College Catalog 2017-2018

BROWARD COLLEGE
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2017-2018
COLLEGE CATALOG

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COLLEGE INFORMATION

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Accreditation

Broward College is accredited by The Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, GA 30033-4097: Telephone Number 404- 679-4500, www.sacs.org) to award Associate and Baccalaureate Degrees

The College is a member of the following organizations:

- American Association of Community Colleges American Association for Higher Education
- American Council on Education
- American Technical Education Association, Inc. Association of Community College Trustees
- Association of Governing Boards
- College Consortium for International Studies College Entrance Examination Board Florida
- Association of Colleges and Universities Florida Association of Community Colleges
- National Association of Foreign Student Affairs Southern Association of Colleges and Schools
- Southern Association of Community and Junior Colleges

Vision, Mission, Core Values, and Philosophy

Vision Statement

Broward College will be a destination for academic excellence, serving students from local communities and beyond. The college will embrace diversity – student, faculty, staff, and business partnerships – and foster a welcoming, affirming, and empowering culture of respect and inclusion. The college will stand at the leading edge of technological and environmentally sound innovation, providing attainable, high-quality educational programs. Broward College will be recognized for its recruitment and retention of diverse, outstanding faculty and staff whose primary focus will be to promote the success of each individual student while supporting lifelong learning for all students. As a model post-secondary institution, the college will connect its students to diverse local and global communities through technical, professional, and academic careers.

Mission Statement

Transforming students' lives and enriching our diverse community through academic excellence, innovation, and meaningful career opportunities.

Core Values

* Academic Excellence and Student Success: Achieving student success through high-quality, learning-centered programs and services while continuously evaluating and improving student learning outcomes that reflect the highest academic standards. This is accomplished by providing flexible educational opportunities accessible to all students, regardless of time or place.

* Diversity and Inclusion: Creating a community that celebrates diversity and cultural awareness while promoting the inclusion of all its members.

* Innovation: Developing and implementing the most emergent technologies and teaching/learning methods and strategies to create learning environments that are flexible and responsive to local, national, and international needs.

* Integrity: Fostering an environment of respect, dignity, and compassion that affirms and empowers all its members while striving for the highest ethical standards and social responsibility.

* Sustainability: Ensuring effective, efficient use of college resources while implementing fiscally sound practices and environmentally sustainable initiatives that can be modeled in collaboration with our community.

* Lifelong Learning: Promoting the educational growth and development of all individuals through a variety of post-secondary professional, technical, and academic programs and services.

Philosophy

As an institution committed to the ideal of the value and dignity of the individual, Broward College recognizes the religious, ethnic, and cultural diversity of its students and staff and endeavors to provide equal educational opportunity for all students. Furthermore, the college fosters the value of lifelong learning as it strives through teaching excellence to enable students to appreciate knowledge and to acquire an education that will assist them in assuming positive roles in a changing society. Believing that educated people should be guided in their behavior by decency and civility, the college values honesty, integrity, and social responsibility among its staff and its students. Furthermore, it aspires to empower students with the critical thinking and problem-solving skills, global perspective, clarified values, and creativity that will enable them to make moral choices and ethical decisions in all aspects of their lives. In addition, the college embraces a commitment to American democratic values and culture, the principles of responsible citizenship, life enrichment, and self-awareness.

History of the College

In 1959, the Florida Legislature authorized creation of the Junior College of Broward County. Proposed location is the former Forman Field in Davie, a training site for World War II Naval aviators. As construction began at the former Forman Field site, the Junior College of Broward County opened its doors to its first class of 701 students in fall of 1960. They attended classes in buildings that were formerly part of Naval Air Station Junior High on the Fort Lauderdale/Hollywood International Airport property. Dr. John Allen, president of the University of South Florida, addressed the college's first graduating class, 73 students, at War Memorial Auditorium on June 10, 1962. Among its members was Paris Nelson Glendening, who went on to serve two terms as Maryland's 59th governor. The Junior College of Broward County's first permanent building was completed in August 1963 when the college officially moved to the Central Campus.

Broward College received its initial regional accreditation by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) in 1965 as an institution offering Level One associate degrees.

Dr. Rushing resigned in 1965 and was succeeded by Dr. Myron Blee, director of the Office for Emergency Planning in Washington, D.C. Dr. Blee was in turn succeeded by Dr. A. Hugh Adams, who assumed his duties as president onApril 15, 1968.

Florida's junior colleges originally were governed by boards of public instruction, who also governed elementary and secondary instruction in each county. In 1968, the same year the JCBC changed its name to Broward Junior College, the Florida Legislature removed the junior colleges from the county school boards' purview and turned the colleges' advisory boards into District Boards of Trustees.

In September 1970, the district board of trustees changed the college's name to Broward Community College, a change that better reflected the comprehensive nature of the college's programs and its role in the community. Also in 1970, the Judson A. Samuels South Campus got its start in temporary headquarters adjacent to Memorial Hospital in Hollywood. North Campus, in Coconut Creek, was dedicated in 1972.

Dr. Adams served as president for 19 years. After he announced his intention to retire on December 31, 1986, the District Board of Trustees renamed the Central Campus the A. Hugh Adams Central Campus in his honor.

Named to succeed Dr. Adams was Dr. Willis Holcombe, executive vice-president at Brevard Community College, and a protégé of Dr. James Wattenbarger, architect of the state community college system. Before going to Brevard, Dr. Holcombe had served at Broward as a professor, executive assistant to President Adams, Central Campus academic dean, and then Central Campus provost. He served as president for 17 years, from 1987 to 2004. He initiated efforts that led to significant growth in enrollment, facility and program expansion. He also was instrumental in creating a variety of innovative partnerships to benefit the college, its students and the community at large. Dr. Holcombe retired in January 2004. On his retirement, he was named President Emeritus. Succeeding him as the college's fifth president was Dr. Larry Anthony Calderon, who served as president through December 2006. Dr. Holcombe returned from retirement to serve as president until the Broward College District Board of Trustees appointed J. David Armstrong, Jr., the former chancellor of the Division of Community Colleges, as its sixth president. President Armstrong began work at the college in July 2007. Dr. Holcombe was appointed chancellor when President Armstrong took over at Broward.

In summer of 2008, the college underwent one further name change, to Broward College, after the college received State Board of Education and legislative approval to begin offering baccalaureate degree programs in teacher education. The College submitted a substantive change to is regional accreditation association SACS and received approval to office level two bachelor degree programs. The College is also approved to offer students Title IV Student Financial Aid funds for all degree levels and eligible certificates. At the same time, the college began offering online associate degree programs in 13 areas.

In 2009, the college received approval by the State Board of Education to offer four additional baccalaureate degree programs. They were: nursing, information management, supervision and management, and technology management.

In October 2010, President Barack Obama announced the creation of the Aspen Prize for Community College Excellence at the White House Summit on Community Colleges. The award, administered by the Aspen Foundation, was created to spotlight a sector of higher education that doesn't receive many accolades. The institute wanted to recognize outstanding academic and workforce outcomes and identify institutions to serve as models to elevate community-college education nationwide.

In April 2011, the institute announced that Broward College was among the top 120 community colleges, representing the top 10 percent in the country.

In 2012, Broward moved a step higher, and was named a finalist for the Aspen Prize — recognition that Broward College is one of the top 10 colleges nationwide.

Supporting the viability, vitality and robust growth of the communities they serve is an important part of the mission of Florida's publicly supported community colleges. With a half century of service to its community, none of the "Great 28" fulfills its mission better than Broward College.

For more information on the history of Broward College, please visit Broward College Archives & Special Collections on the Internet Archive: archive.org/details/browardcollege or libguides.broward.edu/content.php?pid=35492

Equal Opportunity and Inclusive Excellence Policies

As an institution of higher learning, Broward College is dedicated to the inculcation of the highest ideals of citizenship in a free society. The college as an equal opportunity/affirmative action employer complies with all applicable federal and state laws regarding discrimination and affirmative action. Consistent with the American ideals of equality of citizens and the dignity and worth of each person, the college hereby states that equal employment opportunity and advancement, as well as participation in programs and activities, are provided consonant with appropriate laws without regard to race, color, sex, national origin, religion, age, disability, marital status, sexual orientation or other legally protected classifications.

Consistent with Broward College's vision, mission, and core values, Broward College is committed to fostering a welcoming, affirming, and empowering culture of respect and inclusion, empowering and engaging students, faculty, and staff. The College is committed to inclusive excellence, integrating diversity and quality initiatives by infusing

diversity into its organizational processes, structures, and practices. The College affirms its commitment to recruit, support, and retain a diverse student, faculty, and staff community that reflects the diversity of Broward County and recognizes the importance of cultural competency. All members of the faculty, staff, and student body are expected to assist in making this policy a practical reality. The president of the college is empowered to implement this policy through appropriate personnel and by use of effective procedures.

The role of the Executive Director for Human Resources and Equity is to monitor the college's human resource policies and procedures and to ensure compliance with federal and state laws that prohibit discrimination on the basis of race, color, age, national origin, religion, age, disability, marital status, sexual orientation or other legally protected classifications. As the College's equity coordinator, the Executive Director for Human Resources and Equity coordinates compliance with civil rights protections and is the State's designated Equity officer for the College.

Broward College does not discriminate on the basis of race, color, ethnicity, genetic information, national origin, sex, disability, or age in its programs and activities. Inquiries regarding the non-discrimination policies may be directed to: Executive Director, Human Resources, 6400 NW 6th Way, Ft. Lauderdale, Fl. 33309, (954) 201-7502.

Employees, applicants and students are regularly notified of this information and this information is posted in conspicuous locations on all campuses, is provided annually to all employees and students through college publications including, but not limited to, the following: College Newsletter, Salary Schedule, College Catalog, Course Schedule, Student Handbook and the Annual Equity Report.

Any employee, applicant for employment, student, or candidate for admission that has concerns about equitable treatment may contact the college equity coordinator. Students and employees should use college Procedure 3.34 Reporting violations and conducting investigations of complaints alleging discrimination harassment, and/or retaliation.

Policy prohibiting discrimination, harassment and retaliation Broward College recognizes its obligation to work towards a community in which diversity is valued and equal employment opportunities are provided free from discrimination, unlawful harassment and retaliation in accordance with federal, state and local laws.

The equity office in human resources shall investigate complaints of discrimination, harassment, and retaliation according to the college policies and procedures. This authority is delegated from the college president to the executive director for human resources and equity, and carries the obligation to ensure that the college community adheres to the college's policies prohibiting discrimination, harassment, and retaliation.

The college affirms its commitment to ensure that each member of the college community shall be permitted to work in an environment free from any form of discrimination or harassment based upon race, color, sex, national origin, religion, age, disability, marital status, sexual orientation or other legally protected classification. Please see Broward College Policy 3.34 and 3.44 for further details.

District Board of Trustees

The Broward College District Board of Trustees brings together community leaders with diverse backgrounds who provide dedicated leadership to the college and its activities. Florida's governor appoints this group of outstanding local citizens. As the governing board of the college, they are the stewards of BC's commitment to excellence, while they guide the college and implement the goals enumerated in its mission statement. Their desire to provide students with the academic skills needed for transferring to universities, to enhance skills to be competitive in the rapidly changing job market, and to offer opportunities for continuing education, personal growth and enrichment is a challenge they approach with enthusiasm. As a team, these dynamic community leaders are fully engaged in providing a future that offers increased higher education opportunities for Broward County residents.

John A. Benz, Chair

Gloria M. Fernandez, Vice Chair

Dr. Rajendra Gupta

David R. Maymon

Mike Rump

Broward College Foundation

We believe every person who wants to change his or her life through the pursuit of higher education should be afforded that opportunity.

Since its inception in 1971, the Broward College Foundation has transformed lives through education by providing community awareness, advocacy and financial resources to Broward College. The foundation is a 501(c) (3) not-for-profit organization led by a volunteer board of directors composed of business and civic leaders, donors and college representatives. Through their efforts, the foundation raises funds, conducts programs and practices stewardship that provides an affordable, quality education for many students who could not otherwise afford to attend college. The foundation also supports an endowed teaching chair program to reward outstanding professors and to encourage innovation in the classroom.

Board of Directors

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Richard Kip
Clete Siefker
Judy Van Alstyne
Carol Weber-Thomas

Chairman Emeritus
Gene A. Whiddon (deceased)

Scholarships

The Broward College Foundation serves as the conduit of private contributions to the college. Each year the foundation provides more $2 million in scholarship funds to the college through the generosity of individuals, families, foundations, companies, and organizations. Scholarships are available for financially needy students and merit awards are available for students with outstanding academic records.

Scholarship recipients are strongly encouraged to assist the foundation in its fundraising efforts by participating in the stewardship process and crafting well-written letters of appreciation to their donors. This simple act of courtesy means a great deal to our benefactors and encourages additional support.

Endowed Teaching Chairs Program

The Broward College Foundation was the nation's first community college foundation to complete an endowed teaching chair capital campaign to recognize, support and encourage the efforts of outstanding professors in their classrooms. The campaign was initiated to honor the college's 30th anniversary with a goal of 30 chairs. Today the program has 37 chairs, and more than 100 professors have been named recipients.

Meritorious Service Awards

Periodically, Broward College and the Broward College Foundation recognize individuals for their outstanding leadership, service, and philanthropy to the college. The college recognizes their efforts with the following awards:

Distinguished Service Award
Gene A. Whiddon, 1973
James D. Camp, Jr. 1977
Elmer E. Rasmuson, 1977

Seahawk Award
Stephen F. Snyder, 1988
Gene A. Whiddon, 1988*
Robert Elmore, 1989*
Daniel S. Goddrum, 1990*
Richard S. Kip, 1995
William F. Leonard, 1999*

Chairman's Award
Darran Blake, 2008
Joe Charles, 2009
Philip G. McNally, 2011
George Weaver, 2012
Mario Cartaya, 2014

Distinguished Alumni Award

George Platt, 1983
Al Rantel, 1983
Larry Ellis, 1984
Donald Harvey, 1984
Debbie Sanderson, 1984
Teresa Sjogren, 1984
Lt. Col. Thomas Taylor, 1985
Dr. Betty Adkins, 1987
Robert Alexander, 1987
Bonnie Flynn, 1987
Dr. William Greene, 1987
Richard Hanauer, 1987
Stephen McDonald, 1987
James Naugle, 1987
Aldanzo Pratt, 1987
Dr. Timothy Adkins, 1988
Gov. Parris Glendening, 1988
Sandra McCray, 1988
Dr. Imgard Bocchino, 1989*
Dr. William Proctor, 1989
Jasmine Shirley, 1989
Robert Ferrigno, 1990
Evelyn Hardy, 1990
Dr. Betty Brady, 1991
Barbara Jean Ellis, 1991
Dominick Calabro, 1991
Gabriel Grasso, 1991*
Varen Black, 1992
Sheriff Ronald Cochran, 1992*
Donna Wallace, 1992
Deborah Hazleton, 1993
Cynthia Lodge, 1993
Ray Recchi, 1993*
Winifred Warnat, 1993
Dr. Deborah Sloan, 1994
William Milano, 1994
Cherokee Paul McDonald, 1995
Wil Trower, 1995
Dr. Rita Mae Brown, 1996
Terry Glatt, 1996
Dr. Seth Kalichman, 1996
Sharon Robb, 1996
Steven Berrard, 1997
Judge Gary Farmer, 1998
Michael Rudolph, 1999*
Dr. Michael David Bartberger, 2000
Arden Dickey, 2001
Miles McGrane, 2002
Denise M. Nieman, 2003
Louise Crocco, 2004
Charles N. Lyle, 2004*
Patti Barney, 2005
Edwin Moore, 2005
Judge Catalina M. Avalos, 2006
Teresa S. Justice, 2006
Dr. S. Kimara March, 2007
Dr. Theodore J. Wright, 2007
Paul D. Bain, 2008
Jodie Fry, 2008
Max B. Osceola, Jr. 2008
Dr. Susan B. Hassmiller, 2009
Lisa Scott-Founds, 2011
Ignacio Reyes, 2001
Mike Borrone, 2012
Shubert Chang, 2012
Dr. Robert Easton, Jr., 2012
Diana Hunter-Gonzalez, 2012
The Honorable Charles LaMarca, 2012
Michael Nyitray, 2012
David Sirois, 2012
Dr. Deborah Adair
Michelle Alban-Lane, 2013
Kyle Boos, 2013
Marissa Kelley, 2013
Jeffrey Koch, 2013
Matthew Rocco, 2013
Maria Alexandra Sanchez, 2013
Franklin C. Adderly, 2014
Sharry A. Kimmel, Ed.D., 2014
Joshua Lenchus, D.O., 2014
Rick Mijares, 2014
Bob Saxon, 2014
Nancy Tanner, 2014
William Becker, 2015
Bob Birdsong, 2015

Dr. Carl W. Carruthers, Jr., 2015
Paola Mariselli, 2015
David R. Maymon, 2015
Christopher M. Neilson, 2015
Cynthia Thuma, 2015
Jennifer Troppello Hamilton, 2015

Amos Ford, 2016
Michael S. Long, 2016
Taren Ruggiero, 2016
Scott Russell, 2016
Kingman D. Schuldt, 2016
Cheryl-Dene Spring, 2016

*Deceased

A Focus on Critical Thinking

In 2011, Broward College selected and developed its first Quality Enhancement Plan (QEP) to improve student learning; subsequently, critical thinking was selected as the QEP topic. The QEP is titled Question Every Possibility—Think Critically. Broward College defines critical thinking as a process of evaluating information by questioning and testing assumptions, accepting or rejecting arguments and/or perspectives, and applying reasoning to make informed decisions.

The topic of critical thinking emerged as a result of broad-based input from College stakeholders combined with institutional data from the College's general education outcomes assessment process and data from the Community College Survey of Student Engagement (CCSSE) and the Community College Faculty Survey of Student Engagement (CCFSSE).

The conceptual framework of Question Every Possibility—Think Critically incorporates teaching and learning strategies, professional development and training, and outcomes-based assessment to improve students' critical thinking skills while positively impacting students' problem solving skills. The goals and outcomes of the QEP support the College's mission to produce informed and creative students capable of contributing to a knowledge-and service-based global society. The QEP has two overarching goals supported by student learning outcomes and operational outcomes.

Goals and Outcomes:

Goal 1: The QEP will enhance students' critical thinking skills. Students will be able to:
1.1. Explain questions, problems, and/or issues.
1.2. Analyze and interpret relevant information.
1.3. Evaluate information to determine potential conclusions.
1.4. Generate a well-reasoned conclusion.

Goal 2: The QEP will enhance pedagogical practices that focus on critical thinking. Faculty will:
2.1. Participate in targeted professional development and training.
2.2. Develop in-house training modules on critical thinking.
2.3. Incorporate teaching and learning strategies that focus on critical thinking skills.
2.4. Produce a portfolio with revised syllabi and assignments that emphasize critical thinking.

The outcomes for each goal will be assessed through multiple direct and indirect measures and then triangulated to determine the success of the QEP. Successful implementation of the QEP will be mutually beneficial for students, faculty, and other College stakeholders engaged in the project.

STUDENT SERVICES

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Academic Advisement and Educational Planning

Academic Advisors and Counselors are available on each campus and center to instruct and counsel all new, returning, and continuing students in the following areas:

- Career and educational planning;
- Choosing appropriate courses for desired major;
- Utilizing self-advising resources/tools such as the interactive degree audit on myBC;
- Coaching on strategies that promote academic success such as: study skills, time management, test anxiety, decision-making, and communication skills;
- Preparation for university transfer or the workforce.

First-Time-In-College Students

All first-time-in-college students enrolling at Broward College are required to complete a New Student Orientation session prior to their first semester. Within the session, students will initiate the career exploration process as it relates to their intended pathway and finalize class registration for their first term. Students who have successfully completed a New Student Orientation session are expected to attend First Flight and register for SLS 1501 First Year Seminar prior to their first day of class. These events provide students with important information about critical resources at the College and various student success initiatives that will aid them in meeting their educational and career goals.

New Transfer Students

New transfer students are required to schedule an appointment with an advisor upon being admitted in order to receive an unofficial evaluation of transfer credits. Unofficial transcripts may be used for the unofficial evaluation but cannot be used to satisfy admission or financial aid transcript requirements.

Educational Planning

A key factor in student success is having a sound educational plan to guide decisions about what courses to take and when. With an educational plan, students will know when degree requirements for graduation will be complete. Academic Advisors and Counselors are available to assist students with the development of an educational plan based upon personal and career goals, test scores, previous high school and college course work, and current lifestyles. All students are required to have an educational plan prior to the end of their second enrolled semester.

Excess Credit Hours

Florida law F.S. 1009.286 requires colleges to encourage students, who intend to enroll in a state university, to complete their respective degree program with only credit that can be applied to their degree program of study to avoid excess hours. Effective July 1, 2009 and amended 2011, state universities shall require a student to pay an excess hour surcharge equal to out of state tuition rates for each credit hour in excess of 115 percent of the number of credit hours required to complete the baccalaureate degree program. The law also provides for exceptions to this extra fee if the credit hours were earned under certain circumstances and are not calculated as hours required to earn a baccalaureate degree. Review 1009.286F.S for more detailed information. The statute is available online at www.flsenate.gov.

For further information and support, students may contact our Advisors and Counselors:

A. Hugh Adams Central Campus	954-201-6528
North Campus	954-201-2305
Judson A. Samuels South Campus	954-201-8875
Online Campus	954-201-7900

Pines Center	954-201-3601
Miramar West Center	954-201-8448
Weston Center	954-201-8501
Willis Holcombe Center	954-201-7491

Academic Success Centers

The Academic Success Centers (ASC) at Broward College are here to ensure your success as you pursue your academic goals. You will benefit from an array of academic support services provided in a comfortable, collaborative atmosphere specifically designed to advance your academic achievement. Data shows that students who use the ASC early and often are more successful than those who do not. Here are just some of the services provided at the ASC:

- Academic Support Labs (STEM Centers, Math Labs, Writing Centers)
- Collaborative Project Spaces
- Graphing Calculator
- Open Computer Centers (Internet and printing)
- Study Groups
- Textbook Reserves
- Tutoring by Certified Tutors (All subject areas)
- Online Tutoring 24/7 with brainfuse. Log-in through myBC

BC Student ID Cards validated for the current term are required at each BC ASC location. For specific information on campus Academic Success Centers visit: www.broward.edu/studentresources/lrc/Pages/default.aspx

ASC Locations

A Hugh Adams Central Campus
Bldg. 17, 2nd Floor
954-201-6660

North Campus
Bldg. 62, Room 115
954-201-2260

Judson A. Samuels South Campus
Bldg. 72, 1st and 2nd Floor
954-201-8909

Willis Holcombe Center
Bldg. 33, Room 430
954-201-7595

Pines Center
1st Floor,
Room 111
954-201-3619

Miramar West Center
Bldg. 3101, Room 130
954-201-8462

Tutoring

Free tutoring services from highly qualified and certified tutors are available in nearly all subject areas at the Academic Success Centers. Students seeking tutoring should contact the ASC on each campus or center for specific tutoring details.

Discipline Support Centers/Labs

Within each Academic Success Center, discipline support centers/labs enhance student learning in specific subject areas. Each campus/center has a discipline support center/lab for English (Writing) /English as Second Language, Mathematics, Modern Foreign Languages, Reading, Science/STEM Centers (including Anatomy and Physiology labs), and Open Computer Center

24/7 Online Tutoring for BC Students

College students now have 24/7 online tutoring access! Brainfuse provides real time online tutoring and homework help for core courses and skills up to 24 hours a day, seven days a week. There are two ways to access online tutoring help. One is to log on to myBC at the Broward College homepage and click on the Brainfuse.com link. The other way to access online tutoring is to log on to our learning management system, D2L, select a course, and select Brainfuse from the drop down menu titled "resources." A step-by-Step Brainfuse Student Handbook guide is available for students on Brainfuse "My Home Page" in "My File Cabinet" in the information scrolling box. If assistance is needed with accessing a Brainfuse account, please visit the Academic Success Center on any campus.

Classroom Support

Another function of the Academic Success Centers is to support quality instruction by providing multimedia support to the campus faculty. Each campus maintains an extensive library of video and other instructional multimedia resources to enhance classroom instruction. Specific information regarding instructional multimedia support for the use of classroom materials and equipment may be obtained by contacting the campus Academic Success Centers.

A. Hugh Adams Central Campus Building 17	954 - 201-6660
North Campus Building 62	954 - 201-2260
Judson A. Samuels South Campus Building 72	954 - 201-8909
Pines Center Building 101	954 - 201-7595
Willis Holcombe Center HEC Rm. 430	954 - 201-7595

Bookstore

Broward College's bookstores are operated by Barnes & Noble College Booksellers. The bookstores offer a complete line of textbooks, new, used, eBooks, rental, selection of trade, and reference books. The bookstores carry an extensive assortment of educational supplies and gift items. Services also include special orders for books, software not normally carried as basic stock, and buyback of used college books. Prices are established according to the national standard typically found at other colleges and universities.

The bookstore accepts Visa, MasterCard, Amex and Discover credit cards. You can order your course materials online at: broward.bncollege.com Bookstore hours of operations are posted on our website at: www.broward.edu/studentresources/bookstore

A. Hugh Adams Central Campus Bookstore Bldg. 19, Rm. 115	954-201-6830
North Campus Bookstore Bldg. 46, Rm. 125	954-201-2224
Judson A. Samuels South Campus Bookstore Bldg. 67	954-201-8805
Miramar West Center Bookstore Bldg. 3103, Rm. 133	954-437-7888

Campus Safety

The College Campus Safety phone number is *954-201-HELP (4357)*.

The Campus Safety Department is available 24 hours a day, 7 days a week. All Broward College Campus Safety Officers possess a Class D license issued by the State of Florida and/or an active law enforcement certification, and are certified CPR/AED responders. Their duty is to assist students, faculty, staff, and visitors; conduct patrols of their assigned areas; respond to incidents on Broward College property, provide traffic control and direction; enforce parking rules and regulations; assist in building evacuations; manage lost and found property; and identify individuals on college property to determine whether they have lawful business at Broward College.

Broward College maintains a highly professional, cooperative, and contractual working relationship with those law enforcement agencies having police jurisdiction on our campuses and learning centers. Campus Safety refers incidents of a criminal nature occurring on Broward College campuses and centers to the law enforcement agency having jurisdiction.

Students, faculty, staff, and visitors should immediately call 911 to report police, fire, and medical emergencies. To report criminal activity and activity of a suspicious nature that occur at any of Broward College's campuses and learning centers, students, faculty, and staff are encouraged to contact the Camus Safety Department at 954-201-HELP (4357). There are also emergency call boxes and Blue Light emergency phones located on our campuses.

Visit the Campus Safety website at www.broward.edu/safety to access the Annual Security Report, active shooter information, safety policy information, the College's Severe Weather Plan, helpful brochures and pamphlets, and much more. In addition to the College's Annual Security Report, each Campus Safety office also maintains a daily incident log with up-to-date crime information, which is available upon request.

The Annual Security Report

Originally known as the Campus Security Act, the Jeanne Clery Disclosure of Campus Security Policy and Statistics Act (20 U.S.C. Section 1092(f)) is a federal law that requires many colleges and universities, such as Broward College, to disclose information on crime. The Clery Act requires colleges and universities to:

- Publish an annual report every year by October 1 that contains the crime statistics for three years and certain campus security policy and statements.
- Disclose crime statistics for the campus, public areas immediately adjacent to or running through the campus, and certain non-campus facilities. The statistics gathered must represent those from campus safety, contracted security and law enforcement, local law enforcement, and campus security authorities.
- Provide "timely warning" notices of crimes that meet specific guidelines and have occurred and pose an ongoing threat to students, faculty, and staff.
- Implement an emergency notification procedures to be utilized if there is an immediate threat to the

health or safety of the students, faculty, and staff.
- Make available a public crime log that contains any crime that has occurred on campus and is reported to the campus safety department.

In accordance with *Title II of the Student Right to Know and Campus Security Act of 1990*, Broward College holds that students, faculty, staff, and visitors have a right to be aware of the amount of criminal activity that occurs on its campus. Broward College encourages all persons to report criminal activity that occurs on campus to Campus Safety and/or the appropriate law enforcement agency.

Campus Security Authorities (CSAs)/ Responsible Employees

For those who would prefer to report a specific incident or crime to someone other than Campus Safety or local law enforcement officers, Broward College has designated certain members of its faculty and staff to serve as Campus Security Authorities (CSAs). Persons designated by the College as CSAs include: Academic Deans and Associate Deans, Campus Life Directors and Administrators, The Athletic Director and Assistant Director, Athletic Coaches and Assistant Coaches, Faculty Advisors to student groups/clubs, and Student Affairs Officials. All CSAs receive training and directives in accordance to their participation within the program and are capable of responding to your report. For the purpose of Clery Act reporting, all crimes reported to a CSA are forwarded to Campus Safety for inclusion in the Annual Security Report.

As a result of the negotiated rulemaking process, which followed the signing into law of the 1998 amendment to 20 U.S.C. Section 1092 (f), clarification was given to those considered to be Campus Security Authorities (CSAs). Pastoral and professional counselors acting in the scope of their professional license are not considered to be CSAs and are not required to report crimes for inclusion into Broward College's annual disclosure of crime statistics. Professionally licensed counselors can only encourage persons to report crimes to the appropriate authorities. Academic counselors employed at Broward College are not considered professional counselors and are not bound to confidentiality under the Clery Act. Broward College does not employ mental health counselors but instead has a partnership with Henderson Mental Health Services to provide services to students in need.

Career Centers

Career planning is available to all students and alumni of Broward College. A variety of services are available to assist students with setting their career goals and preparing for employment. Many services are available online or you can make an appointment for career counseling.

Services include:

- Career assessment and exploration
- Information on full and part-time positions
- Resumes and cover letters information
- Interest and personality assessments
- Interviewing and job search strategies
- Internships
- Career counseling and educational planning

Defining yourself is one of the first steps for career exploration:

1. Take self-assessments that will generate a list of prospective occupations that match your preferred work activities, interests, personality preferences, values, skills and life goals. Go to www.broward.edu, click on Student Resources, click on Career Center Network, and then click on self-assessment. Click on FOCUS and use the access code WOLF to get started.
2. Use computerized career information systems like Career Coach (www.broward.edu/careercoach) and print materials to evaluate various careers, working conditions, salary levels, and employment outlook. Research career options that match your major.
3. Make an appointment for individual career advising and/or job-seeking assistance.

4. Access online University transfer information to ensure a smooth academic transition to the University.
5. Access national educational directories and career libraries.
6. Employment services are available to all students and alumni of Broward College.
7. Employment services and job readiness skills
8. Access full or part-time job listings and internships on our online job database at www.broward.edu/ccn
9. Access student work-study jobs online at www.broward.edu/financialaid/Pages/Work-Study-Jobs.aspx

10. Learn about on-campus employer recruitment events such as on campus visits and job fairs.
11. Obtain assistance with resume, cover letters, interviewing skills by attending a workshop and registering with the online database at www.broward.edu/ccn.

A student may visit a self-service campus Career Service Center at the campus location of his/her choice.

Central Campus, Building 19, Room 117	954-201-6612
North Campus, Building 46, Room 126	954-201-2355
South Campus, Building 68, Room 100	954-201-8865

Dining Services and Vending Services

Broward College Dining and Vending Services are contracted by the college and function as a service to the students, faculty, staff and administration by providing healthy dining options for the college community.
The College Dining Services offers many option such as; snacks and beverages, coffee and breakfast items, hot and cold sandwiches, soups and salads, pasta and daily chef specials, grilled chicken with rice and beans. The College Dining Services also provides catering services to Broward College. A complete list of menu items, including prices, hours of operation and catering guide are available by visiting the Dining Services web site at: http://www.broward.edu/studentresources/dining/Pages/default.aspx Dining Services accepts cash and credit cards.

The College Vending Services also has many vending machines located throughout the campuses and centers. The vending machines contain snacks and beverages.

Please note the following locations for food services:

A. Hugh Adams Central Campus Central Campus Dining Bldg. 19, Rm. 110	954-201-6459
Central Campus Library Café (Dunkin Donuts) Bldg. 17, Rm. 130	954-201-6423
North Campus North Campus Dining Bldg. 46, Rm. 115	954-201-2042
Judson A. Samuels South Campus South Campus Dining Bldg. 68-C, Rm. 172	954-201-8335
Miramar West Miramar West Center Café (Subway)	954-201-8480

Disability Services

Broward College complies with all relevant laws enacted at every level of government to provide access to students with disabilities. Students with documented disabilities are assured participation in all College activities and services. However, disclosure of a disability is voluntary and students cannot receive support services/accommodations unless

he/she provides current documentation of his/her disability and registers with the Office of Disability Services (ODS) on his/her campus. The student will then be provided with the appropriate support services/accommodations based on his/her individual needs and College policy. Some of the services available are adaptive technology, specialized testing, sign language interpreters, communication access real-time, readers, scribes, and note takers. For further information, please contact the Disability Office on your campus:

North	Bldg. 46, Rm. 209	954-201-2313
Central	Bldg. 19, Rm. 116	954-201-6527
South Downtown	Bldg. 68, Rm. 263	954-201-8913
Center Deaf	Bldg. 33, Rm. 109	954-201-7517
Services	Bldg. 19, Rm. 116	954-201-6766
	Video Phone	954-635-5850/954-607-3942

Enrollment Services

Admissions Information

The Board of Trustees establishes Admission Policies at Broward College (BC) aligned to State Statute 1007.263 and accompanying Board Rules. Broward College gives all students the opportunity to pursue an education beyond high school.

Broward College complies with all relevant laws enacted at every level of government to provide access to students with disabilities. Students with documented disabilities are assured participation in all College activities and services. However, disclosure of a disability is voluntary and students cannot receive support services/accommodations unless he/she provides current documentation of his/her disability and registers with the Office of Disability Services (ODS) on his/her campus. The student will then be provided with the appropriate support services/accommodations based on his/her individual needs and College policy.

High school graduates with a standard high school diploma, a General Equivalency Diploma (GED), accepted Certificate of Completion (see specific Florida high school acceptable withdrawal codes in this section), and applicants who completed the requirements for home education may apply for admission to the College. Students without a standard high school diploma or GED may be admitted to specific vocational certificate programs.

Broward College has developed guidelines to determine the validity of high school diplomas in compliance with Federal Title IV Regulations. Student Financial Aid has developed minimum standards outlined in College Policy 5.1 and the accompanying procedure. All students are required to complete the requirements and procedures outlined for admission.

Pursuant to the College's Admissions policy 5.01, students who attended U.S. colleges and universities and fail to submit complete transcripts from those institutions will be sanctioned and disciplined per the Student Code of Conduct when the falsification is discovered. Students could face permanent expulsion. Additionally, students who falsify their residency or citizenship status upon admission or re- admission may be denied admission or dismissed permanently at the point the misrepresentation is discovered by the College. If a student has attended another Florida state institution within the last 12 months while not enrolled at BC, and that institution declared the student a Florida Resident for Tuition Purposes, their residency status will be honored upon entry or re-entry. An official and complete electronic transcript showing no work in progress must be submitted to BC from all colleges and universities attended while not enrolled at BC. Any monies owed to the College must be paid in full.

AdmissionsDefinitions

Degree Seeking Students

Students who intend to complete a degree, must have a standard high school diploma with an eligible high school diploma type; a GED; or must be home education graduates who completed requirements in accordance with Florida Statutes.

To be admitted as degree seeking, all students must submit official complete transcripts from high school and all colleges attended beyond high school prior to enrollment. Placement determination is also required prior to enrollment.

Degree Seeking Students High School Graduates with Non-Standard Diplomas

Eligible Florida High School Graduation Codes are noted in Florida Statue. Some of these diplomas allow students to admit and seek degree-seeking programs of study. Students who hold these diplomas can admit as a degree-seeking student.

Note: No Federal student aid can be awarded to a student who does not hold a valid high school diploma recognized by the issuing state as eligible for Federal student financial aid. Students who earn certificates of completion may enter Broward College, and State need-based aid and institutional aid can be awarded upon initial enrollment.
Students may apply for Federal student aid once they have earned 24 college level credits.

Non-Degree Seeking Students

Students who wish to take college credit or vocational credit courses for personal enrichment or career exploration, and who do not intend to seek a degree or a certificate, will be admitted as non-degree seeking students.

Degree or non-degree seeking students with Earned Degrees

Students with earned Bachelor degrees can apply and enroll in degree or non-degree seeking programs. Federal Pell is not available to students with earned bachelor degrees. However, students should complete the FAFSA for student loans eligibility.

Students holding earned AA degrees cannot earn another AA degree

Students with earned AA, AS or AAS degrees can earn other associate in science degrees. There are limits on the number of Pell semesters for a bachelor degree. As such, students are encouraged to progress to the next level rather than earning multiple degrees at the same level. Students should meet with academic and financial aid advisors to understand the impact on their Federal student financial aid when pursuing degrees at the same level.

Bachelor Students

Broward College offers bachelor degree programs in various workforce demand areas. You may be eligible to apply for admission to one of the following bachelor degree programs upon completion of an Associate of Arts (AA), an Associate of Science (AS), or 60 applicable college-level credits.

Applicants to Bachelor programs must first apply and be accepted by Broward College as a degree-seeking student ($35.00 application fee required or $75.00 for International applicants).

In addition, the bachelor student must meet admission requirements for the Bachelor program for which they are applying. A supplemental application is also required. The supplemental application for each bachelor program is available on the Broward College website at ***www.broward.edu/admissions/Pages/BachelorProgram.aspx***

Bachelor of Applied Science - Admission Requirements

The Bachelor of Applied Science (BAS) is an open access program designed for the adult learner who has earned a two year technical degree and wishes to advance professionally. Broward College offers four BAS programs: Supervision

and Management, Technology Management, Information Technology, and Supply Chain Management.

General admission to Broward College is required, and students will submit a supplemental application to the program. Applicants for the BAS program should have completed a minimum of 15 semester hours of general education requirements as part of their AS or AAS degree. The remaining general education semester hours (totaling 36) will be completed during the Bachelor of Applied Science degree program. Students will meet all of the State of Florida Bachelor of Applied Science general education requirements to be awarded the Bachelor of Applied Science (BAS) degree in Supervision and Management. Students with an Associate in Arts degree (AA) or 60 college credits may be admitted to the program upon recommendation of the Dean Bachelor of Applied Science, and Dean for Student Affairs.

Applicants are required to have a cumulative grade point average (GPA) of 2.0 on a 4.0 scale in all post-secondary coursework. Applicants must be in good academic standing at the last institution they attended. Broward College will automatically access the transcripts of previous or current students applying to the BAS program. As part of the admission process students are required to complete an educational plan; please access the website for more specific procedural information regarding the assistance that will be provided through a personal advisor or counselor in developing the student's educational success plan.

Students currently attending Broward College who wish to apply for the BAS program are required to complete the supplemental program application.

Graduates or returning Broward College students who wish to apply for the BAS program are required to complete the re-entry application and the supplemental program application.

New students to Broward College must complete the Broward College admissions application, and complete the supplemental application for the BAS program.

International students must first be admitted into Broward College. They are also required to complete the BAS program supplemental application. Please refer to the international admission requirements listed in the online Broward College catalog at ***www.broward.edu***.

Transfer students must submit a general admission application and complete the supplemental application for the BAS program.

Bachelor of Science in Education - Admission Requirements

The Bachelor of Science in Education uses a 2+2 model requiring the completion of an Associate of Arts Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university for entry into the program. Broward College offers five Bachelor of Science in Education Programs: Exceptional Student Education with a Reading and ESOL Endorsement, Middle Grades General Science, Secondary Biology, Middle Grades Mathematics, and Secondary Mathematics.

Applicants must meet the following requirements:

The completion of an Associate of Arts Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university and these credits must include 36 hours of General Education requirements.
Grade point average: A cumulative grade point average of 2.5 on a 4.0 scale in all general education coursework.
Letter of recommendation: Student must submit a letter from someone who knows them professionally, educationally or personally.
Transcripts: Student must submit official transcripts from every post-secondary institution added.
Academic requirements: Student should be in good academic standing at their last attended institution and have completed the following prerequisite courses:

EDF1005	Introduction to the Teaching Profession
EDF2085	Introduction to Diversity and Exceptionalities for Educators
EME2040	Introduction to Education Technology

NOTE: Students must have earned a grade of "C" or better. The math and science programs require additional prerequisites. Please refer to program sheets for specific prerequisite course requirements.
Foreign language requirements: Two years of sequential foreign language studies from high school or eight semester credit hours at the college level are required.

Student must pass the General Knowledge Exam (GKE) or College Level Academic Skills Test (CLAST): Student

MUST pass the essay portion of the GKE to enroll. All parts of the GKE must be successfully completed by the 15th credit in order to be fully admitted to the program. If the student passed the CLAST prior to July 1, 2002, they may be exempt from the GKE.

Students must meet all admission requirements before acceptance into the program. In addition to the required upper-division coursework, students must pass the Florida Teacher Certification Exams in order to successfully complete the bachelor's program.

Bachelor of Science in Environmental Science - Admission Requirements

The Bachelor of Science (BS) in environmental science is designed for students that wish to pursue a career as a laboratory/field technician and/or progress to a graduate degree program (MS or PhD). The curriculum provides the students with a foundational understanding of science, critical thinking skills, experiential learning, ethics and specific technical knowledge and skills required to work in the laboratory or the field. The program has two tracks – Biosecurity and Physical Science.

The Biosecurity track focuses on ecology, entomology, plant science, genetics and other aspects of environmental science. An optional Advanced Technical Certificate in Geographic Information Systems (GIS) provides additional discipline skills and knowledge that will make them competitive for employment within the environmental and biological science workforce.

The Physical Science track focuses on geology, hydrogeology, oceanography, and other aspects of environmental science. An optional Advanced Technical Certificate in Geographic Information Systems (GIS) provides additional discipline skills and knowledge that will make them competitive for employment within the environmental and physical science workforce.

Applicants must meet the following requirements:

The completion of an Associate of Arts degree, an Associate of Science degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university and these credits must include 36 hours of General Education requirements.
Grade point average: A cumulative grade point average of 2.5 on a 4.0 scale in all general education coursework.
Letter of recommendation: Student must submit a letter from someone who knows them professionally, educationally or personally.
Transcripts: Student must submit official transcripts from every post-secondary institution added.
Academic requirements: Student should be in good academic standing at their last attended institution and have completed the following prerequisite courses with a "C" or better:

Biosecurity Prerequisites

BSC2010	Introduction to Biology I
BSC2010L	Introduction to Biology I Lab
CHM1045	General Chemistry (or CHM1032 or CHM1025)
CHM1045L	General Chemistry Lab (or CHM1032L or CHM1025L)
BSC2011	Introduction to Biology II (or ZOO2010, BOT2010, MCB2010 or ORH2527)
STA2023	Statistics

Physical Science Prerequisites

BSC2010	Introduction to Biology I
BSC2010L	Introduction to Biology I Lab
CHM1045	General Chemistry (or CHM1032 or CHM1025)
CHM1045L	General Chemistry Lab (or CHM1032L or CHM1025L)
GLY1010	Geology
GLY1010L	Geology Lab
STA2023	Statistics

Foreign language requirements: Two years of sequential foreign language studies from high school or eight semester credit hours at the college level are required.

Bachelor of Science in Nursing - Admission Requirements

The RN-BSN Program is designed for Florida licensed registered nurses who have earned a two-year associate of science degree and wish to advance professionally. Applicants must complete the following requirements prior to formal admission into the RN-BSN Program:

Submit a supplemental application to the RN-BSN Program by the deadline: for winter admission, the deadline is August 30, and for fall admission the deadline is April 30th of every year.
Possess an Associate of Science in Nursing degree or higher from an accredited institution recognized by Broward College.
Possess an unrestricted and unencumbered active license as a registered nurse in Florida if enrolling in face-to-face classes, Applicants who do not hold an active Florida Registered Nurse license should contact - The Florida Board of Nursing at: (850) 245 - 4125.
Apply for Financial Aid before the published deadlines on the Student Financial Aid webpage.
Achieve a minimum 2.5 overall cumulative and a 2.5 nursing GPA.
Successfully complete required health forms.
Successfully complete a (level 2) background investigation and drug screening (fee required).
Successfully completed statistics (STA 2023) or equivalent course recognized by Broward College.
Successfully completed a minimum of 24 General Education requirement credits.

Transfer Students

Transfer students are students who have previously attended another college or university and wish to continue their education at BC. Transfer students must follow all the admission procedures indicated in this section of the catalog. Transfer students should also observe the following requirements: Students who have fewer than 24 credits at the college level must submit official electronic transcripts from their high school and all colleges and universities attended.

Students who are not in good academic standing (on suspension or dismissal) must petition the admission status upon application for admission to BC. Students who have attended a college/university outside the United States are required to provide a course by course commercial translation and evaluation with upper and lower level course identification for all course work completed. Requested documents must be presented prior to registration for the student's first term of enrollment. Students whose transcripts are not on file at the college will be blocked from registering for their first term of entry/re-entry.

Vocational Certificate/Applied Technology Diploma Applicants

Requirements for applicants who intend to complete a Vocational Certificate, Technical Certificate or Applied Technology Diploma from program to program. Specific requirements for certificate and applied technology programs are in the academic section of this catalog.

Documents that may be required include:

- High school diploma or GED
- Transcripts from all colleges/vocational centers previously attended
- Placement test scores (TABE or PERT)

Non High School graduates may enroll as a non-degree seeking student in a limited selection of postsecondary adult vocational courses or continuing education courses. Such applicants may not be admitted to college credit programs. These applicants are encouraged to meet with an academic advisor prior to starting the application process at the College.

International Students (F-1 and M1 Student Visa status) Admissions Procedures

Students must contact the International Student Admissions Office three to six months in advance to obtain an Admissions Packet specifically for F-1 and M1 applicants. The packet contains the required admission procedures to Broward College. F1 and M1 applicant must submit all required documents for admissions by the deadline shown in the packet.

NOTE: All international students must be enrolled in a degree seeking program as a full-time student (12 credit hours or more). See the International Students section of this catalog for additional international admission

information.

Non-Eligible High School Diplomas Holders with Earned College Credit Students who were eligible to dual enroll while attending high school and hold a non-eligible high school diploma that does not qualify for admission to Broward College, may be eligible for admission IF they earned 12 credits as a dual enrolled student at a regionally accredited postsecondary institution with a C or better in each course. Students who earned a non-eligible diploma and earned less than 12 college credits may enroll as a non-degree seeking student until 12 college credits are earned and then apply for admission to Broward College. No student aid is available.

Transient students

Students who are enrolled at another college or university and want to take courses at Broward College. (Financial aid can only be processed by the home institution.) Students who take courses at Broward College will need to pay for those courses at the transient institution, without financial aid, and will be reimbursed when aid is disbursed at their home institution.

Dual Enrolled Students

Students who wish to enroll in the dual enrollment program must first meet with their high school guidance counselor to determine eligibility for the program. Eligible students must do the following to enroll:

1. Work with the high school guidance counselor to complete a Dual Enrollment Recommendation form. The form must be signed by the high school guidance counselor and the principal/designee.
2. Complete a BC online application.

The high school guidance counselor will submit the required documentation related to GPA verification and college level test scores to the college for review by the established deadline. Please visit the Dual Enrollment website for complete program guidelines and expectations – www.broward.edu/dual.

NOTE: Please reference the Credit for Prior Learning section for details on student eligibility requirements.

Admissions Process

To gain admission to BC all students must complete the following steps:

Complete an online application for admission.
Log onto www.broward.edu. If a student has a Social Security Number (SSN) or a Taxpayer Identification Number (TIN), federal law requires that it is furnished to Broward College (BC) so that it may be included on all documents filed by the institution with the Internal Revenue Service. Students who fail to furnish BC with the correct SSN or TIN may be subject to an IRS penalty of $50 unless the failure is due to reasonable cause and not to willful neglect.

Readmission Process

Students who have prior enrollment history at the College and have not attended BC for one academic year, and are in good academic standing, must submit a Re-Entry Application to update personal information.

Pay application fee

All new students must pay the one-time, non-refundable application fee of $35.00 (for U.S. citizens and permanent resident aliens) or $75.00 (for International Students). Transient students are not charged an application fee, but are charged a transient fee not to exceed $5 per course enrolled. This is a processing fee and will not be refunded if the student does not enroll. Students who have submitted their FAFSA and are eligible for Federal Student aid can request their application fee payment is deferred and paid once aid is awarded. The application fee is payable through any of the following methods.

- Online with a credit card at www.broward.edu
- By mail with a check or money order to the North Campus Cashier's Office 1000 Coconut Creek Blvd, Coconut Creek, FL 33066. Checks or money orders for payment of the application fee must be made payable to Broward College in U.S. ($) dollars and drawn on a U.S. bank. Payments in non-U.S. funds or drawn on non-U.S. banks will be returned unprocessed. Counter (starter) checks are not accepted.
- In-person with cash, check, money order, debit card, or credit card at a campus Cashier's Office. The authorized user must be present for credit card and debit card payments. Checks may be converted to ACH transactions.
- Deferred payment with Aid is done on a case-by-case basis at each campus registration office.

Determine Your Tuition Rate

As a State institution, there are two tuition rates: one for residents of the State of Florida and one for non-residents. Every applicant for admission must submit and complete the Residency Affidavit for Florida Tuition Purposes as a statement of his or her length of residence in the state. Students are coded out-of-state upon entry until they meet this statutory requirement and submit the required affidavit attesting to their length of residency in the state or supporting documentation to determine their residency for tuition purposes.

All residency documentation must be reviewed and validated before residency for tuition purposes can be established. Students who are unable to provide sufficient and acceptable documentation to provide residency their initial classification will remain coded as non-resident for tuition purposes and will be charged out-of-state tuition rates. Any changes to students' initial residency determination must be made prior to the first day of classes for the semester enrolled. Thereafter, any residency status changes during enrollment, students must request that their residency is reclassified, which will impact all subsequent enrollment periods. Documentation to support residency reclassification must be submitted to any campus or center admissions offices. Students who fail to submit documentation and still want to register for classes, tuition will be charged at the out-of-state rate. See tuition rates in the fee section of the catalog.

The Residency Affidavit may be obtained from the BC website at www.broward.edu/admissions/Documents/residency.pdf
NOTE: Initial residency can generally be proven by providing two (2) of the documents listed above as acceptable. However, residency reclassification requires three (3) acceptable documents.

Residency for Tuition Purposes and Florida Statute

In determining a Florida resident for tuition purposes, the burden of proof rests with the applicant.
A Florida resident, or if a dependent child, his/her parent(s), must have established and maintained a legal residence in the state for at least 12 consecutive months immediately prior to the first day of classes. The applicant must provide clear and convincing documentary evidence that his/her length of residence, or if a dependent child, his/her parent(s) length of residence, was for the purpose of maintaining a bona fide domicile and not for the purpose of maintaining a temporary residence for tuition purposes. Each student is required to provide a statement of residency through the submission of a Florida Resident for Tuition Purposes Affidavit.

A dependent child whose parents are divorced or separated may qualify as a resident for tuition purposes if either parent is a legal resident of Florida regardless of which parent claims the child as a dependent for federal income tax purposes.

A dependent child living with an adult relative other than his/her parent(s) may qualify as a Florida resident for tuition purposes if the adult relative has maintained a legal residence in the State of Florida for 12 consecutive months immediately prior to the student's first day of classes. The dependent child must have lived with the relative for five consecutive years immediately preceding the term in which residency classification is being requested and claimed by that relative as a "dependent" under the Federal Income Tax Codes.

If a student has attended another Florida state institution within the last 12 months while not enrolled at BC, and that institution declared the student a Florida Resident for Tuition Purposes, their residency status will be honored upon entry or re-entry. An official and complete electronic transcript showing no work in progress must be submitted to BC from all colleges and universities attended while not enrolled at BC.

Reclassification

Any student who seeks reclassification as a Florida resident must complete and submit a Residency Affidavit obtained online at www.broward.edu/admissions/Documents/residency.pdf. At least three supporting documents must be submitted with the Appeal for reclassification prior to the first day of classes for the term in which reclassification is sought. All Florida Residency Appeals will be reviewed by the Florida Residency Appeal Committee and a decision provided to the student in writing. The Committee's decision is final.

Residency requirements are determined by the State Legislators and are subject to change.

Submit Academic Transcripts, if degree seeking.

Submit ALL Official Secondary and Postsecondary Transcripts: Request high school and other College transcripts for all colleges and universities attended, showing no coursework in progress. Submit electronic transcripts prior to the start of classes, or official paper copies to:

Broward College
Registrar's Office
4205 Bonaventure Blvd.
Weston, FL 33332

All official transcripts are required prior to the start of classes; financial aid will not award until all required transcripts have been received. Unofficial transcripts can be used for advisement prior to the start, but cannot be accepted for admission or in any decision relating to exceptions to College policy (Academic Standards Petitions).

NOTE: Students, who have earned 24 credit hours of Broward credit through dual enrollment or transfer credits from other colleges and universities, may present their official college transcripts in lieu of high school records unless requesting financial aid. Students who receive Federal student aid at other institutions should understand and very carefully consider that the College has access to information relative to prior institutions attended where aid was awarded. Students should not abstain from submitting prior records when seeking admission to Broward College.

Official Non-U.S. Transcripts

Students who attended a university outside the United States and want consideration of prior course work for credit and course equivalency must submit their documents to a commercial evaluation service, with upper and lower level course identification and translation to English. Students who hold F1 or M1 Visas should refer to the International Students section of this catalog for additional information.

Students residing in the U.S. with prior coursework from postsecondary institutions outside of the country must follow the same guidelines as indicated relative to submitting all prior coursework for evaluation. Transcripts in languages other than English must be translated.

Apply for Federal and State Financial Aid and Broward College Scholarship

FAFSA

Students who need assistance paying their tuition and fees must complete a Free Application for Federal Student Aid (FAFSA). To be considered for grants, institutional athletic and non-athletic scholarships, Federal direct subsidized and unsubsidized student loans, or work/study, a student must file a FAFSA annually for each academic year where aid is requested. Students do not need to be admitted to the College to apply for financial aid; however, before financial aid can be awarded, the student must be registered for classes and complete the verification process determined by Federal government and selected by the College.

NOTE: Students and parents are encouraged to file their taxes prior to completing the FAFSA and when completing the FAFSA should use the IRS Data Retrieval tool in order to avoid verification of income purposes.

Florida Bright Futures students are not required to complete the FASFA to be eligible to receive their Florida Bright Futures awards. However, if students want to determine their eligibility for Federal, State and other forms of student aid, they must complete the FAFSA and all other requirements aligned to the aid source.

NOTE: The Federal student aid application is available online at www.fafsa.ed.gov. Broward College's school code is 001500. When completing the FAFSA, Federal guidelines require that all eligible students use the IRS data retrieval tool. In most cases when students and parents who use the IRS data retrieval tool to populate their income information their records may not be selected for income verification as long as prior year income taxes have been filed for all applicants included on the FAFSA. Students who elect not to use the tool when completing their FAFSA, and if selected for verification of income, per Federal regulation, the only form of documentation that can be accepted by the College is an IRS tax transcript. Paper copies of tax returns can no longer be accepted. For more information refer to the Student Financial aid section in the catalog or College Policy 5.11.

The Broward College Scholarship Application can be access at
https://broward.scholarships.ngwebsolutions.com/scholarx_studentportal.aspx

Determine Placement

Students applying for admission to the College as a degree seeking student may be required to take the college placement test to determine the level of readiness in reading, English, writing, and math course.

Exempt students

Effective January 2014, students who entered a Florida public or charter high school beginning in the 2003 school year and thereafter and graduated with a standard high school diploma beginning 2007 and thereafter, as well as active duty military personnel, will be exempt from placement tests and can opt out of development education courses. These students can enroll directly into gateway and college-level courses. Students who fall into this exempted category are required to meet with an advisor to determine their career and educational plans.

NOTE: Students should consider how long they have been out of high school, the when was the last time they were enrolled in a English or math course, and/or the grades earned in these courses. Exempted students can take MOOCs, boot camps and other skills remediation options prior to enrollment in the gateway, college-level or other courses, as well as, opt into development education in preparation for college-level work.

Students who do not fall into this recent graduate definition (non- public Florida and non-Florida high school graduate, GED holders, homeschooled students and graduates of a public school prior to 2007) must complete a skills assessment common placement test. The placement tests is not a pass or fail test, but rather a test given to determine students' placement level in Math, English and Reading. Students may also satisfy this requirement by providing test scores for other approved tests for placement purposes taken prior to attending the College. These test scores must not be more than two years old. All students will have an option to choose how they remediate their skills prior to placement in developmental or college-level courses. All students will be advised regarding their developmental education options and can choose the best option that best fits their learning style. Transfer students who have earned college-level credit in Math and English may also be exempt from taking the assessment test if C or better grades were earned in these courses.

NOTE: The College's placement test is the Post-Secondary Readiness Test (P.E.R.T.). P.E.R.T. is the approved test for all State colleges in Florida.

Students may submit scores on other approved placement tests (ACT, SAT, CPT, P.E.R.T.) taken within two years of admission. The College encourages students to review for the test or take a skills remediation option prior to taking it. Non-degree seeking students are not required to take the placement test until after completion of 12 credits of coursework, unless required for a specific course. (See the Admission Categories section of this catalog.)

Advisement

Complete the New Student Orientation required of all first-time in-college-students. Students may choose from a variety of schedules to select and attend one of the sessions at any Broward College campuses or centers. Students will be prohibited from registering until they attend an orientation session.

All new and continuing students are required to meet with an Academic Advisor to develop an educational plan prior to the end of their second term of enrollment. Education plans help guide students through their program of study and ensures on time completion of required coursework if courses are taken and passed in the recommended sequence. Students who have an educational plan tend to attain success at higher levels; therefore, all students should have a career objective aligned to their program of study with an education plan that indicates which courses should be taken for completing the student's selected program of study.

NOTE: Associate of Arts and Associate of Science graduates who take hours that do not apply toward their program of study and/or change their majors multiple times can accumulate excess hours. The State universities in Florida charge and require students to pay a surcharge that is often higher than the tuition rate for credits in excess. Students are encouraged to have an advisement plan and take only hours required for their degree program. Federal student aid (Pell grants and student loans) is also impacted by excess hours in the pace (attempted versus earned) and maximum time frame to complete (150% of the program requirements).

Register for Classes

Students register online at MyBC

Students should register for classes each term based on a defined career objective and education plan. Early registration is highly recommended. Registration dates are listed on the Academic Calendar published on the web and included in this catalog. More detailed information on how to register is included in the corresponding section of this catalog.

Pay Tuition and Fees

See registration section in this catalog for more information.

Student fees must be paid in full prior to the fee payment due date. Students can pay fees through any of the following methods:

Financial Aid - Students who use Financial aid sources (grants, scholarships, and/or loans) to provide full or partial coverage for all or part of their enrollment prior to the start of classes. Once coverage is applied it remains on the schedule until the student cancels their enrollment at the College.

> Information Note: Before the financial aid can be officially disbursed, students must validate their enrollment during the first three weeks of classes. Students who attend classes after the 100% refund date and drop any or all classes can expect their aid to adjust by their enrollment status. When students use financial aid to cover their classes, they should expect to incur charges when changes to their schedule are made that cause aid to adjust.

Tuition Payment Plan - Students may pay in incremental installments when they sign up to use the tuition payment plan. See the Tuition and Fee section of the catalog for more details or the college's website.

By mail with a check or money order - Checks and money orders must be made payable to Broward College and include the student's identification number. Checks and money orders must be in U.S. ($) dollars and drawn on a U.S. bank. Payments in non-U.S. funds or drawn on non-U.S. banks will be returned unprocessed. Counter (starter) checks are not accepted. Checks and money orders may be mailed to:

North Campus Cashier's Office
1000 Coconut Creek Blvd.
Coconut Creek, FL 33066

- *Third-Party Payment* - Florida pre-paid, Workforce One, Vocational Rehabilitation, Veterans (GI BILL), Active Duty (Tuition Assistance (TA) etc.

Fee Waivers and Exemption - Eligible students may be eligible to receive a fee waiver or exemption. See the Student Fees and Tuition section of the catalog.

> NOTE: Classes will be dropped for non-payment if tuition is not paid by the fee payment due date. All students must drop courses prior to the 100% refund date to avoid charges.

Obtain a BC student identification card and parking permit

All students who are pursuing a degree, certificate or diploma must obtain and carry a BC photo identification card. It is used for identification, for verification of BC status, for using College services such as libraries and Academic Success Centers, accessing information for financial aid or other student services that require identification of student status, and for gaining access to other BC facilities. The BC I.D. card may be obtained in the Student Life Office on each campus/center. Veteran students will receive an ID with their veterans status noted and will receive priority services on campus and centers.

The requirement for a decal will be determined at time of enrollment and the appropriate fee charged to the student's account. All parking decals can be applied for at www.broward.edu/parking. Parking decals are mailed; therefore, it is important to verify the correct address in the parking system before finalizing the decal request. Parking decals usually take 10 business days to arrive. A temporary decal is issued in .pdf format that can be printed and used until the permanent decal arrives in the mail.

Access your BC Student Email

All students are required to access and set up a BC student email account. This free Microsoft's Office 365 student e-mail service is more than just e-mail, Microsoft's Office 365 is browser based and offers students the latest technology in e-mail with a long list of benefits and features such as Single e-mail sign-on, Sync to your other e-mails, 25 GB e-mail file storage, Social Networking, Access, view, edit documents from anywhere using Microsoft Office on the Web, Edit Word, Excel, PowerPoint, and OneNote online without additional software, Mobile access to e-mail, IM, text, calendar, blogging, and campus directory from virtually any computer or mobile device (phone) with an Internet connection, Instant messaging, Ability to continue to use e-mail after leaving Broward College and more. Communication with faculty, staff and administrators is done with electronic communications. Email is the college's standard means of communication with students and students are expected to activate their free BC email account and read their email frequently so important information is not missed. Access the Broward College website at www.broward.edu where email accounts can be set up through the student's myBC login and by clicking on the student email/account information icon.

Applicants Seeking Bachelor degrees

Students must have 60 credits or an Associate degree.

Broward College offers Bachelor degree programs various workforce demand areas. Students interested in applying to one of the College's bachelor degree programs should refer the Bachelor degree section of the catalog. Students can also transfer to a four-year university upon completion of their AA or AS degree at Broward College.

> NOTE: Students who transfer without completing a degree are subject to course-for-course transfer guidelines. Students who complete an AA degree and transfer to a Florida College will be under the Florida 2+2 transfer guidelines.

International Education Programs

Study Abroad Programs

Since 1974, Broward College has conducted study abroad programs around the world that allow students the opportunity to travel to another country while earning academic credit toward their degree. Study abroad is open to students of all programs of study who are at least 18 years of age and have a 2.5 cumulative GPA or higher. (Select faculty-led programs may be available to BC College Academy Students with a 2.5 cumulative GPA or higher who are at least 18 years of age). Programs are offered in nearly 30 countries around the world, ranging from one week to an entire semester in length. Information regarding BC study abroad programs and available scholarships can be obtained by contacting the Greene International Education Institute at 954-201-7709 or by visiting the webpage online at www.broward.edu/studyabroad.

College Consortium for International Studies (CCIS) Study Abroad Programs

Broward College is an active member of the College Consortium for International Studies (CCIS) www.ccisabroad.org, an international organization founded for the purpose of providing affordable, high quality study abroad programs. As a result of membership in CCIS, Broward College offers summer and semester-length academic programs in nearly 30 countries around the world, such as Australia, China, Ecuador, England, France, and Italy. Students earn Broward College credits through their participation in these programs. BC sponsors programs in Spain, Germany, and Peru, with discounted rates and scholarships available for Broward degree-seeking students.

The Broward College Center in Spain was established in 1979 to provide students the opportunity to study abroad for a semester or summer in beautiful Seville, Spain. Students will enroll at the International College of Seville or the University of Seville and earn 12-18 U.S. credits during the semester program and 6 U.S. credits during the summer program. Unlike other study programs in Spain, this program does not require proficiency in the Spanish language; students may participate in additional coursework in English or Spanish depending on their level of language proficiency.

The College also offers two study abroad program options during the semester and summer terms in lovely Heidelberg, Germany. The Intensive Language Program at the International House Heidelberg – Collegium Palatinum allows students from beginner to advanced the opportunity to immerse themselves in the German language. There are both 8-week and 16-week sessions during which students earn 12 – 24 U.S. credits. The European Studies Program at the University of the Incarnate Word European Study Center offers coursework in English in a variety of subject areas including history, political science, business, and philosophy. Courses combine lectures and discussions with on-site visits to European political and economic institutions, German and multinational corporations, and historical and cultural points of interest. Students earn 15 U.S. credits during the semester and 6 U.S. credits during the summer.

Semester and summer opportunities also are available in Lima and Cusco, Peru through the College's affiliation with the Universidad San Ignacio de Loyola. Students have option to study on its main campus in metropolitan Lima, or on its extension campus in historic Cusco. The semester program in Lima offers coursework conducted in English or Spanish in subject areas such as the Hospitality/Tourism Management, Marketing, Economics, International Business, International Relations, Culinary Arts and all levels of Spanish language. In Cusco, students can choose between a semester and summer program offering all levels of Spanish Language as well as coursework conducted fully in English such as Art and Design in Cusco, History of the Inca Civilization, Biodiversity of Peru, and Photography. Students earn 12-15 U.S. credits for their participation in a semester program and 6 U.S. credits for their participation in a summer program.

Faculty-Led Study Abroad Programs

Broward College also conducts several short-term, faculty-led study abroad programs during the spring break and summer term. Destinations and coursework offered vary by the year. Programs are led and coursework is taught by Broward professors who accompany the students abroad during the international travel component, which lasts between 1-3 weeks. Participants earn between 3-6 credits upon successful completion of the program and course.
Programs are open to BC students at least 18 years of age with 2.5 cumulative GPA or higher and community members at least 18 years of age who wish to apply to the college and register for a study abroad program. Some programs are open to BC College Academy students at least 18 years of age with a 2.5 cumulative GPA or higher. For information on available programs, please contact the Greene International Education Institute at 954- 201-7709 or visit the webpage online at www.broward.edu/studyabroad.

Scholarships and Financial Aid

Many types of state and federal aid may be applied to study abroad programs. There are also scholarship opportunities available to students looking to subsidize the travel costs. Institutional funding such as the William E. Greene Scholarship for Semester Study Abroad—a partial scholarship awarded each fall and spring term to students interested in studying abroad in Spain, Peru or Ecuador—and short-term travel grants are available to BC degree-seeking students who are participating in BC sponsored study abroad programs. External scholarships such as the Benjamin A. Gilman International Scholarship and the Fund for Education Abroad Scholarship also provide additional funding for study abroad programs. For information on funding opportunities, please contact the Greene International Education Institute at 954-201-7709 or visit the webpages online at www.broward.edu/studyabroad.

International Affiliate Programs

Broward College has established formal linkages with several institutions of higher education around the world. Since 1981, BC has maintained, at various times, academic affiliations with a number of educational institutions located in Europe, Asia and South America. Broward College's regional accreditation does not transfer to these international affiliates or their students.

International affiliates utilize the BC curriculum and offer courses and programs similar to those offered at BC. Broward College provides technical assistance to facilitate the parallelism and quality of the academic programs offered at all international affiliates. This includes appointing a faculty coordinator for these centers and two site visits a year to visit classes, observe and evaluate faculty, evaluate the adequacy of learning resources and student support services for each site where Broward College courses are offered.

Current BC International Affiliates include:

- Texila American University (TAU), Georgetown, Guyana
- Sampoerna University (SU) Jakarta, Indonesia
- Kazan National Research Technological University (KNRTU), Kazan, Russia
- The American College in Spain (ACS), Marbella, Spain
- Academic City College, Adabraka, Ghana
- Tianjin University of Commerce (TUC), Tianjin, China

SACS Approved International Centers

Broward College also conducts programs approved by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) where students enroll and register in college credit courses as Broward College students at these locations:

- Broward Center for American Education (BCAE), Guayaquil, Ecuador
- National Management School (NMS), Mumbai, India
- Center for American Education at the Universidad San Ignacio de Loyola (USIL), Lima, Peru
- American College of Higher Education (ACHE), Colombo, Sri Lanka
- Institute for American Education at Vietnamese-American Technical College (VATC), Ho Chi Minh City, Vietnam
- International University of Santa Cruz (IUSC), Santa Cruz, Bolivia
- Wuxi South Ocean College (WSOC), Wuxi Jiangsu, China
- Shanghai Second Polytechnic University (SSPU), Shanghai, China
- Beijing Institute of Technology (BIT), Zhuhai, China

International Student Admissions
(F-1 and M1 Student Visa Status)

Broward College is an accredited public college in South Florida offering bachelor, associate, and language training programs. Broward College embraces a multicultural, diverse student environment and encourages applications from students all over the world. Students represent more than 180 countries and 43 languages which provide a cross cultural learning exchange and richness to South Florida. Students should apply to the college three to six months in advance of the anticipated semester of enrollment.

Admission Requirements

STEP ONE: Apply online at www.broward.edu/admisssions and pay for the US$75.00 non-refundable application fee. Click on "Start Application" and select "Credit." While completing the application online, the student will be asked to choose what visa he or she has. In this case, the student will choose the intended visa which is the F-1 international student. Once the student completes the application, he or she needs to exit and login again to be able to pay for the application fee. The student can choose any term to pay for this one-time fee.

Note:

- Associate in Applied science (AAS) and Certificate programs require a different visa: M-1. However, not all AAS and certificates are eligible for the M-1 visa. Students interested in these programs must send an email to the Office of International Admissions at int-admissions@broward.edu before applying to verify if the program is eligible for the M-1 visa.
- Health science degree seeking students should also refer to the Health Science limited access information.
- Bachelor degree seeking students who have earned a two-year degree or 60 credits of transferrable credit should also refer to the bachelor degree admissions requirements.

STEP TWO: Send the international student supplemental application and supporting documents as as email attachment to the Office of International Admissions at int-admissions@broward.edu. Include the full name and student ID number in the email. Applications will be reviewed once all documents are provided.

Supporting documents to be emailed to int-admissions@broward.edu:

1. International Student Supplemental Application
2. Copy of **Passport** (page with name and date of birth). If a student is transferring the I-20 from another school to Broward College, he or she will also need to provide copies of:
   - Current I-20
   - I-94 (showing F-1 immigration status)
   - F-1 visa (if applicable)
   - SEVIS fee receipt
   - F1 Transfer Eligibility Form
3. Copy of **Education Records** through highest level of education completed (original/official documents will be required upon student's arrival at Broward College)

   - High School Diploma or General Equivalency Diploma (GED) - All applicants must have the equivalent of a U.S. high school diploma (High school diplomas do not have to be translated to English with the exception of Hebrew, Arabic, or Asian. High school transcripts are not required unless a student has graduated from a regionally accredited U.S. high school.)
   - High School for the British Education System - Four academic passes (or three academic and two non-academic) on the GCE, CXC, BGCSE, WAEC, WASC, or HKCE exams in General Proficiency certificates are required. High school diploma or transcripts are not required.
   - Final university or college transcripts along with a certified English translation, if applicable, are required. A minimum grade point average of 2.0 or its equivalent is required.
     - Language training program applicants are not required to submit university records unless the student intends to continue with a college degree once the Language program is completed. The transcript and translation will be required before changing the I-20 from the Language Training program to a college degree.
     - If transfer credits are not desired, commercial transcript evaluation is optional for associate degree applicants. However, students who attended postsecondary institutions outside the U.S. and desire transfer credit, must submit a commercial evaluation completed within 30 days of acceptance or before registering for classes, whichever comes first. Students who elect not to submit a commercial evaluation upon acceptance and take any coursework that may be later deemed equivalent to BC coursework will not be reimbursed for courses taken at Broward College.
     - Bachelor degree applicants must have a commercial transcript evaluation of all university work completed outside the U.S., prior to admission.

4. Evidence of Financial Support

   - Bank statement, scholarship, or loan approval indicating that there are sufficient funds to cover the estimated annual cost of education (tuition for 24 credits, lab fees, books, and living expenses):
     - Associate's Degree (freshman and sophomore level classes) – US$22,500
     - Associate of Science in Professional Pilot Technology - US$50,000
     - Bachelor's Degree (junior and senior level classes) - US$27,500

- Language Training program – US$22,500
- Additional proof of financial support for dependents (spouse and/or child) - $7,000 US dollars per dependent
- Fees are subject to change without notice
- Broward College does not provide housing. The living expenses included in the annual cost of education is an estimate of what the student will need per year.

5. Proof of English Proficiency – Degree seeking students must provide proof of English proficiency to receive an I-20 for a college degree.
   - NOT required if English is the student's primary language
   - NOT required if the student is applying for the Language Training program before the college degree. However, applicants must have a basic to intermediate level of English proficiency to be able to take our placement test (LOEP – Levels of English Proficiency)

Test	Score Range	Placement Test Upon Arrival	Note
TOEFL IBT	79 to 120	PERT (Post-Secondary Education Readiness Test)	If scores are low in the PERT, student will be required to take the LOEP.
TOEFL IBT	61 to 78	LOEP (Levels of English Proficiency)	If additional language training is required, we will change the I-20 from an associate's degree to the Language Training program.
IELTS	6.5 to 9.0	PERT	If scores are low in the PERT, student will be required to take the LOEP.
IELTS	5.5 to 6.0	LOEP	If additional language training is required, we will change the I-20 from an associate's degree to the Language Training program.
Cambridge English Advanced	176 to 209+	PERT	If scores are low in the PERT, student will be required to take the LOEP.
Cambridge English Advanced	162 to 175	LOEP	If additional language training is required, we will change the I-20 from an associate's degree to the Language Training program.

Other acceptable proofs of **English Proficiency**:

- LOEP (Levels of English Proficiency) test – available to applicants currently in South Florida. The test can be taken at Broward College Testing Centers.
- Successful completion of ENG III and IV at a U.S. high school with a grade of C or better.
- Successful completion of university level English at an accredited U.S. university/college with a grade of C or better.
- Sweden, Norway, and Denmark high school transcript showing English grades:
  - Sweden - **VG** (pass with distinction) or higher (1996 - 2012). VG is equivalent to B in the U.S.
  - Sweden - **D** or higher (as of June 2014). D is equivalent to B in the U.S.
  - Norway - **4** (good competence in the subject) or higher. 4 is equivalent to B in the U.S.
  - Denmark - **C** (good) or higher. C is equivalent to B in the U.S.
  - Students from Sweden, Norway and Denmark will be required to take the LOEP (Levels of English Proficiency) test upon arrival at Broward College. If the student shows evidence of English proficiency in the LOEP test, he or she will be eligible to take the PERT (Post-

Secondary Education Readiness Test)

- Students attending ELS Educational Services, Inc. may present proof of completion of level 109 or higher. The student will be required to take the LOEP (Levels of English Proficiency) test upon arrival at Broward College.

Please note:

- Native English speakers will be required to take the PERT (Post-Secondary Education Readiness Test) for placement upon arrival at Broward College.
- Degree seeking students who do not place into college level classes on the PERT test will be required to take developmental courses which will not apply towards the degree.
- Students in the Language Training program must complete level four of EAP (English for Academic Purposes) before changing the I-20 to a college degree program.
- Students may also provide SAT and ACT scores for **placement**.
- Language Training program applicants must have a basic to intermediate level of English proficiency to successfully take the LOEP (Levels of English Proficiency) test.

6. If a **student has dependents** (spouse and/or child), he or she will also need to provide a copy of the passport for each dependent. Include the following information in the email:

- Full name of the dependent
- Date of birth
- Country of citizenship
- Country of birth
- Gender
- Relationship to student (spouse or child)

After Applying

Once all documents are provided, the Office of International Admissions will notify the applicant regarding one or more of the following:

- Proof of acceptance along with the I-20 form for the student to apply for the student visa in his/her home country.
- Proof of acceptance with instructions for the student to contact the Office of International Admissions regarding his/her visa status if the student is doing a change of immigration status in the United States with his/her attorney.
- Proof of acceptance with instructions for the student to contact his/her Designated School Official (DSO) if the student is transferring the I-20 to Broward College from another school.
- A request for additional documents.
- A denial email with an explanation for that decision.

After Admission

Once admitted to Broward College, an acceptance packet will be mailed to the student with the instructions on how to apply for the student visa/status or how to transfer the I-20 to Broward College.

Please be advised acceptance to the College does not guarantee a student visa by the U.S. Embassy in your country; neither does it guarantee a change of status by the United States Citizenship and Immigration Services (USCIS).

International students obtaining the student visa in their country are eligible to enter the U.S. 30 days before the start of the classes. Once in the U.S., students must bring proof of the student visa, I-94, and signed immigration regulations form to the Admissions/Registration Office at the campus they plan to attend. Next, the student will meet with an International Student Advisor/Counselor on the campus for information on placement testing, advisement and registration. Placement test scores will determine if the student should enroll in English for

Academic Purposes (EAP), college level courses in Math, Reading and English or developmental education (Dev Ed) courses. Dev Ed and EAP (level 4 and below) do not count for graduation. Students must also show proof of health insurance coverage before registering for classes. Health insurance is required during student's entire program of study at Broward College including annual vacation and break between terms.

Students who have completed university course work outside the United States and desire transfer credit are required to complete a commercial evaluation of all course work completed. This is required even if the student has not completed the degree. The commercial evaluation is not optional for students seeking a bachelor degree.

PLEASE NOTE: Students who choose not to have a commercial evaluation completed will not be reimbursed for any courses taken at previous universities which later may be deemed equivalent to courses taken at Broward College.

Other Requirements

International students must make satisfactory progress towards their degree objective each term to comply with immigration regulations.

This includes the following:

- Successfully complete at least 12 semester hours during the **FALL** and **SPRING** respectively.
- The **SUMMER** semester is considered the student's annual vacation unless it is their first semester or if special arrangements have been made with the international admission office.
- Successfully complete a minimum of 24 semester hours in one academic year.
- Maintain an overall 2.0 grade point average (GPA).
- Maintain lawful F-1 or M-1 visa status with the USCIS. Students may not enroll beyond the expiration date of their I-20 form.
- Compliance with all the College rules and regulations.

NOTE: Students receiving a W, WF, or WN as a final course grade or enrollment status are considered to be less than the required 12 credits. If the final grade or enrollment status received is correct, it is a violation of the Student Code of Conduct for students to ask faculty or any college official to alter a grade in order to remain in compliance with Federal Immigration Regulations. Reported incidences of this behavior can result in expulsion.

Students who do not meet the above regulations will not be permitted to register for subsequent terms and may be reported to the USCIS for non- compliance of the immigration regulations.

Florida Residency

Students in F-1 or M-1 status are considered temporary residents of the United States and may NOT be deemed Florida residents for tuition purposes.

Federal Income Tax

International students must file an income tax return each year. Form 8843 is required if the student has not worked, and forms 8843 and 1040NREZ are required if the student has worked. International students should contact the local Internal Revenue Office (IRS) for further information. Forms can be obtained on line at www.irs.gov.

All non-residents are subject to US federal income tax, unless exempted. Federal income tax may be withheld from US source funds students receive from the college such as scholarships or employment. Certain countries have tax treaties with the US where some taxes may be reduced or exempted and recouped at year end from the IRS. For participating countries, please visit the IRS website.

Employment

International students are not permitted to work off campus without approval. On-campus employment is permitted. Please contact the Office of International Admissions for additional information on employment.

Housing

The College does not provide or recommend student housing. However, the College provides a housing resource:

CORT. For more information see: http://www.broward.edu/international/students/Pages/Housing-Resources.aspx

Financial Assistance

Non-US Citizens or non-eligible residents do not qualify for Federal or State Student Financial aid. International students may qualify for private loans as explained in the next paragraphs. The college does not recommend any one lender or another and does not provide assistance or give advice regarding private loans for any students enrolled or not enrolled at the College.

International students may also apply for private education or alternative loans to help pay for their educational expenses as long as there is a co- signer who is a US citizen or permanent resident. The guidelines to apply will vary depending on the lender, but citizenship and credit will be a requirement for many, if not all, lenders. Students are free to research ways to pay for College using all available resources afforded to them to determine whether they qualify for such. Please contact the lender of your choice for additional information.

Students using student loans as proof of financial support must provide loan approval prior to receiving an I-20. All transactions regarding the loan are between the student and the lender.

Social Security Number

If a student has a Social Security Number (SSN) or a Taxpayer Identification Number (ITIN), federal law requires that it be furnished to the College so that it may be included on all documents filed by the institution with the Internal Revenue Service. Students who fail to furnish the College with the correct SSN or ITIN may be subject to an IRS penalty of $100 unless the failure is due to reasonable cause and not to willful neglect.

Contact Information

Contact information for international student admission can be obtained from the College website at www.broward.edu/international.

Libraries

The library on each of the College's campuses is a joint-use facility. Consequently, policies, procedures, and hours of operation differ slightly from one location to another.

On the A. Hugh Adams Central Campus, the University/College Library is located in Building 17. The library is a joint-use facility operated by Broward College and Florida Atlantic University. The mission of the library is to provide academic support to students and to create a stimulating environment that will encourage academic achievement. Students have access to a large number of electronic resources available for use in the building or remotely and book collections. Information and resources provided by the University/College Library are available through the Web. Students on the College's North and Judson A. Samuels South Campuses are also served by joint-use facilities. The College and Broward County jointly operate these libraries. On North Campus, the joint BC/Broward County Library is located in building 62, and on the Judson A. Samuels South Campus, the joint BC/Broward County Library is located in building 81. Both of these facilities have access to both the college and county's electronic catalog which permits the user to search all the holdings in the entire Broward County Library System as well as a large assortment of BC electronic databases. Research using the catalog and electronic databases is available at each library location, as well as through the College's web page. Students who attend the Willis Holcombe Downtown Center or the Pines Center will find a Broward County Library located nearby.

Library Cards

BC students are eligible to use all campus libraries. However, due to their particular partnerships, different cards are required on the campuses to check out materials. Students must have a BC identification card in order to check out materials from the University/College Library on the A. Hugh Adams Central Campus. Students at the North and Judson A. Samuels South Campuses and the Willis Holcombe Downtown Center and the Pine Centers must have a Broward County library card. Since each location is unique, materials that have been checked out must be returned to the campus from which the material was borrowed.

The library staff encourages students and faculty to make suggestions for the improvement of service and appreciates recommendations for titles to be added to the collection. Qualified staff is available at each location to help patrons identify, locate and use library materials. For further information and for the different campus library hours of operation, please contact the individual campuses.

A. Hugh Adams Central Campus Building 17	954 - 201-6648
North Campus Building 62	954 - 201-2261
Judson A. Samuels South Campus Building 72	954 - 201-8909
Pines Center Building 101	954 - 201-3619
Broward County Main Library	954 - 357-7444

Exemption from Developmental Education Program and Placement Testing

As part of the admission process, all degree-seeking students (Associate of Arts - AA, Associate of Science - AS, and Associate of Applied Science - AAS) may be assessed in writing, reading, and mathematics to establish their communication and computation achievement levels. This assessment includes transfer students whose achievement level has not been certified.

Exemption from Developmental Education Program and Placement Testing

Fulfillment of one or more of the following five criteria will exempt a student from the placement test and developmental education course requirements at BC:

- Entered 9th grade in a Florida public or charter high school during the 2003-2004 school year or thereafter AND earned a Florida standard high school diploma
- Currently serving as an active duty member of any branch of the United States Armed Services
- Possess test scores (SAT, ACT, CPT, PERT, or FCAT 2.0) not more than two years old that meet or exceed the Florida statewide minimum score requirement [Note: To request scores from the College Board be sent to Broward College, use the school code 01500]
- Have successfully completed developmental education course requirements in writing, reading, and mathematics
- Completed college-level English Composition and Mathematics courses with a grade of 'C' or better at a regionally accredited college or university

Students who believe they may be exempt are strongly encouraged to schedule an immediate appointment with a Broward College Academic Advisor. The College's professional Academic Advisors are best equipped to: assess exemption status; fully inform each student about Broward College's wide range of developmental education and college readiness options; evaluate each student's college readiness level, and then provide personalized recommendations regarding which resources may be in the individual student's best academic interest, based upon past educational history and current career/educational goals.

Even students who are exempt from the placement testing requirement have the legal right to request to take — at absolutely no cost/obligation — the Florida Postsecondary Education Readiness Test (PERT), offered at all of our campus Testing Centers. This is strongly encouraged. Doing so provides the student with a more accurate measurement of his/her current level of college academic readiness, which helps one better determine whether a developmental education option should be chosen and, if so, which one(s). Also, regardless of exemption status, a PERT score is a useful tool in choosing the right level (and combination) of college courses to take during one's first several semesters.

Non-Exemption from Developmental Education Program and Placement Testing

All students who meet one or more of the following nine criteria are required to complete placement testing:

- Earned a Florida public high school Certificate of Completion (state code W8A or W53)
- Began 9th grade in a private school or non-Florida high school then moved to Florida and entered a Florida public high school
- Earned a high school equivalency diploma or GED
- Received high school level instruction from a "Home Education Program", as defined in Florida Statute 1002.01(1)
- Graduated from a private high school
- Graduated from a high school located outside of Florida
- Graduated from a Florida public high school prior to 2007
- Is a prospective dual enrollment student
- Is a military veteran who is not an active duty member of a branch of the United States Armed Services

It is important for the non-exempt student, to know that the placement test is not a pass or fail test, but rather a test given to determine a student's placement level in Mathematics, Writing, and Reading. Students may also satisfy this requirement by providing test scores for other approved tests for placement purposes taken prior to attending the College. These test scores must not be more than two years old. All students will be advised regarding their developmental education options and can choose the option that best fits their particular learning style and skill-remediation needs.

Placement Test Options

Nonexempt students who have not earned college credit and have not demonstrated readiness by another measure

determined by the College must present test scores, not more than two years old, on one or more of the following State-approved placement tests:

- Postsecondary Education Readiness Test (PERT) as of March 2011
- Enhanced ACT (American College Testing Program)
- SAT (College Board's Scholastic Aptitude Test)
- CPT (College Board's ACCUPLACER Computerized Placement Test)

Students' scores on ACT or SAT may exempt them from placement testing. Non-exempt students who have not taken any of the above tests, or whose test scores on any of the above tests are older than two years, must take the Postsecondary Education Readiness Test (PERT).

Placement in Courses

A student whose placement test scores in writing, reading, and mathematics meet or exceed the statewide minimum score requirement may enroll in college-level English and Mathematics courses.

A non-exempt student whose placement test scores fall below the minimum in one or more of those areas shall not be permitted to enroll in college-level English or Mathematics courses until successfully completing the appropriate developmental education courses or achieving placement test scores that meet or exceed the statewide required minimum.

Students enrolled in developmental education courses may be eligible to enroll concurrently in certain other college-level courses. Prior to doing so, it is strongly recommended that students consult with an academic advisor and complete an Educational Plan.

Transfer students' placement will be based on the official evaluation of credit earned at previous colleges. Placement testing may be required.

Degree-holding students will not be required to undergo placement testing upon submission of an official transcript from a regionally-accredited college. However, some degree-holding students whose primary language is not English may be tested for placement.

Non-degree seeking students shall be required to take the placement test prior to enrollment in English or Mathematics courses or other courses that require English, Reading or Mathematics as pre-requisites.

English Proficiency Placement Test

For English placement, non-native English-speaking students who are in one or more of the following categories must take the Levels of English Proficiency (LOEP) exam, including a proctored writing sample:

- Degree-seeking students who do not meet the criteria for exemption from placement testing
- Students who earned a GED in Spanish
- Students who have LOEP placement test scores that are more than one year old and who have never registered for classes.
- Students who have expired SAT, ACT, TOEFL, or IELTS scores (two years after the test date)
- Students who did not complete four years of high school in the State of Florida

Before completing the LOEP exam, non-native English speaking students should contact the Counseling and Advisement Office to discuss Broward College's assortment of English language program offerings.

Test of Adult Basic Education (TABE)

Students enrolling in selected Vocational Certificate and Applied Technology Diploma programs are required to submit recent scores, no more than two years old, from the Test of Adult Basic Education (TABE). Students who do not meet the required TABE scores, as defined by Florida State Board Rule, can begin coursework in a

certificate/diploma program, but must complete remediation of skills prior to graduation from the program. Remediation services are available in all campus Academic Success Centers. Once study is completed, students must retake the TABE and present passing scores in all areas to graduate with their certificate/diploma. TABE Testing is available on each campus. Contact a campus Testing Center for TABE testing information or visit the College website.

Students who have previously completed developmental education instruction, passed college-level English and Mathematics courses, or hold a degree, should see an Academic Advisor/Counselor for possible TABE exemption.

Registration

Student ID Number

A student ID is a system derived identifier that is used throughout the BC student information and web-based systems.

PIN Number

The personal identification number (PIN) is the student's access into their "myBC" student portal at Broward College. The initial PIN is set as the birth month and year (MMYYYY). It is important that the PIN number is not revealed to anyone. If it is suspected that the PIN is not secure, change the PIN online to ensure academic records security. If a PIN number is lost or forgotten, or if the default PIN does not appear to work, present a picture ID to acquire the correct code at any of the campus Enrollment Services Offices.

Online Registration

Register on the web by following eight easy steps. From the Broward College home page:

1. Enter the student ID and PIN number at "myBC" (Your student ID number is the assigned number with no dashes. Your PIN number is initially set to the birth month and birth year: MMYYYY).
2. Click on registration.
3. Click on Add/Drop
4. Select a term.
5. Search for classes by course number, reference number(s) or open classes by clicking on the appropriate circle.
6. Select a class then click "reference number" To remove a class, click on the "Drop Course" box.
7. When finished selecting classes, click "Save" to complete registration.
8. Print the schedule and payment information, click on the "Logoff" box.

Term Schedule of Classes

Term schedules are available online via myBC.

Registration Dates

Registration dates are published online for all students and are also available via myBC for current students.

Schedule Changes

During registration periods, students may add courses until the actual class begins if the course is not full. After the term begin, students may "drop" courses until the last day of the "drop" with a 100% refund date published on the College calendar online and in the catalog. Anytime thereafter and as long as it is not the third attempt, students may "withdraw" from courses until the last day of the published "withdrawal" period at the 60% point in the term. After the 100% date, students are considered to be enrolled and responsible for the course. Student financial aid is based on course enrollment; therefore, any changes in enrollment through the 60% published date on the College calendar will impact a student's financial aid award.

Registration Holds

A registration hold may be placed on a student's record that will prevent the student from registering until action has been taken to resolve the issue. If students are unable to register online, it is their responsibility to contact the campus registration office, or other relevant office, promptly to determine the cause of the problem and resolve it in a timely manner. Students may see what registration holds, if any, they may have by logging into their "myBC" account. Typical holds include missing transcripts, unpaid student fines, discipline or other violations, incomplete records, academic warning, probation, and suspension or a requirement to meet with a college official prior to registration.

Auditing a Class

Auditing a class allows students to enroll in a class for no credit. No grade is awarded for audited courses. The transcript will indicate a grade of "X." Students must contact the instructor to learn of any requirements regarding attendance, class participation, and assignments. A student may only change to or from an audit status during the designated drop/add period for each term. Changing from credit to audit may be done with the instructor's approval through the scheduled last day to change from credit to audit as listed in the academic term calendar. Audits count as an attempt if enrolled after the drop/add period.

Course Withdrawals

It is the responsibility of the student to cancel her or his course registration up through the published deadline for 100% refund. Courses dropped prior to the last day to this deadline will not appear on the student's academic record. After the published deadline for 100% refund, a student may withdraw, or be withdrawn, up to the published last day to withdraw. Withdrawn courses remain on the student's transcript with a status of withdrawal, indicating that the student registered for the course but withdrew or was withdrawn. After the deadline for withdrawal, grades are earned and recorded. Students' financial aid will be impacted by any change in enrollment status resulting in W, F and other unsatisfactory progress grades. See the Financial Aid Section of this catalog and College Policy for additional guidelines.

Skill Improvement Programs

Broward College offers multiple opportunities for prospective and current students to improve their skills to enhance their success in college level courses. Broward College Online has a free, self-paced course in reading, writing, and mathematics that students can take almost any time. This College Foundations course can be done as a self-help tutorial or students can receive expert help from Broward College faculty. Information available at 954-201-7900 or bconline@broward.edu .

Broward College Continuing Education department offers non-credit courses and workshops to refresh Algebra and math skills and improve reading, writing and math skills for placement testing or course enrollment. Information available at 954-201-7800.

Student Activities

Student Life

Student Life activities are available to all currently enrolled students. Student Life offices provide information and support for student clubs and organizations, student government, student development and leadership, and new student orientation. In addition, students can get information on community volunteerism and campus events.

Competitive Academic Teams

The Robert "Bob" Elmore Honors College is pleased to help facilitate three dynamic, competitive academic teams which maintain an active presence across the campus, state, and country. Membership is open to Honors and non-Honors students from all campuses. Each group attends team-based competitions where they compete for certificates and trophies.

Brain Bowl

The Broward College Brain Bowl team competes in various styles of academic tournaments. As a member of FCSAA Brain Bowl they compete against other Florida colleges in regional and state tournaments. As participants in NAQT they compete against other colleges and universities at the sectional, national and international level. Eligible participants also receive scholarships to compete with the team.

Math Team

The Broward College Math Team competes at the annual Florida state Math Olympics at the University of North Florida in Jacksonville. There are three parts to the event: A team portion, an individual portion, and a calculator portion. The participants meet regularly to prepare for our competitions. A math level of Calculus II is recommended and Calculus I is required.

Model United Nations

The Broward College Model United Nations team researches and debates various international topics. Our United Nations simulation conferences take place across the country and students compete with local colleges as well as top-tier national universities.

For more information on any of the above Competitive Academic Teams, visit the honors website.

Forensics (Speech/Debate)

The Broward College Forensics Team competes in the Florida College Student Activities Association. In intercollegiate forensics (speech/debate) there are two classes of competition: Debate and Individual Events. Debate events include: Lincoln Douglas, Policy, and Parliamentary. Individual events include: prose, poetry, screen plays, movie/radio scripts, and several types of platform speeches.

Tigertail Lake Recreational Center

Tigertail Lake Recreational Center provides water sports such as sailing, windsurfing, scuba, stand-up paddleboards, and kayaking; a ropes challenge course; recreational trips; and American Red Cross lifeguard classes. Students are welcomed to come out for FREE watersports rentals 6 days a week. Tigertail Lake Recreational Center is located at 580 Gulf Stream Way, Dania Beach. For more information, call Tigertail at 954 201-4500.

Intercollegiate Athletics

BC intercollegiate athletics is a member of The National Junior College Athletic Association and Florida College System Activities Association (FCSAA), currently competing in eight sports:

- Men's & Women's Basketball – Central Campus (Played November 1 - March 15)
- Women's Softball – South Campus (Played February - May 1)
- Women's Volleyball – Central Campus (Played September 1 - October 15)
- Women's Tennis – Central Campus (Played February - May 1)
- Men's Baseball – Central Campus (Played February - May 1)
- Men's and Women's Soccer – South Campus (Played September 1 - November 1)

Student Publications

Broward College produces *The Observer*, the college-wide bi-monthly student newspaper and *P'an Ku*, the biannual student-produced literary and arts magazine. Any enrolled student can work for either student publication. Limited scholarships are available to student editors.

BCBrothers in Hermandad

BCBrothers en Hermandad is a college-wide initiative that partners with college student success resource providers and the broader community, to promote minority male academic success via authentic engagement, holistic development of the individual, and through building a sense of community. To partner with BCBrothers en Hermandad, or for more information about the program generally, contact Student Life.

Student Affairs Policies and Procedures

The Broward College Student Handbook provides concise information for students who are currently enrolled regarding support services available, student life, summaries of important student policies and procedures, and an academic calendar. The following are the most critical student policies at Broward College:

Policy	Procedure	Number
Academic Standards of Progress		6Hx2-4.23
Admissions	Admissions	6Hx2-5.01
Class Attendance		6Hx2-4.18
College Copyright Policy	College Copyright Policy	A6Hx2-8.05B
College Network and Software Usage		6Hx2-8.01
Complaint Process	Complaint Process	6Hx2-5.23
Dropping a Class, Withdrawals, and Refunds	Dropping a Class, Withdrawals, and Refunds	6Hx2-5.36
Disability Services and Academic Accommodations for Students	Disability Services and Academic Accommodations for Students	6Hx2-5.09
Family Educational Rights and Privacy Act	Family Educational Rights and Privacy Act	6Hx2-5.03
Grades and Grade Appeal	Grades and Grade Appeal	6Hx2-4.19
HIV/AIDS		6Hx2-5.16
Placement Testing	Placement Testing	6Hx2-5.14
Religious Observances		6Hx2-4.20
Sexual Misconduct	Sexual Misconduct	6Hx2-5.39
Substance Abuse	Substance Abuse	6Hx2-5.18
Student Code of Conduct	Student Code of Conduct	6Hx2-5.02
Student Financial Aid	Student Financial Aid (Standards of Academic Progress)	6Hx2-5.11

For a complete listing of all Broward College Policies, visit http://www.broward.edu/legal/policies/Pages/default.aspx.

Contact information for filing complaints regarding online learning:

Broward College Online
www.broward.edu/online
954-201-7900
6400 N.W. 6th Way; Fort Lauderdale, Florida 33309

Florida Department of Education, Division of Florida Colleges
www.fldoe.org/schools/higher-ed/fl-college-system/about-us/complaint.stml
850-245-0407
325 West Gaines Street, Room 1544; Tallahassee, Florida 32399-0400

Southern Association of Colleges and Schools, Commission on Colleges
www.sacscoc.org/pdf/081705/complaintpolicy.pdf

404-679-4500
1866 Southern Lane; Decatur, GA 30033-4097

For students residing outside of Florida, contact information for other state regulatory agencies may be found at www.broward.edu/online/

Student Code of Conduct Procedure

Broward College Procedure A6Hx2-5.02

ARTICLE I: STUDENT CONDUCT REVIEW PROCEDURES

1. Any member of the Broward College ("College") community may file a complaint against any student or student organization for misconduct. Students are encouraged to submit complaints in writing, directed to the dean of students where the violation was allegedly committed. Complaints should be submitted within 5 business days after the incident. Complaints that are not in writing and/or submitted after the preferred timeline will also be considered and investigated as needed. Both the complainant and the referred student will receive a written copy of the student code of conduct and other College policies and procedures applicable to the alleged violation.

2. When the dean of students becomes aware of the complaint, she/he may do one or more of the following:

    a. Immediate Sanction: If a student or student organization poses a threat to any person, is unruly, disruptive, uncontrollable, damages or threatens to damage any property, or some other serious condition exists, the dean of students may immediately suspend the student or organization from class(es) or other activities at the College. If there is an immediate threat to campus or classroom environment, this suspension may occur prior to due process being extended to the student or student organization.

    b. Support for Complainant: The College will take immediate interim steps to protect the complainant and other impacted members of the College community pending the final outcome of the investigation. Interim measures are available to address safety as well as any hostile education environment resulting from the alleged misconduct. These measures include, but are not limited to, changing an employee's or student's work schedule, altering the complainant's or referred student's course schedule or campus, allowing the withdrawal or retake of classes without penalty, academic support such as tutoring, student affairs support such as assistance with financial aid issues, visa and immigration assistance, and the issuance of no-contact orders, assisting the student in notifying law-enforcement, recommending appropriate community support, recommending options for

counseling, and assisting the student with initiating a College complaint and investigation regarding the allegation in accordance with applicable College policies. Interim measures are temporary and may be removed, enhanced, or otherwise altered upon final determination of the issue.

c. Trespass: In accordance with College Policy 6Hx2-2.02 – At the direction of the dean of students, students may be escorted off College property if their continued presence is considered a threat to the safety of persons or property. Trespass may occur prior to due process being extended to the student or student organization.

d. Review by dean of students: Other than in instances where a possible outcome of a disciplinary hearing is suspension or expulsion, the dean of students will review evidence, meet with the student or student organization, meet with witnesses, and impose sanctions as outlined in Article III of this procedure within 15 business days after receiving the complaint. A review by the dean of students may occur prior to sanctions being imposed or after sanctions are imposed and/or a notice of trespass is issued in accordance with items I.2.a & b above. The review will determine whether or not the conduct occurred and what actions to take to end the violations of the Code of Conduct, eliminate any hostile environment, and prevent future occurrence. The review will be adequate, reliable, and impartial, and include the opportunity for all parties to present witnesses and evidence. Either the complainant or the referred student may question the impartiality of the review to the Campus President, and up through the chain of command as needed depending on the nature of the concern about impartiality. The College will preserve all evidence that may be of value in conducting an investigation and determining the culpability and sanctions imposed on the referred students, and will share such evidence with appropriate law enforcement entities as required by law.

e. Review by Student Conduct Committee: In cases involving possible suspension or expulsion, the matter will be heard by the Student Conduct Committee in accordance with the guidelines set forth in Article II of this procedure. In cases where the matter is referred to the Student Conduct Committee, the dean of students may still conduct the initial review as described above.

f. Disruptive Students: In instances where student behavior manifests symptoms of possible psychological/ psychiatric issues, the Campus Behavioral Intervention Team (BIT) chair or the dean of students may recommend to the Campus President that a student complete a psychiatric and/or psychological evaluation based on the student's behavior. The Campus President, in consultation with the Vice President for Student Affairs and Enrollment Management shall determine if an evaluation is warranted. The results of the psychiatric and/or or psychological evaluation will assist the College in determining the student's ability to continue participation in educational programming at the College in accordance with the provisions of this procedure. Students deemed to pose an immediate threat to themselves or others will be subject to immediate sanction and/or may be trespassed from all college locations in accordance with item A and B above pending the outcome of full due process rights afforded by this procedure.

3. Students are responsible for their conduct. Students may not invoke their official or informal complaint or grievances against other persons or departments as part of their defense against allegations of having violated the Student Code of Conduct. Even if legitimate, a grievance against a member of the college community is not sufficient grounds, nor a defense for a violation of the Student Code of Conduct.

ARTICLE II: STUDENT CONDUCT COMMITTEE HEARING PROCEDURES

1. The Student Conduct Committee is a sub-committee of the Academic Standards Committee as codified in College Policy 6Hx2-5.28 – Academic Standards Committee. The Student Conduct Committee consists of members chosen from the Academic Standards Committee. Members of the Student Conduct Committee must not be directly associated with the case. The Chair of the Academic Standards Committee will serve as the Hearing Officer of the Student Conduct Committee. If the Chair of the Academic Standards Committee is unable to preside, the dean of students shall designate a Chair. In cases involving sexual misconduct, or other matters where the privacy of student complainants is an issue, the Hearing Officer, in consultation with the dean of students, may exclude students from hearing the case. The Hearing Officer will only vote if there is a tie. The complainant or the referred student may question the impartiality of members of the Student Conduct Committee to the dean of students, or if the question is about the dean of students, to the appropriate campus president, and up through the chain of command as needed depending on the nature of the concern regarding impartiality.

2. The dean of students will forward pertinent paperwork to the Hearing Officer who will present the complaint and the hearing procedures to the referred student or student organization, and the complainant, in writing. A time will be set for a hearing within 15 business days of the initial complaint.

3. In cases involving more than one referred student, the Hearing Officer of the Student Conduct Committee, at her/his discretion may permit separate hearings.

4. The complainant and the referred student or student organization have the privilege of being assisted, at their own expense, by one adviser of their own choice. The adviser may be an attorney. The complainant and/or the referred student are responsible for presenting their own case. Advisers are not permitted to speak or to participate directly or indirectly in any hearing before a Student Conduct Committee.

5. The complainant, the referred student or student organization, and the Student Conduct Committee will have the privilege of presenting witnesses, subject to inquiry or questioning by the Student Conduct Committee. In cases of alleged sexual misconduct, the referred student or student organization is not permitted to introduce evidence or ask questions regarding the complainant's prior sexual conduct with anyone other than the referred student. It should be noted that evidence of a prior consensual relationship between the parties does not imply consent. Additionally, the hearing officer may prohibit the referred student from directly interacting with or cross examining the complainant in cases of alleged sexual misconduct or in other instances where it is deemed to not be appropriate.

6. The complainant and referred student or student organization must notify the Hearing Officer of any witnesses and/or items for review they wish to present, at least 3 business days prior to the hearing. All parties shall have equal and timely access to information and evidence.

7. At the discretion of the Hearing Officer, pertinent records, exhibits, and written statements may be accepted for consideration by a Student Conduct Committee.

8. All procedural questions are subject to the final decision of the Hearing Officer.

9. All communication at a student conduct hearing shall be directed through the Hearing Officer.

10. The College will create an audio recording of all hearings before a Student Conduct Committee. Participants and guests are not permitted to record the hearing. The record will be the property of the College. In the case of an appeal, the complainant and referred students or student organizations, and appropriate college administrators, have a right to review the recording by scheduling an appointment with the appropriate dean of students. The recording may be listened to but may not leave the office of the dean of students and may not be copied in any form by any person.

11. After the hearing, the Student Conduct Committee will determine by majority vote if the student or student organization has violated specific sections of the Student Code of Conduct.

12. The Student Conduct Committee's determination will be made on the basis of whether it is more likely than not that the referred student or student organization violated the Student Code of Conduct, commonly referred to as a preponderance of the evidence standard.

13. The Student Conduct Committee, after hearing the case in the manner outlined in this Procedure, will recommend sanction(s) within 5 business days to the dean of students. The dean of students may accept, reject, or modify the recommendation offered by the Student Conduct Committee and will simultaneously communicate the disposition of the matter to the complainant and the referred student or student organization in writing within 10 business days after receiving the recommendation of the Student Conduct Committee.

14. The Hearing Officer and committee members shall keep confidential the recommendations of the committee and only the sanction imposed by the dean of students will be communicated to the student or student organization.

ARTICLE III: SANCTIONS

1. The dean of students or the Vice President for Student Affairs and Enrollment Management (per Section IV of this Procedure) may impose one or more of the following sanctions based on the severity of the incident. The sanctions

listed below do not reflect a progressive process and a student may immediately receive a more severe sanction depending on the nature of the violation.

The following Level 1 Sanctions (may be imposed by the dean of students):

a. Warning – A notice in writing to the student that they have violated institutional regulations indicating the potential consequences of future violations.

b. Probation – A written reprimand for violation of specified regulations. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found to have violated any institutional regulation(s) during or after the probationary period.

c. Loss of Privileges – Denial of specified privileges for a designated period of time.

d. Fines – A student may be required to pay fines incurred (i.e. parking, library, etc.) as a condition for complying with the sanction imposed.

e. Restitution – Compensation for loss, damage or injury; this may take the form of appropriate service and/or monetary or material replacement.

f. Discretionary Sanctions – Work assignments, community service to the College, counseling referrals or other related discretionary sanctions.

g. Administrative Withdrawals – Withdrawal for all courses without refund. Students receiving financial aid are subject to College Policy 6Hx2-5.11 – Financial Aid.

h. Trespass – in accordance with College Policy 6Hx2-2.02, students may be prohibited from entering College locations.

2. The Following Level 2 Sanctions (may be imposed by the dean of students after case is heard by the Student Conduct Committee):

a. Any Level 1 sanction listed above.

b. College Suspension – Separation of the student from the College for a definite period of time, after which the student or student organization is eligible to return; conditions for readmission may be specified.

c. College Expulsion – Permanent separation of the student from the College.

3. The following sanctions may be imposed by the College on student organizations:

a. Those sanctions listed above.

b. Deactivation or loss of specific organizational privileges for a specified period of time.

ARTICLE IV: APPEALS

1. A referred student, student organization, or complainant may appeal to the Vice President for Student Affairs and Enrollment Management the sanctions imposed by the dean of students. Such appeals must be in writing and must be delivered to the Vice President for Student Affairs and Enrollment Management within 5 business days of the receipt of sanctions from the dean of students.

2. Sanctions imposed by the dean of students go into effect immediately unless a student or student organization appeals the decision. In such cases, the dean of students in consultation with the Vice President for Student Affairs and Enrollment Management will decide if sanctions will be enforced immediately or pending the outcome of an appeal process.
3. In considering the appeal, the Vice President for Student Affairs and Enrollment Management will limit her/his

review to a determination of whether the student or student organization received a fair hearing in accordance with established policies and procedures. A student who has been sanctioned may only appeal on the following grounds:

a. A substantial procedural error occurred that rendered the process or the outcome fundamentally unfair.

b. New substantive evidence, impossible for the dean of students or the Student Conduct Committee to have heard at the time of the hearing, has been discovered and a failure to review such evidence would be fundamentally unfair.

c. The finding and/or the sanction was fundamentally unfair or inappropriate.

4. The Vice President for Student Affairs and Enrollment Management will generally limit her/his review to the written appeal and the record of the hearing. In exceptional circumstances, the Vice President for Student Affairs and Enrollment Management may, at her/his discretion, meet with student(s) directly to review evidence, meet with witnesses and the accused student(s) or student organization.

5. After considering the appeal, the Vice President for Student Affairs and Enrollment Management may:

a. Find that there are no grounds to consider the appeal.

b. Refer the matter back to the dean of students for further review based on specific issues, with a designated time-frame for reconsideration indicated.

c. Alter the findings or the sanctions imposed by the dean of students. Sanctions imposed during the appeal process may be less severe, or in unusual circumstances, more severe than those originally imposed.

6. The Vice President for Student Affairs and Enrollment Management shall simultaneously communicate the final disposition of the matter to the complainant and referred student or student organization in writing within 10 business days after receiving the appeal. The decision of the Vice President for Student Affairs and Enrollment Management shall be final.

ARTICLE V: COMMUNICATION

1. In cases where there is no appeal to the Vice President for Student Affairs and Enrollment Management within the specified time period in accordance with this procedure, the dean of students shall notify appropriate members of the college community regarding the sanction. In instances where an appeal is submitted and the matter is adjudicated by the Vice President for Student Affairs and Enrollment Management, he/she will notify appropriate College personnel of the decision. Both the complainant and referred student or student organization will receive simultaneous written notice of the outcome of the complaint.

Student Sexual Misconduct Policy
Broward College Policy 6Hx2-5.39

Title IX of the Education Amendments of 1972 protects people from discrimination based on sex in education programs or activities which receive Federal financial assistance. Title IX states that: No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.

Broward College ("College") is committed to creating a safe educational environment for all students, faculty, and staff. Sexual misconduct of any kind, including, but not limited to, sexual violence, domestic violence, dating violence, stalking, sexual harassment, or retaliation for reporting such offenses, will not be tolerated. Sexual misconduct also applies in instances where consent cannot be given (e.g. student's age, or use of drugs or alcohol, or other disability). Students are afforded protections from sexual misconduct, and any hostile education environment resulting from such misconduct, regardless of the sex, sexual orientation, or gender identity of either the alleged perpetrator or complainant, including when both are members of the same sex.
Broward College fully supports and complies with all state and federal laws related to sexual misconduct and will report allegations of sexual misconduct to appropriate law enforcement agencies in accordance with applicable law and subject

to confidentiality provisions outlined in the procedure accompanying this policy and in applicable state and federal law.

The Policy and the Student
Students are prohibited from engaging in sexual misconduct.

The College will provide prompt and ongoing support to student complainants in accordance with the procedure accompanying this policy.

The College offers primary and ongoing programs to prevent and promote awareness of dating violence, domestic violence, sexual assault, and stalking, to include, but not limited to information about safe and positive options for bystander intervention, and how to avoid potential assaults.

The Policy and the Faculty and Staff
College faculty and staff are prohibited from engaging in sexual misconduct.
College staff who are designated "Responsible Employees" as defined below have an obligation to participate in mandated training and report allegations of sexual misconduct in accordance with the procedure accompanying this Policy.

Implementation and Oversight
The President has the authority to establish procedures to implement this policy. The Vice President for Student Affairs and Enrollment Management is responsible for the development and review of this policy. Responsibility for implementation and oversight of policy compliance is vested with the Dean of Students on the campus/center where the infraction is alleged to have occurred (or the student's main campus if the misconduct occurred off campus), while under the direction of the appropriate campus president and in consultation with the Title IX Coordinator (Associate Vice President for Student Affairs/Student Life).

Violation of Policy
The College will take prompt and appropriate action to end any conduct that interferes or limits a student's ability to participate in or benefit from the College's programs. All complaints and investigations of sexual misconduct will be kept confidential as possible and to the extent allowed by law.

If the allegation involves misconduct on the part of a faculty or staff member, the incident will be investigated in accordance with Broward College policy 6Hx2-3.31 – Sexual Harassment, and Sexual Violence. Employees who violate this policy are subject to discipline up to and including termination.

If the allegation involves misconduct on the part of a student, the incident will be investigated in accordance with Broward College Policy 6Hx2-5.02 – Student Code of Conduct. Students who violate this policy are subject to discipline up to and including expulsion from the College.

In all instances, regardless of the status of the alleged perpetrator (student, staff, or a person not affiliated with the College), the dean of students or designee will provide prompt and ongoing support to the student complainant in accordance with College procedures A6Hx2-5.39 – Sexual Misconduct and A6Hx2-5.02 – Student Code of Conduct, and College Policy 6Hx2-5.32 – Student Assistance Program.

Definitions
Consent – an affirmative indication of a voluntary agreement to engage in the particular sexual act or conduct in question. Consent cannot be obtained through coercion, force, threat, or intimidation. Consent cannot be given by someone who is not able to effectively communicate or to understand the nature of the conduct being engaged in, or is otherwise incapacitated as a result of having consumed drugs or alcohol, or for any other reason. Silence or absence of resistance on the part of an individual does not imply consent. Past consent does not imply future consent. Consent to engage in sexual activity with one person does not imply consent to engage in sexual activity with another. Consent can be withdrawn at any time, even during sexual interactions. Consent to one form of sexual activity does not imply consent to other forms of sexual activity, or as further defined in Florida Statutes.

Dating Violence – violence committed by a person who is or has been in a social relationship of a romantic or intimate nature with the victim. The existence of such a relationship would be determined based on the reporting party's statement and with consideration of the length of the relationship, the type of relationship, and the frequency of interaction between the persons involved in the relationship. For the purposes of this definition, dating violence would include, but would not

be limited to, sexual or physical abuse or the threat of such abuse, or as further defined in Florida Statutes.

Domestic Violence – a felony or misdemeanor crime of violence committed by a current or former spouse or intimate partner of the victim, by a person with whom the victim shares a child in common, by a person who is cohabitating with or has cohabitated with the victim as a spouse, by a person similarly situated to a spouse of the victim under applicable domestic or family violence laws, or by any other person against an adult or youth victim who is protected from that person's acts under applicable domestic or family violence laws, or as further defined in Florida Statutes.

Responsible Employee – All Broward College full-time staff are designated as Responsible Employees in accordance with Title IX. Additionally, the following categories of part-time staff are also Responsible Employees: Part-time instructional faculty, athletic coaches, and security personnel.

Retaliatory Action - any material adverse action taken against the person who makes or supports a complaint of sexual misconduct.

Sexual Harassment - any unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature which (1) makes submissions to or rejection of such conduct either an explicit or implicit basis for admissions and/or academic decisions affecting the individual or (2) unreasonably interferes with the individual's education or academic performance by creating an intimidating, hostile, or offensive environment. Conduct that falls into the definition of sexual harassment includes, but is not limited to:

- Unwelcome physical contact of a sexual nature such as patting, pinching, or unnecessary touching.
- Overt or implied threats against an individual to induce him/her to perform sexual favors or to engage in an unwelcome sexual relationship.
- Verbal innuendos or jokes of a sexual nature, including graphic or degrading verbal comments about an individual and/or his or her appearance.
- Use of sexually suggestive terms or gestures to describe a person's body, clothing, or sexual activities.
- Displaying or posting offensive sexually suggestive pictures or materials on campus.

Sexual misconduct – for the purposes of this policy, sexual misconduct serves as an umbrella term, which includes, but is not limited to, the various offenses defined in this policy.

Sexual violence – Sexual violence refers to physical sexual acts perpetrated against a person's will or where a person is incapable of giving consent (*e.g.*, due to the student's age or use of drugs or alcohol, or because an intellectual or other disability prevents the student from having the capacity to give consent). A number of different acts fall into the category of sexual violence, including rape, sexual assault, sexual battery, sexual abuse, and sexual coercion.

Stalking – conduct directed at a specific person that would cause a reasonable person to fear for his or her safety or the safety of others, or suffer substantial emotional distress.

Student Sexual Misconduct Procedure
Broward College Procedure A6Hx2-5.39

Reporting an Allegation of Sexual Misconduct
Students who believe they have been subject to sexual misconduct on College property, at a College sponsored event, or by any member of the College community regardless of location are encouraged to report the incident to the Dean of Students or designee on the campus, and if applicable, law enforcement entities.

The Dean of Students will, in collaboration with the College's Title IX Coordinator, provide prompt and ongoing support to the student including, but not limited to, assisting the student with notifying law enforcement, recommending appropriate community support, recommending options for counseling, assisting with modifications to class schedules, locations, and other academic support as may be needed, and assisting with initiating a College complaint and investigation against the referred student in accordance with appropriate College policy and procedure.
The Dean of Students may additionally levy sanctions against the referred student in accordance with College Policy and Procedure 6Hx2-5.02 – Student Code of Conduct and may take other actions as needed to safeguard the complainant and the College community.

In addition to the Dean of Students, a student may report an allegation of sexual misconduct to any College "Responsible

Employee" as defined in College Policy 6Hx2-5.39 – Sexual Misconduct. Within 24 hours of the report, a Responsible Employee is obligated to make reasonable attempts to notify the College's Title IX Coordinator and appropriate Dean of Students of the specifics of the allegation. *A responsible employee must report all relevant details about the alleged incident shared by the reporting party – including the names of the reporting party, the alleged perpetrator(s), any witnesses, and any other relevant information, including the date, time, and specific location of the alleged incident. If the reporting party wants to tell the Responsible Employee what happened but also wants the College to maintain confidentiality, the Responsible Employee should tell the reporting party that the College will consider the request but that s/he cannot guarantee the College will be able to honor it.*

Students are encouraged to report incidents of sexual misconduct to appropriate law enforcement entities and the College will assist the complainant in making such notifications and will, to the extent allowed by law, respect a complainant's right to not notify law enforcement authorities. While the College is not responsible for the response or outcome of law enforcement actions, the College maintains an obligation to timely investigate and respond to sexual misconduct allegations regardless of the timing, scope, and outcome of law enforcement actions. The College may honor law enforcement requests relating to the interviewing of complainants, referred students, and witnesses based on possible impact to a criminal investigation.

SAFETY AND SUPPORT FOR STUDENT COMPLAINANTS

The College will take immediate interim steps to protect the complainant and other impacted members of the College community pending the final outcome of the investigation. Interim measures are available to address safety as well as any hostile education environment resulting from the alleged misconduct. These measures include, but are not limited to, changing an employee's or student's work schedule, altering the complainant's or referred student's course schedule or campus, allowing the withdrawal or retake of classes without penalty, academic support such as tutoring, student affairs support such as assistance with financial aid issues, visa and immigration assistance, and the issuance of no-contact orders, assisting the student in notifying law-enforcement, recommending appropriate community support, recommending options for counseling, and assisting the student with initiating a College complaint and investigation regarding the allegation in accordance with applicable College policies. Interim measures are temporary and may be removed, enhanced, or otherwise altered upon final determination of the issue.

In instances where the referred person is not affiliated with the College, the College will take reasonable and appropriate steps to cooperate with other entities, including, but not limited to other colleges, community entities, and law enforcement, to ensure that the complainant is afforded the right to an education at the College free from sexual misconduct.

INVESTIGATIONS OF ALLEGATIONS OF SEXUAL MISCONDUCT

If the allegation involves misconduct on the part of a faculty or staff member, the incident will be investigated in accordance with College Policy 6Hx2-3.31 – Sexual Harassment, and Sexual Misconduct.

If the allegation involves misconduct on the part of a student, the incident will be investigated in accordance with College Policy 6Hx2-5.02 – Student Code of Conduct.

In all instances, regardless of the status of the referred person (student, faculty, staff, or a person not affiliated with the College), the Dean of Students or designee will provide prompt and ongoing support to the student complainant in accordance with this procedure, as well as College Procedure A6Hx2-5.02 – Student Code of Conduct, and College Policy 6Hx2-5.32 – Student Assistance Program.

CONFIDENTIALITY OF STUDENT COMPLAINTS

The Title IX coordinator will consider requests for confidentiality. If the complainant wants to reveal an allegation of sexual misconduct to the Dean of Students or any Responsible Employee, but also wants the College to maintain confidentiality, the student should be aware that the College will consider the request, but cannot guarantee that the College will be able to honor it, and the complaint will be reported to the Title IX Coordinator and Dean of Students and an investigation will be initiated. If the College does honor a student's request for confidentiality, the student must understand the College's ability to investigate and issue sanctions will be severely limited. Additionally, if the College believes that the reported incident poses a continuing threat to other persons, or if mandatory reporting is required, the College may not be able to honor the request for confidentiality.

The College does not directly employ staff who can provide students complete confidentiality in regards to complaints of sexual misconduct (sometimes known as "privileged communications," provided by pastoral counselors and mental health

professionals). However, the College may have a relationship with an off campus organization to provide mental health counseling, in accordance with College Policy 6Hx2-5.32 – Student Assistance Program, and the student would be eligible to engage in privileged communication in that venue. Complainants should note that even privileged communication is limited by laws governing mandatory reporting of certain crimes.

Substance Abuse Policy
Broward College Policy 6Hx2-5.18

Broward College (the College) recognizes the health risks and costs associated with the use of illicit drugs and the abuse of alcohol, and is committed to providing a drug-free and alcohol-free educational environment, which supports the mission of the College.

In accordance with applicable Federal and State laws, students may not be impaired by alcohol or drugs or in possession of illegal drugs or alcohol while on College property or while participating in a College sanctioned activity. Students whose behavior is impaired by legal drugs are also subject to this policy.

As specified in the Program Guidelines for certain programs at the College, students and applicants to the College may be subject to a drug screening prior to, or if circumstances warrant, during the time of their enrollment at the College. Students will incur the costs of such screenings.

Students found in violation of this policy are subject to discipline in accordance with Broward College Policy 6Hx2-5.2– Student Code of Conduct, up to and including expulsion from the College. If a student is required to submit to a drug screening by the dean of students based on behaviors that indicate the use of drugs or alcohol which impairs their ability to perform in their academic program, refusal to submit to such a drug screening will be treated as a positive test result. The College retains the right to dismiss a student from the College or from a specific program, in accordance with the Program Guidelines for that program.

Students with Human Immunodeficiency Virus (HIV) and Acquired Immune Deficiency Syndrome (AIDS) Policy
Broward College Policy 6Hx2-5.16

Broward College recognizes the serious adverse societal and educational impact associated with the Human Immunodeficiency Virus (HIV), and Acquired Immune Deficiency syndrome (AIDS).

In accordance with Florida Statute 1006.68, the student life offices on the campuses and centers shall implement a program that addresses the provision of instruction, information, and activities regarding human immunodeficiency virus infection and acquired immune deficiency syndrome. Such instruction, information, or activities shall emphasize the known modes of transmission of human immunodeficiency virus infection and acquired immune deficiency syndrome, signs and symptoms, associated risk factors, appropriate behavior and attitude change, and means used to control the spread of human immunodeficiency virus infection and acquired immune deficiency syndrome.

Meningitis and Hepatitis B Statement
Florida Statute, Section 1006.69

Florida Statute 1006.69 requires that Broward College provide information to all enrolled students on the risks associated with Meningitis and Hepatitis B. Information regarding Meningitis and Hepatitis B is available at the following websites from the Centers for Disease Control:
Meningitis: http://www.cdc.gov/meningitis/index.html
Hepatitis B: http://www.cdc.gov/hepatitis

Student Financial Aid

Consumer Information
The Higher Education Opportunity Act of 1965 revised 2008 (HEOA) requires postsecondary institutions participating in federal student aid programs disclose information from various administrative areas to students. This information may

be viewed online at the following address in compliance with federal law:
http://www.broward.edu/studentresources/rights-and-responsibilities/Pages/student-handbook.aspx

General Information

The goal of the Broward College Student Financial Aid Office is to assist students who can benefit from further education, but cannot afford to attend school without financial support. Financial Aid is available to all students who complete the Free Application for Federal Student Aid (FAFSA) and who qualify. FAFSA instructions to complete on the web may be obtained in the Financial Services Department or going to www.fafsa.ed.gov. The Broward College School Code is 001500. The Student Financial Aid Office provides information and assistance to students who seek to apply and use financial aid to support their enrollment at Broward College. From application to awarding, the Student Financial Aid Office ensures compliance with applicable laws, regulations and policies that govern federal, state, institutional, and foundation programs.

General Eligibility Rules

The amount of aid a student receives at Broward College is based on cost of attendance, Expected Family Contribution (EFC), enrollment status (full time, 3/4 time, 1/2 time, less than half time) and length of attendance within an academic year.

TYPES OF AID

Aid can be in the form of grants, scholarships (need or merit) and student loans. Examples of aid are as follows:

Grants

- Pell – Federal need-based
- Federal Supplemental Educational Opportunity Grant
- Florida Student Assistance Grant – State Need-based
- First Generation Matching Grant
- Achieving Success Grant
- Opportunity Grant

Work-Study Programs

- Work study - Federal and State need-based Veterans (VA) Benefits
- Veterans Work study (VA) - VA determined
- Active Duty Personnel - Eligible in-service military personnel

Scholarships

- Foundation - Need and merit-based
- Institutional - Need and merit-based
- State - State merit-based

Loans

- Federal Direct Subsidized - need based
- Federal Direct Unsubsidized - not need based; but based on school specific eligibility requirements.
- Plus Loan for Parents
- Private Loans

Veteran Affairs

- Various GI Bills based on service
- Active Duty Personnel (eligible in service military personnel)

STUDENT INITIAL ELIGIBILITY REQUIREMENTS

Federal financial aid is not available to international students unless they are eligible non- citizens. Eligible non-citizens must provide current documentation of immigration status prior to applying for financial aid. To be eligible to receive most need-based aid, students must meet the following requirements:

- Demonstrate financial need
- Enroll in an eligible program
- Be a United States citizen or eligible non-citizen

- Have a valid social security number
- Maintain satisfactory academic progress
- Comply with requirements of the Anti-Drug Abuse Act
- Not be in default on a Federal Perkins Loan (or National Direct Student Loan), Federal Stafford Loan or Federal PLUS Loan
- Not owe a refund on a Federal Pell Grant or Federal Supplemental Educational Opportunity Grant (FSEOG)

Program Objective Enrollment Compliance (POEC)
Federal Aid only covers classes that pass the Program Objective Enrollment Compliance (POEC) review. Those classes that are necessary for completion of your declared degree are deemed 'compliant'. Classes which are identified as not required for degree completion will be flagged 'non-compliant' and will be excluded from federal aid coverage i.e. any coursework that is not recognized, as being required will be excluded when calculating eligibility for Title IV funds (Pell Grant, Direct Subsidized Loans, Direct Unsubsidized Loans, etc.) If excess aid does not exist, the student is responsible for the difference.

FINANCIAL AID PROCEDURES
Students who seek financial assistance must complete a Free Application for Federal Student Aid (FAFSA). Many funds are limited and are awarded on a first come, first served basis to students who have the greatest need. After the FAFSA is processed, Broward College receives an electronic Institutional Student Information Record (ISIR). After receipt of the ISIR an analysis is completed to determine the amount a family is expected to contribute to educational costs as well as the amount of financial aid a student can expect to receive. Results of this analysis display on MyBC for the student to review.

If verification is required, the student, spouse, and/or parents (whichever is applicable) must provide requested documentation. Students are not awarded until all verification documents are submitted, any conflicting information resolved, documents evaluated, and corrections made to the ISIR if applicable. Any corrected information to the ISIR must be reviewed and cleared before verification becomes complete and the student awarded.

The student can sign on to the MyBC website to monitor the progress of their financial aid application/award. The information on the site will indicate the type of award, the academic period for which it is awarded, any conditions or responsibilities of the student to receive the award, and for loans, the borrower is required to sign a Master Promissory Note (MPN) and complete Entrance Counseling before releasing a disbursement to the student.

Maintaining Financial Aid Eligibility

Federal guidelines require that students remain eligible for financial aid throughout their enrollment in a post-secondary degree program. There are several factors that determine whether a student can continue to receive Federal student aid. Broward College reviews standards of academic progress on a term by term basis.

Academic Progress for Student Aid
All students (including veterans) must make satisfactory academic progress in order to maintain financial aid eligibility. Academic progress is calculated after each term. In order to be considered as having 'passed' i.e. met standards, a student must:

- Maintain at least a 2.0 GPA
- Be on track to complete their degree requirements within 150 percent of the required number of credit hours for the program. For example, if a program requires 60 credit hours, the student must complete the degree requirements within 90 credit hours (150 percent).
- Be at a 67 percent completion rate or higher for college-level coursework attempted.

Qualitative Standard-GPA
Students must maintain at least a 2.0 cumulative Financial Aid grade point average (GPA) in order to remain eligible for FSA funds.

The Financial Aid GPA includes:

- All remedial courses taken at Broward College.
- The most recent grade for repeated courses.
- Transfer credits are not included in the GPA calculation unless those courses are applicable to the program of study.
- Only courses with a grade of A, B, C, D, or F are included in the GPA calculation. Therefore, courses that are designated as Incomplete (I), Withdrawn (W, WN, XW), Audited (X, XC), Non-Credit (NC), or have no grade assigned (NG, NR) are not included in the GPA calculation.

Quantitative Standard – Pace
There are two quantitative SAP measures. The first measure is known as "Pace". Pace is measured by the result of the division of the cumulative number of hours the student has successfully completed by the cumulative number of hours the student attempted. For programs measured in clock-hours, Pace is evaluated using the cumulative clock-hours required to be completed, as expressed in calendar time. Remedial courses are not included in the SAP quantitative measures. All students must have completed a minimum of 67% of credit hours attempted in order to graduate within 150% of the normal timeframe.

The following are included in the Pace calculation:

- For courses that are repeated for grade forgiveness, only the most recent earned hours are included in the numerator; however, all attempted hours are included in the denominator. Therefore, repeating courses, even successfully, will be detrimental to the calculation of Pace.
- For courses that the student attempts and officially or unofficially withdraws from after the drop/add period, the hours attempted will count in the denominator of the calculation with no earned hours in the numerator. This will negatively affect the Pace measure.
- For courses with an enrollment status of incomplete, the course will count as attempted and unearned hours until such time as the faculty member and registrar process the final grade.

Quantitative Standard-Time to Complete
The second quantitative measure of Satisfactory Academic Progress (SAP) is the "Time to Complete". A student is only eligible to receive financial aid for credit hours or clock hours that do not exceed 150% of the published program hours. For example, a degree program of 60 credit hours must be completed within (60*1.5) 90 credit hours maximum; and a program of 900 clock hours must be completed within (900*1.5) 1,350 clock hours.

Federal regulation requires that a student become ineligible for aid at the time at which it is mathematically impossible to complete within the 150% maximum timeframe. Therefore, when a student is evaluated, the student could fail the "Time to Complete" measure even though the student has attempted less than the 150% maximum attempted hours. For example, if student admitted and enrolled in a financial aid eligible program of published length of 60 credit hours has attempted 80 credit hours, but needs 21 more credit hours to satisfy all degree requirements, the student will fail SAP for "Time to Complete" even though the student has not reached the 90 credit hour maximum. Remedial courses are not included in the SAP quantitative measures.

The following are included in the "Time to Complete" calculation:

- For courses that are repeated for grade forgiveness, all attempted hours are included. Therefore, repeating courses, even successfully, will be detrimental to the completion of the program within the maximum "Time to Complete".

- For courses that the student attempts and officially or unofficially withdraws from after the official college drop/add period, the hours attempted will be used in the "Time to Complete" calculation. This will negatively affect the student's ability to complete their degree within the maximum timeframe.
- For courses with an enrollment status of incomplete, the course will count as hours attempted, but unearned, until such time as the course is successfully completed.

Warning Status

In a term in which the student fails SAP; and the term of failure follows a term in which the student had passed SAP, or this is the first SAP evaluation of the student, the student will be placed on a "Warning Status". The student may receive Federal financial aid funds for the one term that the student is placed on a Warning Status. The Warning Status is assigned to a student who meets the conditions for such assignment without need for appeal or other action by the student.

The student may only be on a Warning Status for one term subsequent to a term in which SAP measures were not met; however, the student may experience more than one Warning Status over the lifetime of enrollment, just not for consecutive terms.

At the end of the Warning term, if the student is meeting all SAP requirements, then the student may continue to receive Federal financial aid funds. If the student fails to meet SAP requirements for two (2) consecutive terms, the student loses eligibility for Federal financial aid funds until they regain compliance with the standards.

Students who are identified as being on a Warning Status should meet with an academic advisor to obtain guidance regarding the courses and grades needed to regain compliance with SAP standards. Meeting with an advisor and/or completing an academic plan does not guarantee financial aid eligibility. Students must still meet all SAP requirements.

Probationary Status

A student that has a Warning Status and subsequently fails SAP, may be eligible to file an appeal. A successful appeal will result in a Probationary status. The probationary status is only applied for one term; and requires the development of an academic success plan with an academic advisor. At the end of the one term of probationary status, the student will be evaluated, consistent with the evaluation of all students. At that time, the student must either meet all SAP measures, or fully meet all of the requirements of the established academic success plan to continue to receive aid.

Reinstatement of Financial Aid Eligibility

Students regain their financial aid eligibility when their progress demonstrates passing of ALL standards of progress. Specific guidance is outlined in College procedure 5.11A. Students who have met all standards of SAP after losing eligibility will have eligibility reinstated for the next academic term. The Office of Student Financial Aid notifies students via email communication, to the student's Broward College email address, of their Federal Student Aid Warning, Probation and/or Ineligible status; and via the student portal, MyBC.

Developmental Education Coursework

Federal regulations allow financial aid to cover up to 30 remedial/developmental credits (equivalent to one academic year) for any student. If a student is enrolled in classes and has already taken 30 credits of remediation, financial aid will not pay for additional remedial classes. This does not include credits taken for ESL courses. Financial aid only covers credit courses that are required for degree completion. Non-credit courses that do not apply toward the student's degree program and/or courses taken for audit cannot be paid by federal student aid.

Types of Financial Aid Grants

Grants are funded by federal or state programs and do not require repayment. Grants are awarded to students who demonstrate exceptional financial need.

- Pell Grant - Eligibility is determined by the federal government and is based on several factors including household size, income and number of family members in college.

- Federal Supplemental Educational Opportunity Grant - Additional grant assistance for exceptionally needy students who are Pell eligible and apply early.
- Florida Student Assistance Grant - State grant awarded to students with demonstrated financial need. Because funding is limited, students must complete the application process early. First Generation Matching Grant
- Achieving Success Grant
- Opportunity Grant

Scholarships

Scholarships are generally funded by Broward College, the Broward College Foundation private donors or organizations. Scholarships are awarded to students based on criteria/ such as merit, financial need, athletics , and degree choice; Scholarships do not require repayment The matches scholarship to students based on eligibility and availability of funds. Scholarship funding is limited and completion of the application does not guarantee an award. Scholarships are based on the availability of funds and cannot be guaranteed.

In order to be considered for a scholarship, students must:

- Complete a Free Application for Federal Student Aid (FAFSA). (International students are not required to complete the FAFSA.)
- Have a complete financial aid file
- Be admitted in a degree or certificate program of study.
- Complete the online scholarship application.
- Have at least a 2.0 cumulative GPA.
- Meet Standards of Academic Progress (SAP).

Florida Bright Futures

Florida Bright Futures Scholarship Program was created to establish a lottery-funded scholarship program to reward any Florida high school graduate who merits recognition for high academic achievement. Students must meet initial eligibility requirements while in high school, and apply for the scholarship during their final (senior) year. The high school graduate must enroll in a degree program, certificate program, or applied technology program at an eligible Florida public or private postsecondary education institution. In addition, the student must be enrolled in at least 6 non-remedial credit hours (or the equivalent in clock hours) per term. Students who receive Florida Bright Futures awards must maintain eligibility for renewal and comply with the State of Florida renewal guidelines. The renewal guidelines can be found by visiting www.floridastudentfinancialaid.org/SSFAD/bf/renewpg.htm

Federal Student Loans

Federal student loans are a part of a student's financial aid package. Loans should be taken as a last resort, and if taken must be repaid with interest in a specific time period after a period of non-enrollment.

Repayment may be deferred while students are attending classes at least half-time. Students whose enrollment changes to less than half-time status, cannot receive additional student loans, and must begin repayment within 6 months.

Direct Loan Application Process

Once a student is awarded a Direct Subsidized Loan, the student has the option to reduce or accept the loan amount online. Students who fall into one of the approved categories for an unsubsidized loan will need to submit a Loan Request Form. Students will be required to log onto www.studentloans.gov to complete the Entrance Counseling and a Master Promissory Note (MPN).

Federal Student Loan Requirements

Loan funds cannot be disbursed unless the Master Promissory Note (MPN) and Entrance Counseling are completed.

Types of Loans

- Federal student loans are need and non-need based.

- Direct Subsidized Loans
    - Based on financial need. The federal government pays the interest on the loans while students are in school at least half-time, during grace periods, and during authorized periods of deferment.
- Direct Unsubsidized Loans
    - Not based on financial need. Students are responsible for the interest that accrues from the date of the first disbursement forward. Interest can be paid while students are in school or it can be postponed until repayment. Postponing interest means the interest will be capitalized or added to the principal amount, increasing the balance on which interest accrues daily. Broward College has been approved to limit eligibility for unsubsidized loans. Students may refer to the College website www.broward.edu for more information related to the guidelines relative to awarding of unsubsidized loans.
- Direct PLUS
    - Loans that are available to parents of dependent students. Parents must meet all federal government requirements, and may be eligible to borrow up to the total cost of attendance less all financial aid received. Parents begin repayment 30 days after the final disbursement for the academic year. The PLUS loan is based on a ten-year repayment plan with no prepayment penalties..

Visit www.studentloans.gov for additional information.

Federal Work-Study Program

Work-Study programs allow students to work either on or off campus to help defray their educational expenses. Depending on eligibility, and the needs of their employee, students can work up to 25 hours per week. Interested students can contact the Financial Aid Work-Study mailbox at faworkstudy@broward.edu in order to determine eligibility. Student must elect interest of the program on their FAFSA

Students can research job openings on the web at: www.broward.edu/financialaid/Pages/Work-Study.aspx Funds are limited and awards are made to eligible students who complete their financial aid file early. Students must also complete an employment packet prior to beginning employment.

America Reads/Counts

The America READS program is funded through the Federal Work-Study Program as described above. It offers students an opportunity to tutor reading and math in local elementary and middle schools. Students may work up to 25 hours per week and a security clearance is required.

State Work Study Program

The Florida Work Experience Program (FWEP) is a state program that provides eligible students who are Florida residents an opportunity to work in the public school system as teacher aides or tutors. Funds are limited.

VA Work Study

VA Work Study is available to veterans who are enrolled in at least three quarter time (9-11 credits) enrollment. Students can work up to 25 hours per week and are paid directly by the Veterans Administration. Students who are interested in a VA Work-Study position, must contact the Veterans Coordinator by email at veterans@broward.edu with the subject heading “Veterans Work-Study”. Veterans staff members will contact the student to discuss availability

Enrollment Verification

Before aid can be released to the College to cover tuition and any excess refunded to students, attendance in all enrolled classes must be verified by the faculty. After the term begins, faculty continues to monitor attendance and class participation. At any point, a student ceases to meet the guidelines for the course relative to participation and physical presence, the faculty may unofficially withdraw students from classes. Any changes in the enrollment status will cause a change in the aid awarded to students. Any type of withdrawal either student or faculty initiated up to the 60% point of the term will impact students’ financial aid awards for the term.

Return of Title IV Funds

This policy governs all Title IV funds including Federal Pell Grant, Federal Supplemental Education Opportunity Grant, and Federal Direct Subsidized and Unsubsidized loans. Title IV funds are awarded to a student under the assumption that the student will attend school for the entire payment period or period of enrollment.

If a student completes 60 percent or more of a term/payment period, the student earns all eligible aid during that term/ payment period, and a Return to Title IV calculation is not required. If a student unofficially withdraws before 60 percent of the term/payment period, and fails to earn a passing grade in at least one course offered over an entire period, then that student is considered to have unofficially withdrawn. If a student officially withdraws, then this institution will use that date to determine the refund calculation and the amount of aid earned. If the student is considered to unofficially withdraw from the term/payment period, then this institution will use the midpoint of the term/payment period to determine the amount of aid earned.

Withdrawing could result in a debt to the school, the federal government, or both.

Seahawk Print (Pay-For-Print)

Broward College provides multi-function devices at each location as a service to students, faculty, and staff. These devices can be used for printing, copying, and scanning to support learning. A nominal fee is charged for printing and copying – scanning to e-mail services are free of charge. The fee is under the rates of commercially available copy centers. The system requires payment by credit card (credit capable debit cards are also accepted). If you do not have a credit/debit card (not an ATM only card), a credit card is available for purchase at the bookstore. We are working to provide an alternate payment method for those that may need it. For Seahawk Print Locations go to http://www.broward.edu/studentresources/pay-for-print/Pages/default.aspx.

Student Tuition and Fees

The Board of Trustees approved an increase to tuition and fees for the 2015-2016 academic year. The charts below provide the approved tuition and fees, effective 2017-2018.

A&P, PSV, College Prep and EPI

In-State Resident*	On Campus	Online
Tuition Fee	$82.00	$82.00
Distance Learning Fee		$9.00
Student Activities Fee	$8.20	$8.20
Student Financial Aid Fee	$4.10	$4.10
Capital Improvement Fee	$13.50	$13.50
Technology Fee	$4.10	$4.10
Parking & Trans. Access Fee	$4.00	

Total (per credit hour)	**$115.90**	**$120.90**

Out-of-State Non-Resident	**On Campus**	**Online**
Tuition Fee	$82.00	$82.00
Out-of-State Fee	$226.40	
Differential Tuition Fee		$75.60
Distance Learning Fee		$9.00
Student Activities Fee	$8.20	$8.20
Student Financial Aid Fee	$15.40	$15.40
Capital Improvement Fee	$19.60	$19.60
Technology Fee	$15.40	$15.40
Parking & Trans. Access Fee	$4.00	
Total (per credit hour)	**$371.00**	**$225.20**

Baccalaureate Programs

In-State Resident*	On Campus	Online
Tuition Fee	$91.79	$91.79
Distance Learning Fee		$9.00
Student Activities Fee	$9.18	$9.18
Student Financial Aid Fee	$4.59	$4.59
Capital Improvement Fee	$14.74	$14.74
Technology Fee	$4.59	$4.59
Parking & Trans. Access Fee	$4.00	
Total (per credit hour)	**$128.89**	**$133.89**

Out-of-State Non-Resident	On Campus	Online
Tuition Fee	$91.79	$91.79
Out-of State Fee	$384.72	$384.72
Distance Learning Fee		9.00
Student Activities Fee	$9.18	$9.18
Student Financial Aid Fee	$23.83	$23.83
Capital Improvement Fee	$50.10	$50.10
Technology Fee	$23.83	$23.83
Parking & Trans. Access Fee	$4.00	
Total (per credit hour)	**$587.45**	**$592.45**

Vocational Certificate Programs - PSAV

	In-State Resident*	Out-of-State Non-Resident
Tuition Fee	$73.40	$73.40
Out-of-State Fee		$209.75
Capital Improvement Fee	$3.65	$14.15
Student Financial Aid Fee	$3.65	$14.15
Technology Fee	$3.65	$14.15
Total (per credit hour)	**$84.35**	**$325.60**

Supplemental - Continuing Workforce Education

In-State and Out-Of-State	Amount
Tuition Fee	$96.75
Technology Fee	$4.85
Total (per credit hour)	**$101.60**

*Resident status, for tuition purposes, is defined by Florida Statutes 1009.21, and determined by the Registrar's Office upon admission to the College. Students who qualify for a new resident status can apply for a change prior to the first day of the term.

Tuitions and fees rates are subject to change as approved by the Broward College District Board of Trustees.

NOTE: Additional special fees are charged for some courses and laboratories. Special fees are shown with individual course information in the College catalog.

Health Science students: There are additional costs related to the Health Science programs which include but are not limited to the cost of medical/physical examinations, liability insurance, a background check, a drug screening test, uniform purchases, etc. Please check with the specific Health Science program for a more detailed list of additional costs.

The College, through Continuing Education and other academic departments, offers noncredit courses, seminars and workshops designed to meet the needs of citizens of all ages who reside in Broward County. Special brochures and bulletins are developed and distributed covering the specifics of each course. These documents become supplements to the official catalog and contain special fees and special charges associated with each course. These fees are due and payable according to the terms indicated within those documents.

Academic Transcript Fee

Students may order official academic transcripts online through their myBC account. Students who request an official transcript are assess a $5 fee for each transcript.

Duplicate Diploma Fee

Upon completion of degree requirements, students are issued a diploma. Students who request a duplicate diploma are assessed a $10 fee for each duplicate diploma.

Parking and Transportation Access Fee
All students will be assessed a parking and transportation access fee as part of their schedule which will allow them to receive a parking decal for use at any BC campus or center for the term paid. The exceptions include:

- Students who only attend the Miramar Town, Weston or Pines centers;
- Students taking only non-credit classes at the Willis Holcombe Center;
- Institute of Public Safety Trust Fund Students;
- Students in Continuing Education Vocational Certificate, and Continuing Workforce Education classes;
- Health Science students who receive their training at a hospital;
- PTA students at Edison State Community College;

- Students who receive the following 100% fee exemptions are eligible to receive a parking decal (Foster Child, High School Dual enrollee, Early Admission, Child of Deceased Fire Fighter, Homeless, India Program, Singapore Program, Child of Deceased Law Enforcement Personnel). These students are eligible to receive a parking decal.

If a student can demonstrate that he/she does not use Broward College facilities at any campus or center, and does not fall into any of the categories above, a Parking and Transportation Access Fee Appeals Form must be submitted to any Campus Safety Office. The appeal form will be reviewed and, if approved, the Parking and Transportation Access fee will be exempted from the registration fees. The student will not be eligible for a parking decal. The deadline for submitting the appeal form is the last day for a 100% refund date. If there are any questions, please contact a campus Safety Office.

Fee Payment Information

Fees must be paid by the assigned fee payment due date. At the time of class payment, the student will be required to pay any obligations (such as library fines and parking fines) or receivables in full. Payment can be made with cash, credit card (VISA, MasterCard, Discover, and American Express), debit card, and check or money order made payable to Broward College.

There are three ways to remit payment:

1. By credit card on the web;
2. By check or money order mailed to:

   North Campus Cashier's Office

   1000 Coconut Creek Blvd. Coconut Creek, FL 33066

3. By cash, check, money order, debit card, or credit card in person at a campus Cashier's Office. The authorized user must be present for credit card and debit card payments.

Detailed instructions are available on www.broward.edu. Checks or money orders for payment of student fees must be made payable to Broward College and include the student's identification number. Eligible checks maybe converted to electronic debit transactions. Checks and money orders must be drawn on a U.S. bank in U.S. ($) dollars. Payments in non-U.S. funds and drawn on non-U.S. banks will be returned unprocessed. Counter (starter) checks are not accepted.

Tuition Payment Plan

Broward College has partnered with Nelnet Business Solutions to offer a tuition installment plan to help students afford the cost of their education. Students may enroll in a tuition payment plan for any term at BC, however, a new plan is required each term. Plans range from a zero to 50% down payment with 2 to 4 monthly payments automatically processed on the 20th of each month. There are no credit checks or interest charges. A nominal non-refundable enrollment fee is due at the time of enrollment in the tuition payment plan, $5 of the enrollment fee is being collected on behalf of the institution. Students must be registered for courses and provide a method of payment (credit card or checking/savings account) that will be used for the enrollment fee, down payment and monthly payments.

Enrollment periods are limited and typically close approximately one week prior to the start of Session I each term so enroll early! Simple Steps to Enroll in the Payment Plan:

- Login to myBC at www.broward.edu
- From "My Financials", select "Sign Up Options" then "Tuition Payment Plan" or from "Payment", select "Tuition Payment Plan"

For additional tuition payment plan information or dates and deadlines, please visit the Cashier page.

Payment of Student Accounts Due to the College

In accordance with Florida Statutes, Chapter 1010.03, the College is authorized to restrict the release of transcripts, the awarding of diplomas and access to other resources and services of the College.

When a receivable or obligation balance is due, a financial hold is immediately generated on the student's record. This financial hold may prevent the release of transcripts, diplomas, certificates, and block future registration. The financial hold will remain on the student's record until all debt is paid to the college in full.

If a balance is placed with a third party collection agency, the student is responsible for all collection fees assessed by Broward College up to 33%.

Any debt must be specifically discharged in bankruptcy or the transcript can be held until the debt is paid. Examples of debt that will block registration include, but are not limited to, returned checks and the associated check fees and fines, credit card charge backs, tuition fee deficiencies, financial aid overpayments, bookstore charges, collection fees, and delinquent debt that is written off. Students will not be able to register until the debt is paid in full.

Third-Party Authorization

If all or part of the student's registration fees are being paid by an external agency (employer, a government agency, military tuition assistance, etc.), the student must present the current form of authorization (letter, voucher, etc.) to a campus Cashier's Office by the Fee Payment deadline assigned when courses are registered.

This authorization must be for the current term and must indicate a specific dollar amount for tuition and fees. Students are responsible for paying any remaining balance by the Fee Payment deadline. If the current authorization is not presented, the student's account will not be credited properly and the student's schedule may be deleted.

If the external agency revokes the authorization or subsequently denies payment for tuition and/or fees included on the voucher or authorization letter, the student will be responsible for repayment by the bill due date.

Florida Prepaid Program

Students who are plan participants in good standing may apply their Florida Prepaid coverage via the web. The first time a student logs on each term, a web screen will alert the student that Florida Prepaid coverage is available. From this screen the student may opt to apply Florida Prepaid or continue without applying coverage for the term. The student will receive credit for the maximum amount that can be billed. Florida Prepaid credit is limited to the amount of credit hours remaining on the student's plan. Students are responsible for paying any remaining balance by the fee payment deadline. If for any reason the College is unable to complete the billing process, the credit will be reversed and the student will be billed with an immediate due date. Students who have applied Florida Prepaid via the web but later elect not to use it must call or visit a Campus Cashier's Office to remove the Florida Prepaid coverage.

State Employees Waiver

Full-time employees of the executive, legislative or judicial branch of Florida's government are eligible for a State Employee Waiver. Eligible employees may have tuition and course fees waived for a maximum of 6 credit hours per term and are required to register on a space-available basis as noted in the online Academic Calendar and College catalog. State employees must complete Broward's Application process and pay the $35.00 application fee prior to presenting the State Tuition Waiver request at any campus Registration Office. Following registration in classes, State employees must visit the Campus Cashier's Office to provide the State Tuition Waiver verification to receive the waiver.

Returned Check Policy

A returned check is a check that is not honored when presented for payment, and is returned to the College for insufficient funds, closed account or any other reason. The College does not redeposit paper checks. Check payments converted to electronic debit transactions are redeposited and the maker of the check may incur additional fees associated with the redeposit.

In accordance with Florida Statutes, Chapter 832.07, the College is authorized to bill the individual for the original amount of the check in addition to a check fine and bank fee. If the account remains unpaid, it will be sent to a collection agency. In the event of legal action for recovery, the maker or drawer may be additionally liable for court costs and reasonable attorney fees as prescribed by law.

Students with unpaid returned checks and the associated returned check fees and fines will not be able to register for classes until the debt is paid in full.

Credit Card Chargeback Policy

Dishonored credit card payments will result in the student or individual being obligated and billed for all fees due. The student will be blocked from making future payments by credit card when a chargeback occurs.

Refund of Fees before the 100% refund date

When students drop their courses before the 100% refund date, the College will refund all fees paid, except application fees, before the 100% refund date if student drop their courses. The registration will be cancelled and no academic term record will be created. Refer to College policy and procedure 6x2-6.13 for additional student fee information.

For students who apply for financial aid and have a completed aid package before the 100% refund date, the College will apply tuition and fee "coverage" for the students' schedule even though aid will not be disbursed or refunded until after attendance verification has concluded.

It is the responsibility of the student to drop classes on the Web or through a Registration Office within the 100% refund period. When students remain enrolled in those covered courses and do not withdraw, they will be obligated for the tuition charges for all courses, no refunds will be approved in this circumstance. When course fees are covered with student aid funds, the College must verify attendance in classes before aid can be disbursed to pay tuition and fees. After the attendance verification period concludes and the College determines the students never attended classes (WN), the student will not be obligated for tuition.

Refund Processing

Students who have dropped their courses within the drop period do not have to contact the Cashier's Office to receive a refund. Through an automated process, refunds will be processed approximately two weeks after the final drop/add date, which is generally seven (7) days after the start for each session. Students who are withdrawn from course(s) for disciplinary reasons are not entitled to a refund.

Payments made by credit card will be refunded to the credit card. Payments made by cash, check, money order or debit card will be refunded by paper check. Financial aid cannot be disbursed until participation in all courses can be validated by the instructor. After allowed tuition, fees, and bookstore charges have been deducted, students may receive a refund from their remaining financial aid. Financial aid refunds are issued within 14 days of a credit balance on the student account.

Refund for Continuing Education Courses

A 100% refund for continuing education courses shall occur up to the date of the first class for those classes meeting only once.

Refunds after the 100% Refund Date with Extenuating Circumstances

The academic term record is created after the 100% refund date. The College sets policy and a defined procedure to determine whether tuition and fees deemed as refundable can be refunded after the 100% refund date. The academic record or registration history will not be removed even if the refund is approved based on one of the reasons listed below.

Broward College may accept a petition for refund for non-academic reasons after the 100% refund date. The student must be able to provide clear documentation of an extenuating circumstance that did not allow them to withdraw from their courses prior to the 100% refund date. Circumstances include, but are not limited to, serious illness of self or of an immediate family member (father, mother, spouse, sibling, or child), call to or enlistment in active military duty, death in the immediate family, and other emergency circumstances or extraordinary situations. The College does not cancel registration history, meaning all W withdrawal statuses remain on the record. If the petition is approved, the College will refund a portion of the fees paid. Refer to College policy and procedure 5.23 Cancellations, Withdrawals and Refunds.

Veterans and Active Duty Third-Party Authorization

Veterans and active duty eligible to claim Tuition Assistance will provided tuition fee coverage as determined by the Veterans administration and the Department of Defense for active duty military personnel and covered reservists. Students with Post-9/11 GI Bill Chapter 33 education benefits, the same class(es) may not be paid by both Military Tuition Assistance and Chapter 33 benefits. Military Tuition Assistance may only be used to pay tuition and other costs that are not paid by Chapter 33 benefits first. Veterans GI Bill benefits are processed by the College's Veterans Certifying officer and VA Coordinator located in Student Financial Aid. Eligible Active Duty military personnel must show acceptable proof of active duty status and eligibility for tuition assistance (TA) as authorized by the Department of Defense for all branches of the Armed Services or Homeland Security for the US Coast Guard. These third-party payments are processed through the cashier's office.

Refund of Fees to Veterans, Active Duty and Vocational Rehabilitation Students

Veteran students must adhere to the withdrawal policies as outlined in the college catalog. Students receiving Veterans benefits must complete all coursework each term to avoid being billed for withdrawing or dropping classes. If a veteran student does not attend class after the drop and add period in each session, the student will be withdrawn from classes or receive a failing grade for non-attendance. Withdrawing or dropping courses could result in termination of benefits and/or owing money to VA and Broward College. It is the veteran's responsibility to notify the Veteran Coordinator about withdrawing from any class at any point during the term. Veterans should register only for the courses which can be successfully completed. Dropping courses can affect a student's enrollment and change the award resulting in an overpayment. This overpayment will cause the student to owe money.

Pursuant to Florida State Statute 1004.07 students who are called to or enlist in active military in the United States armed forces service shall be permitted the option of either completing their courses at a later date (receiving an "I" indicating an Incomplete and be required to complete the coursework within the designated period), or canceling their course schedule with a 100% refund in accordance with this policy and procedure. Veterans who receive financial aid must adhere to the withdrawal policies affecting all financial aid students, including the Federal Return of Title IV Funds. This policy applies to any student who officially or unofficially withdraws from all Broward College classes during a term in which the student is receiving any form of Title IV aid. This aid includes the Pell Grant, Supplemental Educational Opportunity Grant, Federal Direct Student Loans; Subsidized and Unsubsidized, and PLUS Loans for Parents.
Each faculty member sets the guidelines for attendance (physical presence) and participation (academic related activities either online or in person), which is outlined in the faculty's syllabus. It is the student's responsibility to attend classes and participate in same through the term. By remaining enrolled in the class, students are agreeing to abide by that attendance policy. Faculty may unofficially withdraw a student or fail a student when absences exceed the attendance policy.

Student Tuition Exemptions

Dual Enrollment/Early Admission

The fee exemption provides awards to public high school students who have completed their junior year, with an overall high school GPA of at least 3.0, and have obtained written recommendation from both their high school principal and guidance counselor. The Early Admission student may apply to the Admissions Office to have all tuition and application fees exempted as well as book charges. The exemption is for a maximum of twenty-four (24) semester hours in accordance with Florida Statute, Chapter 1007.271.

Foster Care Board Exemption

A foster care student may have all matriculation and tuition fees exempted for a maximum of 32 credit hours per year. The exemption is for two years or four semesters, but can be extended for college preparatory courses. The student must apply for financial aid.

Homeless Fee Exemption

Any student who lacks a fixed, regular and adequate nighttime residence or whose primary nighttime residence is a public or private shelter designed for, or not ordinarily used as a regular sleeping accommodation for human beings shall be exempt from tuition and fees (see F.S. 1009.25(2)(e) and Section 239.117, Florida Statutes.

Linkage Institute

According to Florida Statute, Chapter 288.8175, linkage institutes between postsecondary institutions in the state of Florida and foreign countries allow designated foreign students to study in Florida at any State University or College. Students may receive in-state tuition rates enrolling in the Florida-Israel Institute.

Purple Heart/Superior Combat Decorations

According to Florida Senate Bill 122 passed July 1, 2006, state universities and community colleges will waive tuition for recipients of the Purple Heart or other combat decoration superior in precedence who:

- are enrolled as full-time, part-time or summer-school students in an undergraduate program that terminates in a degree or certificate;
- are currently, and were at the time of the military action that resulted in award of the Purple Heart or other combat decoration superior in precedence, a resident of this state; and submit to the state university or the community college the DD-214 form issued at the time of separation from service as documentation that the student has received a Purple Heart or another combat decoration superior in precedence.

Title IX and Sexual Misconduct

Broward College is committed to creating a safe educational environment for all students, faculty, and staff. Sexual misconduct of any kind, including, but not limited to, domestic violence, dating violence, sexual assault, stalking, sexual harassment, or retaliation for reporting such offenses, will not be tolerated. Sexual misconduct also applies in instances where consent cannot be given (e.g. student's age, or use of drugs or alcohol, or other disability). Students are afforded protections from sexual misconduct, and any hostile education environment resulting from such misconduct, regardless of the sex, sexual orientation, or gender identity of either the alleged perpetrator or complainant, including when both are members of the same sex.

Students who believe they are victims of sexual misconduct should contact the dean of student on their campus:

Central	Bldg. 19, Rm. 130	954-201-6522
South	Bldg. 68, Rm. 106	954-201-8903
North	Bldg. 46, Rm. 222	954-201-2301
Online	Bldg. 31, Rm. 601	954-201-7919

Depending on the circumstances, students may also contact Campus Safety at 954-201-4357 (HELP), and/or local law enforcement.

You may also contact the Title IX Coordinator:

Associate Vice President for Student Affairs Broward College
Davie, Florida 33314
954-201-6743
TitleIXCoordinator@broward.edu

For additional information please see the student sexual misconduct website at www.broward.edu/titleix .

Veteran Affairs

Students who have served in the U.S. armed forces may be eligible to receive veterans' educational benefits to assist with educational expenses as well as Title IV aid funds. Veteran's benefits may also extend to a spouse and child dependents of disabled veterans. Veteran's services staff at Broward College act as liaisons between the students and the Veterans

Administration by offering the following:

- Submission of completed forms to the Veterans Administration
- Certification of attendance
- Current news and information

Veterans needing additional assistance with GI BILL education benefits should visit the GI Bill website or call toll free 1-888-GIBILL1 (1-888-442-4551) to speak with a Veteran's Administration Benefits Counselor.

The College has veterans support services on each campus to further assist veterans with their transition to college. Veterans must submit a Veterans Certification Request Form (VCERT) each and every term veteran is enrolled in order to be certified with the Veterans Administration. Broward College has approved programs for veterans training which includes pursuing all degrees as well as some certificate programs. Veterans are encouraged to apply for experiential learning credit for training received in the Armed Forces in order to accelerate their educational goals. The Broward College Admissions Office will grant credit for evaluated military education that has been recommended as suitable for postsecondary credit by the American Council on Education Guide. Veterans requesting experiential learning credit for military training must request an official transcript: JST – Joint Services Transcript- https://jst.doded.mil/smart/dodMandatoryBannerForm/submit.do

Army, Coast Guard, Marine Corps and Navy: Active duty, Reserve and Veterans are eligible for JST transcripts. For more detailed information, see the Credits for Prior Learning section of this catalog. Once official JST military transcript has been received the veteran must meet with an academic advisor and request a review of military training.

Veterans who have submitted a VCERT will be certified by the Broward College Veterans Coordinator. Certification includes attendance as well as academic progress. More detailed information on attendance requirements and other necessary paperwork may be found on the Broward College website. Further, veterans needing additional assistance with GI BILL should visit the GI Bill website or call toll free 1-888-GIBILL1 (1-888-442-4551) to speak with a Veteran's Administration Benefits Counselor.

Veterans Billing Policy

Veterans receiving benefits must complete all coursework each term to avoid being billed for withdrawing or being dropped from classes. If a veteran student does not attend class after the drop and add period in each session, the student will be withdrawn from classes and/or receive a failing grade for non-attendance. Withdrawing from or dropping courses could result in termination of benefits and/or owing money to the VA and Broward College. It is the veteran's responsibility to notify the Veteran Coordinator before withdrawing from any class at any point during the term. Veterans should register only for the courses which can be successfully completed.

Further, Veterans who receive Title IV financial aid must adhere to the withdrawal policies and the Federal Return of Title IV Funds policy.

Active Duty Military

Active duty refers to all personnel serving in a full-time capacity in one of the branches of military service in the United States. Broward College provides active duty students that are serving in the U.S. military, an in-state tuition rate. In order to receive the in-state tuition rate active duty students must submit copies of their military orders to the admissions office.

The College accepts military education benefits for active-duty service members, eligible reservists, of the armed forces. Tuition Assistance (TA) is a military benefit that pays a percentage of cost of tuition and some fees. These programs are administered and sponsored by the veteran's specific branch of military service. To use military tuition assistance at Broward College, active duty/reservist/national guard students must submit to the cashiers office a copy of the tuition assistance voucher or letter specifying what the military will pay and how the College should invoice the military to receive funds.

The students using TA are responsible for obtaining the correct form and submitting it to the Cashier's Office. The Cashier's Office will apply tuition coverage once the voucher is received and classes for the student will not be dropped while BC waits to receive payment from the military.

It is the student's responsibility to notify the military and Broward College's Bursar's office of schedule changes in circumstances where the military TA pays based on the student's scheduled enrollment. Military students must pay any charges not covered by tuition assistance by the College's established due date to avoid late fees and holds for balances due. Military personnel are encouraged to file the FAFSA as well. The use of FAFSA does not affect GIBILL or military TA.

ACADEMIC AFFAIRS

BROWARD COLLEGE
www.broward.edu

2017-2018
COLLEGE CATALOG

Academic Honors

The College recognizes exceptional scholastic achievement at the end of each regular term and posts them to transcripts and grade reports.

The President's List includes the names of students carrying 12 or more college credit semester hours who have a grade point average of 4.0.

The Dean's List includes the names of students carrying 12 or more college credit semester hours who have a grade point average of 3.50 to 3.99.

The Honor Roll includes the names of students carrying 12 or more college credit semester hours who have a grade point average of 3.25 to 3.49.

Academic Load

To be considered full-time, students must carry a minimum load of 12 semester hours per academic term or an equivalent number of clock hours for an educational program using clock hours per the United States Code of Federal Regulations. The maximum load that may normally be carried is 18 credit hours per academic term or an equivalent number of clock hours.

However, students who earn a grade point average of 3.2 or above may carry an extra course, but in no event shall the maximum load exceed 21 credit hours per academic term or an equivalent number of clock hours. The maximum load for a six-week summer session is nine credit hours or an equivalent number of clock hours. The normal load for a six-week summer session is six credit hours or an equivalent number of clock hours, except through a request for an exception by petitioning the Academic Standards Committee.

The Academic Standards Committee makes recommendations to the Vice President for Student Affairs and Enrollment Management who shall make the final determination. Petitions must be received by the College Registrar, at least 5 business days prior to an Academic Standards Committee meeting. If the student must have the hours in order to graduate, a student in the last term of residence prior to graduation may carry an overload even though his/her grade point is not high enough under the above policy. In no event should the student enroll for more than 21 credit hours, except with approval from the Academic Standards Committee review process.

Lower Division: A student who has earned 25 or more semester hours credit is classified as a sophomore. Lower Division coursework is denoted as 1000 and 2000 level.

Upper Division: A student who has earned 61 or more semester hours credit is classified as a junior. A student who has earned 91 or more semester hours credit is classified as a senior. Upper Division coursework is denoted as 3000 and 4000 level.

Transcript Evaluation

Transfer students must provide official transcripts from all previously attended colleges or universities. Prior to the students' term of enrollment, transcripts should be sent to:

Broward College
Registrar's Office
4205 Bonaventure Blvd.
Weston, FL 33332

Students who have completed post-secondary work outside of the United States are required to provide a commercial evaluation of all course work completed.

An official evaluation of credit courses' transferability is made after the student is admitted to the College. All official transcripts from previously attended institutions must be received before an official evaluation is considered complete. Transfer credits may be accepted from regionally accredited colleges or universities and/or from institutions belonging to the Florida State Common Course Numbering System or from out-of-country universities when commercial evaluations of those transcripts are provided. In some instances, transferability of credits is done on a course-by-course analysis.

Upper Division coursework is evaluated for students pursuing Baccalaureate degrees. BC honors 2+2 with Florida Public Colleges and Universities for earned Associate in Arts degrees.

According to the College's transfer credit policy 5.34, previously earned credits may transfer in but may not be accepted for a specific degree program. Grades earned from other colleges are not computed in the cumulative grade point average at BC.

Transfer students who are dismissed from another college or university for any reason will be required to submit a petition and appear before the Academic Standards Committee. Transfer students who have already completed an Associate of Arts or baccalaureate degree at another college or university, cannot enroll in an Associate of Arts degree program at BC.

Academic Standards of Progress

Broward College strives to provide the highest quality of instructional and support services. Students accepted into certificate and degree programs will be continually evaluated to ensure that standards of progress are achieved and to identify and provide assistance to students who experience academic difficulties. BC is committed to providing assistance for all students in order to provide an optimal learning experience so that students will be able to succeed in achieving their educational goals.

College regulations regarding academic standards of progress apply to all degree and certificate students and it aligns to eligibility requirements for continued Federal financial aid (see policy on Student Financial Services Programs 5.11). In determining academic progress, college credit, vocational credit and college preparatory credit are combined in the term and cumulative grade point averages. "Earned Credit" is defined as all courses in which the student receives a grade. Courses taken for audit, courses for which a student receives a refund, and courses in which a student has withdrawn during the withdrawal period will not be included in the determination of academic standing. Refer to Academic Standards of Progress policy 4.23.

Class Attendance Policy

It is the student's responsibility to attend classes to ensure that he/she is properly enrolled. Requirements for class attendance are determined by the instructor and will be outlined in the course syllabus. By staying in the class, students are agreeing to abide by that attendance policy.

If a student does not attend class within two weeks after the drop/add period in each session he/she will be reported as never attended and a WN enrollment status will be recorded for non-attendance. No refund will be granted.

Students will notify instructors in advance of absences(s) to observe a religious holy day(s) in his/her own faith, and shall likewise notify instructors in advance of other absences when practicable under the circumstances.

According to College policy 4.18 and F.S. 1001.64, there shall be no penalty for a student who is absent because of religious holy days, the student's serious illness, a death in the immediate family, or statutory government responsibilities. If a non-penalized absence occurs on the first day of class, the student shall notify the instructor of the reason for his/her absence at the next class meeting. The student shall present documentation for non-penalized absences

should the faculty member request it. Students will be responsible for material covered during an absence. Excessive absences may result in withdrawal from the course by the professor or a failing grade recorded for the course.

Campus/Center Closing

Due to unanticipated circumstances that are beyond anyone's control, or when concerns are raised about the safety and/or security of the students, faculty, staff, and/or facilities, a campus or the College may be closed. For purposes of grading and attendance policies, the day(s) during which the campus/College is closed shall be considered a non-class day(s). When this occurs, each Faculty member shall determine how best to make up the lost class time.

Final Grades and Records

Final grades for each term are retained permanently. Grade point averages for graduation and honors are calculated only on college and vocational level academic work and include work attempted at all colleges.

The following grades are used to calculate the grade point average (GPA): Grade

		Points
A	Excellent	4
B	Good	3
C	Average	2
D	Passing	1
F	Failure	0

The following grades do not affect the GPA:

Grade		Points
I	Incomplete	0
PR	Progressing at a satisfactory pace but has not completed the course	0
W	Official Withdrawal	0
WN	Non-Attendance	0
X	Audit	0
XC	Audit status after drop/add period and prior to audit deadline except on a third attempt	0
XW	Audit Withdrawal	0
NC	Non-credit course	0
NG	No Grade Assigned	0
NR	Grade not received	0
S	Satisfactory	0
U	Unsatisfactory	0

Incomplete Grade - I

An incomplete "I" grade may be given in courses for a student who has a reasonable chance of successfully completing the course. The student who has not completed the required course work by the end of the term may be required to provide documentation for extenuating circumstances. The student should make arrangements to complete the work prior to the end of the next major academic term. Summer terms are not considered in this time limit. If no change is initiated during the next major term, the "I" will automatically become an "F" on the student's permanent record. If the coursework is completed the grade and recalculated GPA will be placed on the student's transcript.

Official Withdrawal - W

Florida State Board of Education requires state colleges to adhere to the following procedures relating to the award of a "W" as a result of a student's withdrawal from a course:

- The student may withdraw without academic penalty from any course by the mid-point of the semester. A "W" will be recorded on the student's permanent record.
- The student will be permitted a maximum of two withdrawals per course.
- Upon the third attempt, the student will not be permitted to withdraw and will receive an A, B, C, D, or F grade for that course.

NOTE: Withdrawals from classes affect the timeframe to complete the program and will impact a student's continued eligibility for Federal Student Aid.

Withdrawal for Non-Attendance – WN

Students must show a definite pattern of attendance and participation during the enrollment verification period during the first two weeks of the term. When students do not adhere to these guidelines, a WN for non-attendance will be recorded during the verification period. No refund will be given.

Audit - X, XC and XW

A student should indicate the desire to audit a course when registering for the class and cannot change from audit to credit after the drop/add period. Up to the end of the withdrawal period, a student may change from credit to audit with the permission of the Faculty member. A student who audits a course must adhere to attendance requirements. No grade will be assigned and no credit will be awarded. An audit will count as an attempt whether or not such enrollment status is declared after the drop/ add period.
The transcript will indicate a course was audited by listing an "X" grade, but an "XW" indicating withdrawal may be given to the student at the discretion of a Faculty member for failure to adhere to attendance or class requirements of the course. A student may take a course previously audited for credit but may not petition for credit on the basis of the previous audit. The cost for auditing a course is the same as taking it for credit. A department may exclude a course from audit status. College preparatory students, who are required to be certified as completing competency-based college preparatory instruction, may not be enrolled as audit students.

Non-credit Course – NC

The "NC" is assigned automatically for any non- credit hour course. "NC" is used for continuing education, economic development, lifelong learning, and other classes for which no credit is awarded.

No Grade Assigned – NG

The "NG" is used to indicate that a student has not satisfied the requirements for a non-credit class. It is also used for certain self-paced courses and continuing education classes.

No Grade Reported – NR

The "NR" is assigned by the Registrar's Office in cases where class rolls have not been submitted in time for normal processing of grades.

Satisfactory/Unsatisfactory - S/U

The "S" and "U" grades are used only for those courses that have received prior approval through the curriculum review process to award the satisfactory/unsatisfactory grades.

Grade Appeal Process

The Grade Appeal Processes apply to final course grades and grades received as a result of academic dishonesty. The appeal process described in Procedure 4.19 provides procedural due process to students.

Grade Appeal Process for Final Course Grades

The basis for an appeal of the final course grade shall be evaluated in terms of the standard established by the faculty member as stated in his/her syllabus, in accordance with institutional policies and state rules/statutes. The appeal must demonstrate that the faculty member did not assign the final course grade in accordance with the grading policy outlined in the course syllabus, which meets the standard defined in the Faculty Handbook.

Each Faculty member shall communicate, in writing, his/her grading policy within the first week of class meetings of each course. The elements to be considered in calculating the student's final course grade shall be clearly articulated and all factors to be considered in arriving at the final grade shall be stated. Any appeal on the grade shall be considered against the background and the standard as set forth in the faculty member's grading policy as stated in the syllabus. In rare cases, the syllabus may need modification. Students must be provided with any modifications to the syllabus.

Grade Appeal Process for Academic Dishonesty

The appeal shall only be based upon the student's claim that academic dishonesty did not occur. Preliminary Action: If a student thinks that he/she has been unfairly graded in a course, the student should meet or communicate no later than the second week of the next term with the Faculty member in an attempt to settle the disputed grade and avoid the formal Grade Appeal Process. The complete grade appeal procedure can be found in the Student Handbook and in the Grade Appeal Brochure. A copy of the brochure can be obtained in the Academic Advisement offices on each campus/center.

Applicable Catalog

A student who is continuously enrolled in degree, certificate or diploma programs (except summer terms) from initial enrollment to graduation may choose to meet graduation requirements specified in either the BC catalog in effect when initially enrolled or the catalog in effect at the time of graduation. If a student's attendance is interrupted by two or more major terms (summer terms excluded), the student must meet the requirements of the catalog in effect at the time of re-entry, or at the time of graduation. A student cannot graduate under a catalog in effect at the time of initial enrollment if the College has eliminated the degree, certificate or diploma program.

For a student who remains continuously enrolled at the college but decides to change majors, the student's applicable catalog is the one in effect when they enroll in the new program or the student may select to use as the applicable catalog the one in effect when they graduate. By changing programs, the student is starting anew so is under a new catalog.

Students entering specialized programs, such as the health science programs, may graduate under the provision of the catalog in effect when the student was admitted to the specialized program.

Recency of Credit

College courses completed more than 10 years ago may require validation by examination.

Graduation Honors

The calculation of the grade point average for honors includes the Broward College record and any previous credit transferred to Broward College.

Students may graduate with honors in three grade point categories.

Bachelor's Level

Cum Laude	overall	GPA	of	3.250-3.499
Magna Cum Laude	overall	GPA	of	3.500-3.749
Summa Cum Laude	overall	GPA	of	3.750-4.000

Associate and Certificate Levels:

Honors	overall	GPA	of	3.250-3.499
High Honors	overall	GPA	of	3.500-3.749
Highest Honors	overall	GPA	of	3.750-4.000

Honor Students are recognized at graduation and honors designations will be shown on final transcripts.

Semester Credit Hour

For degree, technical certificate and Applied Technology programs the unit of credit is the semester credit hour, representing 15-16 hours of lecture instruction with 50-minute class periods. Generally, 30-32 hours of laboratory work count as one unit of credit. Clinical courses will vary in the number of hours per semester credit hour. For Vocational Certificates the unit of credit is the vocational credit.

Short sessions, Weekend College, and classes that meet less than three times per week are adjusted to include the same time equivalent as the 16 week terms.

Semester System

The academic year is divided into 3 semesters, also known as Terms. Each Term contains several Sessions of varying lengths to provide flexibility in the scheduling of courses. To earn a comparable unit of credit, class meeting times are adjusted during the abbreviated Sessions.

Terms I (fall) and II (spring) are approximately 17 weeks in length. Each of these terms includes a Session 2, and a Session 4 of approximately eight weeks in length; and a Session 3 of approximately 12 weeks in length. Term III (summer) is approximately twelve weeks in length. Term III includes Session 1, which is 12 weeks in length, and Sessions 2 and 3 which are six weeks in length.

Grade Forgiveness Policy

A student who has completed a course and desires to improve his/her grade for that course may repeat the course only if he/she has earned a "D" or "F" grade. The number of repeat attempts is limited to two per course. Repeating a course removes the previous grade only from a student's grade point average. The original grade remains on the transcript, but only the grade earned in the last attempt is used for calculating the grade point average. The State University System articulation agreement does not allow courses to be repeated for the purpose of changing a student's grade point average after the associate degree has been awarded.

Maximum Attempts per Course

Per State Board of Education Rule 6A-14.0301, a student may have only three attempts per course. An attempt is defined as enrollment after the 100% refund deadline for courses. Attempts include the original grade, repeat of courses, withdrawals and audits. A student may repeat only those courses in which a "D" or "F" grade was earned. A fourth attempt may be allowed only when a student can provide documentation of extenuating circumstances aligned to specific

term dates. When documentation can be provided, the students must meet with an academic advisor and submit a petition to the Academic Standards Committee.

This rule does not apply to repeatable courses, such as applied music, choir, etc., that have been successfully completed and are now being repeated for further skill enhancement; or to courses that are required to be repeated by a regulatory agency; or those that are being repeated as part of the regulatory requirement for continuing education to stay current in a field such as teacher education.

Florida law requires colleges to assess students the full cost of instruction upon the third attempt. The law also provides for exceptions to this extra fee if there are extenuating circumstances that can be documented by the student, such as a student's serious illness, involuntary call to active military duty, changes of employment, or other extraordinary situations. Petitions for exception to the full cost of instruction based on extenuating circumstances can be obtained from any campus Registration or Advisement office.

NOTE: Students are strongly encouraged to discuss the effect(s) of withdrawing or repeating a course with their advisor/counselor and financial services officer to determine the potential impact on their academic programs and financial aid status.

Course Pre-requisites and Co-requisites

Pre-requisite and co-requisite courses are provided in the Course Information Table included as an Appendix to the Catalog. Pre-requisites are academic requirements that must be completed before enrolling in the next subject level. Students are responsible for knowing and satisfactorily completing pre-requisite requirements. If a student registers for a course for the next term while currently enrolled in a pre-requisite course, then the student must satisfactorily complete the pre-requisite course or withdraw from the higher-level course. Otherwise, the student may be dropped from the course for which he/she is ineligible. Students, who have completed a pre-requisite course at another institution, must furnish proof before registering for the higher-level course.

Co-requisites are courses that must be completed together such as a science course and the associated laboratory. Students cannot take one without the other. If you drop one, you must drop the other. Co-requisite academic requirements are provided in the Course Information Table included as an Appendix to the Catalog. Students should know what the academic requirements are before attempting to register for a course. Check the course descriptions and the Course Information Table.

Excess Credit Hours

Florida law F.S. 1009.286 requires colleges to encourage students, who intend to enroll in a state university, to complete their respective degree program with only credit that can be applied to their degree program of study to avoid excess hours. Effective July 1, 2009 and amended 2011, state universities shall require a student to pay an excess hour surcharge equal to out of state tuition rates for each credit hour in excess of 150 percent of the number of credit hours required to complete the baccalaureate degree program. The law also provides for exceptions to this extra fee if the credit hours were earned under certain circumstances and are not calculated as hours required to earn a baccalaureate degree. Review 1009.286F.S for more detailed information. The statute is available online at www.flsenate.gov.

Student Ombudsman

The Campus Dean of Student Affairs shall serve as the campus and associated center Student Ombudsman, and will serve as an advocate for students' general issues and concerns. The campus Dean of Students will guide students to appropriate personnel, and provide students with appropriate College policies and procedures. The College Ombudsman is the Vice President for Student Affairs and Enrollment Management.

If a student's issue is related to academic standards of progress, graduation requirements, access to courses, or other academic policies, the Campus Dean of Student Affairs, or program Dean for limited access programs, will refer the student to the Academic Standards Committee. The Academic Standards Committee makes recommendations to the Vice President for Student Affairs and Enrollment Management upon reviewing the student's petition and/or after requiring the student to appear before the committee and interviewing the student regarding the circumstances. The Vice President for Student Affairs and Enrollment Management may accept the committee's recommendations or make a different

determination based on the facts and information presented by the student and/or the committee.

Academic Standards Committee

Broward College students, who seek exceptions to the rules, regulations, and requirements of the College, or revocation of dismissal from the College or other institution for academic or disciplinary reasons, must submit their requests in writing to the Student Academic Standards Committee. The Academic Standards Committee reviews petitions for exceptions from students on matters related to college rules, regulations and requirements, including but not limited to: standards of progress, graduation requirements, and repeating courses. The Committee makes recommendations to the Vice President for Student Affairs and Enrollment Management.

The following procedure shall apply to requests for exceptions to established academic policies:

1. The student shall complete the Academic Standards Petition that is available online and at all student affairs offices. The Petition shall include all pertinent and relevant documentation such as transcripts, letters from the transferring institution, or medical documentation. If the petition is a request for admission while on suspension or dismissal from another institution, the student should include a letter of support (if available) to attend Broward College from the previously attended institution.
2. All requests for fourth (4th) course attempts must include documentation that is in compliance with State Statute and aligned to the course date of the course failures and withdrawals.
3. The Campus Dean of Student Affairs or designee must sign the petition and forward it to the Associate Vice President for Student Affairs/College Registrar's Office no later than five (5) business days prior to the scheduled meeting. Any exceptions to the deadline must be approved by the Campus Dean of Students or Center Dean based on extenuating circumstances.
4. The dates of the Academic Standards Committee meeting can be obtained from the campus/center student affairs offices.
5. In cases involving entering new or re-entering Broward College students who are requesting re-entry after academic dismissal, suspension or a code of conduct violation that caused suspension, the student shall be required to attend the meeting. Students will appear before the Committee in order of in the student's scheduled appointment.
6. After careful review of the petitions, the Committee shall make recommendations to the Vice President for Student Affairs and Enrollment Management. The Vice President for Student Affairs may accept the recommendations from the Committee or make a different decision based on the facts and information presented by the student and/or the committee.
7. The student shall be notified of decisions in writing by the Vice President's office.

Academic Honesty

Broward College expects its students to be honest in all of their coursework and activities. Breaches of academic honesty include, but are not limited to, cheating, plagiarism, misrepresentation, bribery, and the unauthorized possession of examinations, papers, or other class materials that have not been formally released by instructors. A student's academic work must be the result of his or her own thought, research, or self-expression. The term "cheating," includes but is not limited to, copying homework assignments from another student; working together with another individual on a take-home test or homework when specifically prohibited from doing so by the instructor, looking at text, notes or another person's paper during an examination when not permitted to do so.

Cheating also includes the giving of work formation to another student to be copied and/or used as his or her own. This includes, but is not limited to, giving someone answers to exam questions either when the exam is being given or after having taken an exam; informing another student of specific questions that appear or have appeared on an exam in the same academic term; giving or selling a term paper, report, project or other restricted written materials to another student. The term "plagiarism" includes, but is not limited to, an attempt of an individual to claim the work of another as the product of his or her own thoughts, regardless of whether that work has been published.

Plagiarism includes, but is not limited to, quoting improperly or paraphrasing text or other written materials without proper citation on an exam, term paper, homework, or other written material submitted to an instructor as one's own

work. Plagiarism also includes handing in a paper to an instructor that was purchased from a term paper service or downloaded from the Internet and presenting another person's academic work as one's own. Individual academic departments may provide additional examples in writing of what does and does not constitute plagiarism, provided that such examples do not conflict with the intent of this policy.

Breaches of Broward College's policy on academic honesty may result in academic penalties and/or disciplinary action. At the discretion of the instructor, academic penalties may include, but are not limited to, a failing grade for a particular assignment or a failing grade for the course. In addition, the instructor or another BC employee may refer a student to the Dean of Student Affairs for student disciplinary action in accordance with the BC Student Handbook. Such discipline may include suspension or expulsion from the College.

Developmental Education Program

Broward College is committed to the philosophy that all students should be offered the opportunity to achieve their maximum potential. To help students acquire and/or refresh the communication and computational skills necessary to be successful in college-level coursework, BC offers a multifaceted Developmental Education Program. It provides students with assorted skill remediation options, including: developmental education courses in mathematics, writing, and reading; non-credit accelerated skill refresher options offered by the Office of Continuing Education; and a free, self-paced college readiness massive open online course (MOOC) available for students to take at almost any time. Students are strongly encouraged to confer with an academic advisor to choose a method of remediation that best suits their skills and abilities.

The following are Broward College's developmental education courses:

Mathematics	**Writing**	**Reading**
MAT0018C	ENC0015C	REA0007C
MAT0028C	ENC0025C	REA0017C
MAT0022C	ENC0017C*	REA0055
MAT0055		REA0056
MAT0056		ENC0017C*
MAT0057		

*ENC0017C is an integrated writing/reading course that is equivalent to ENC0025C and REA0017C.

Exemption from Developmental Education Program

Fulfillment of one or more of the following 5 criteria will exempt a student from the placement test and developmental education course requirements at BC:

1. Entered 9th grade in a Florida public or charter high school during the 2003-2004 school year or thereafter AND earned a Florida standard high school diploma
2. Currently serving as an active duty member of any branch of the United States Armed Services
3. Possess test scores (SAT, ACT, CPT, PERT, or FCAT 2.0) not more than two years old that meet or exceed the Florida statewide minimum score requirement. [Note: To request scores from the College Board be sent to Broward College, use the school code 5074]
4. Have successfully completed developmental education course requirements in writing, reading, and mathematics
5. Completed college-level English Composition and Mathematics courses with a grade of 'C' or better at a regionally accredited college or university

Non-Exemption from Developmental Education Program

All students who meet one or more of the following nine criteria are required to complete placement testing:

1. Earned a Florida public high school Certificate of Completion (state code W8A or W53)
2. Began 9th grade in a private school or non-Florida high school then moved to Florida and entered a Florida publish high school

3. Earned a high school equivalency diploma or GED
4. Received high school level instruction from a "Home Education Program", as defined in Florida Statute 1002.01(1)
5. Graduated from a private high school
6. Graduated from a high school located outside of Florida
7. Graduated from a Florida public high school prior to 2007
8. Is a prospective dual enrollment student
9. Is a military veteran who is not an active duty member of a branch of the United States Armed Services

Developmental Education Credit

Developmental education courses carry credit, but the credits cannot be used to satisfy degree requirements. Consequently, there are federally mandated credit-hour (and equivalent clock-hour) restrictions on the extent to which a student may use veteran's benefits and/or federal financial aid to assist in paying for these developmental education courses, in addition to any EAP courses. Additionally, it is important to note that some other forms of financial aid awards may not be used to pay tuition/fees for developmental education courses. For more detailed information, students are advised to: (a) first read the Student Financial Aid section of this catalog, along with the extensive financial aid information provided on the Broward College website; and then (b) consult with a financial aid advisor within the Office of Student Financial Services.

Non-Exempt Student Enrollees in Developmental Education Courses

A non-exempt student whose placement test scores fall below the minimum in writing, reading, and/or mathematics shall not be permitted to enroll in college-level English or Mathematics courses until successfully completing the appropriate developmental education courses or achieving placement test scores that meet or exceed the statewide required minimum.

All such students are required to enroll in at least one developmental education course each term in which they are enrolled until all developmental education requirements have been satisfied.

To increase academic success, non-exempt developmental education students who are seeking degrees and have not previously attended college must adhere to the following restrictions:

- Students who test into two or more developmental education disciplines (ENC, MAT, and REA) are limited to no more than four classes (maximum of 14 credit hours) in a full 16-week fall/spring term. In a 12-week summer term, such students are limited to a maximum of two courses per 6-week mini-session or a maximum of four courses in the 12-week full session. Prior to summer term registration, students are strongly recommended to meet with an Academic Advisor.
- Students who test into REA0007C are required to register for the course during their first term.
- Students who test into REA0017C are required to register for either this course or ENC0017C during their first term.
- Students are required to take the highest level of developmental reading (REA0017C or ENC0017C) the term immediately after successful completion of the lowest level of developmental education reading (REA0007C)
- Students testing into three developmental education disciplines (ENC, MAT, and REA) are advised to satisfactorily complete the developmental education reading sequence (REA007C and/or either REA0017C or ENC0017C) either prior to or while concurrently enrolling in a developmental education math course (MAT0018C, MAT0022C, MAT0028C or MAT0057).
- Students testing into at least two developmental education disciplines (ENC, MAT, and REA) are advised to enroll in a student success skills course within their first semester.

Students must meet with an Academic Advisor in any campus Office of Academic Advisement regarding proper course selections, sequencing, and requirements.

Maximum Attempts per Course

Based on state regulations, students may enroll no more than three times in any particular developmental education course. Students may not "audit" developmental education courses. Students will be assessed the full cost of instruction for the third attempt, which is the non-resident tuition rate.

Alternative Providers for Developmental Instruction (Offered at BC)

Broward College's Office of Continuing Education provides a wide variety of refresher options, including:

- EDI0753 Start Smart Integrated Reading/Writing Boot Camp
- EDI0754 Start Smart Mathematics Boot Camp
- EDI0339 Algebra Refresher Online Course
- EDI0534 P.E.R.T. Test Prep

Students interested in this option should obtain additional information from any campus Office of Academic Advisement. Non-exempt students exercising this option must retake and pass the appropriate sections of the PERT, the Postsecondary Education Readiness Test, prior to enrolling in college-level courses.

Alternative Providers for Developmental Instruction (Outside of BC)

Students have the option of improving their college readiness skills by pursuing developmental education instruction through programs offered by private providers. Prior to doing so, students interested in this option should obtain additional information from any campus Office of Academic Advisement. Non-exempt students exercising this option must retake and pass the appropriate sections of the PERT, the Postsecondary Education Readiness Test, prior to enrolling in college-level courses.

Note: Private providers are not affiliated with BC and the College neither endorses nor warrants their services. BC assumes no responsibility related to the operations of these providers, and specifically disclaims any and all liabilities resulting from, or arising out of, or in connection with, students' use of their products and services.

English for Academic Purposes (EAP)

The purpose of the EAP Program is to prepare non-native English speaking students to function successfully in BC courses.

Communication	**Reading**	**Composition**
EAP0100C	EAP0120C	EAP0185C
EAP0200C	EAP0220C	EAP0285C
EAP0300C	EAP0320C	EAP0385C
EAP0400C	EAP0420C	EAP0485C

EAP Course Sequences

Non-Credit Courses: do not carry college credit. Level 1: EAP0100C, EAP0120C, and EAP0185C Level 2: EAP0200C, EAP0220C, and EAP0285C Level 3: EAP0300C, EAP0320C, and EAP0385C Level 4: EAP0400C, EAP0420C, and EAP0485C

Credit-Bearing Courses: carry elective credit.
Level 5: EAP1540C*
Level 6: EAP1640C
*Note: An EAP student must successfully complete all three Level 4 courses before entering EAP1540C.

Academic Service Learning

Broward College proudly offers service learning opportunities for students. Academic Service-Learning is a course-based teaching and learning approach that integrates traditional study with community service to:

- Enrich learning
- Teach civic responsibility
- Strengthen communities

Academic Service Learning connects the *curriculum* -what students learn in class – with relevant and meaningful *service* in the community through collaboration with local agencies.

Students enhance their academic learning, civic responsibility and interpersonal relationships by participating in real world projects. They are engaged as active and informed citizens knowing that their contribution matters.

Blended Learning Opportunities

Many courses at Broward College are offered in a blended format. Typically in blended courses some portion of campus face-to-face time is replaced with online learning activities. This provides students with flexibility, making education accessible to the working individual.

Blended courses are the "best of both worlds" and a good choice for students who enjoy both online and on-campus learning but cannot spend as much time on campus as would be required for a traditional face-to-face course. Class time may be used for small group work, review of difficult concepts or assistance with assignments. Students submit work online or in class. In a blended course a learning management system is used to submit work and communicate online with instructor and the class.

Some blended courses are offered in an accelerated format, such as 8-week sessions, permitting students to complete courses in a shortened time frame.

To learn more about how blended learning can help you successfully complete your educational goal, please email ctel@broward.edu or call the Center for Teaching Excellence and Learning at 954-201-4537.

Credits for Prior Learning

Broward College values the college-level knowledge students acquire while in high school, at work and other life experiences, and military experience. Credit for Prior Learning options afford students the opportunity to accelerate the time it takes to complete a degree.

Students interested in these options must first apply to BC and pay the non-refundable application fee.

Advanced Placement

Advanced placement exams are taken after students complete the corresponding Advanced Placement courses, which are available to juniors and seniors in most Broward County high schools. To qualify for college credit, students must earn an appropriate passing score on the nationally administered exam. Credits will not be awarded for examinations that duplicate course work or other exam credits previously posted to a student's academic record. In order to award credit, Broward College requires an official grade report, sent directly to the college from College Board, not a student copy. More information about Advanced Placement, including descriptions of courses and sample examination questions, is available online at www.collegeboard.com/ap.

Armed Services Educational Credits

Broward College will conduct an evaluation of educational experiences in the Armed Forces and award postsecondary level credits at the freshman and/or sophomore levels when appropriate. The evaluation procedure will be comprised of two categories of military experiences. TYPE I will be the evaluation of military courses listed in the Guide to the Evaluation of Educational Experience in the Armed Forces, American Council on Education. The Registrar will receive and evaluate petitions for military courses in the same manner as other incoming transfer credits. TYPE II will be the evaluation of other military training and experiences by the Department of Experiential Learning. The standard fee for the assessment of Prior Learning Assessment (PLA) will be applied to TYPE II evaluations.

Students interested in this option should see an Academic Advisor to complete the "Request for Evaluation of Military Courses" form.

Cambridge AICE (British AS-Level and A-Level)

The AICE program is an international, advanced secondary curriculum and assessment program equivalent to the British system of "A-Levels." Students who wish to receive AICE credits should submit official transcripts to the Registrar's office. Information about the program, including course syllabi, can be found on-line at www.cie.org.uk/countries/usa.

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College Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) program provides an opportunity for students to demonstrate competency in certain subjects and thereby earn college credit for particular courses without enrolling in classes. Students seeking CLEP credit at Broward College but do not wish to become BC students must submit a non-credit admissions application to the Admissions/Registration Office. Individuals wishing to become BC students and receive CLEP credit must apply to Broward College and pay the non-refundable application fee. Former BC dual enrollment students must submit a Re-Entry application but do not pay the application fee. Broward College's CLEP code number is 5074. CLEP tests are administered throughout the year at any of the three campus testing centers at specific testing dates and times. CLEP credit cannot duplicate regular college course credit already earned, Dual Enrollment credit, or other credits earned through examination. This credit is also not included in determining the qualitative or quantitative measures for student financial aid standards of academic progress annual review. Courses for which credit is awarded is not included in BC enrolled credit hours and are not eligible to meet in residence requirements for graduation. Visit www.broward.edu/testing for more information.

DSST Examination Program

The DSST exams, unlike Advanced Placement, are not built around curriculum, but rather are designed to test students' knowledge on a variety of college-level subjects, regardless of where they may have learned the material. Exams are developed by committees of college faculty. More information about DSSTs, including descriptions of test content and sample examination questions, is available at http://www.getcollegecredit.com/.

Dual Enrollment

The Dual Enrollment Program is an accelerated program that allows eligible secondary students to take postsecondary coursework and simultaneously earn both high school and college credits. Early Admission, a form of dual enrollment, allows eligible high school seniors to enroll full time with a minimum of 12 credits in each major term. Dual Enrollment students are exempt from the payment of application, tuition and laboratory fees.

Eligibility Requirements

- Be enrolled as a student in a Florida public or nonpublic secondary school or home education program in Broward County
- Minimum 3.0 unweighted high school grade point average (GPA)
- Place college level on placement test (PERT, ACT or SAT) in all areas – English, Reading and Math

- Earn a grade of "C" or higher in each college level course. (Early Admission students who do not earn a grade of "C" or higher in each course may only continue in the dual enrollment program if they have maintained a college GPA of 2.0, still meet eligibility requirements and have approval from their high school guidance counselor.)

Students should contact their high school guidance counselor to complete the dual enrollment admissions and course selection process. Additional program expectations and dual enrollment guidelines and information for guidance counselors, students and parents can be found at www.broward.edu/dual.

College Academy @ BC

The College Academy is a joint venture between the School Board of Broward County and Broward College. It is an accelerated college program that provides students an opportunity to receive a high school diploma and an Associate of Arts (A.A) degree concurrently. For specific program information and admissions requirements, please contact The College Academy @ BC at collegeacademy.browardschools.com or 754-321-6900.

Excelsior College Examinations

Excelsior College Examinations (formerly known as Regents College Exams or the Proficiency Examination Program), are developed by Excelsior College using national committees of faculty consultants and national studies to assess how well the tests measure the performance of students in actual college courses. Excelsior College Examinations are approved by the American Council on Education and Excelsior College itself is accredited by the Middle States Association of Colleges and Schools (MSACS). More detailed information about Excelsior College Examinations can be found on-line at www.excelsior.edu/Excelsior_College/Excelsior_College_Examinations.

Foreign Language Exams

Broward College accepts languages exams taken through the Brigham Young University's Foreign Language Achievement Tests Services (FLATS). This service allows speakers of other languages to fulfill the foreign language requirement by passing a computerized foreign language exams. Exams are offered in over 50 languages: Dutch, Japanese, Portuguese-Brazilian, Haitian-Creole, and more. Course credits are not awarded. The foreign language requirement will be fulfilled on the students' degree audit. For more information visit www.broward.edu/testing.

High school and Technical College Career Programs

Broward College has specific agreements with Broward County Public Schools that links secondary and postsecondary technical education programs of study. High school or Technical College (Atlantic, Sheridan or McFatter) students who complete a technical program of study will receive training for high skill, high wage occupations and could receive college credit for their course work. Students must complete a technical program at the high school or Technical College and meet the articulation agreement requirements, which may include a comprehensive assessment to validate required technical competencies. The number of credits that will be awarded and the type of assessment that will be used are outlined in the technical education articulation agreements established between Broward College and Broward County Public Schools. Credit will be awarded once the student has been accepted to Broward College and enrolled in a program of study. Students are eligible to receive credits for two years after high school/technical college graduation.

Industry Certifications

Students who earn an industry certification may receive college credit. The number of credits that will be awarded are outlined in the Statewide Career and Technical Education Articulation Agreements and individual agreements between Broward College and Broward County Public Schools. Credit will be awarded once the student has been accepted to Broward College and enrolled in a program of study. Students are eligible to receive credits for three years after receiving their industry certification.

International Baccalaureate (IB)

The International Baccalaureate program is a challenging curriculum offered in high schools around the world that is designed to prepare students for advanced work in many countries' postsecondary systems. Because it is international, the curriculum is not always as closely aligned with courses in American colleges and universities as Advanced Placement courses, and students and teachers often choose topics within a fairly wide range. Students frequently conduct independent projects as part of the curriculum. Many subjects have both Standard Level and Higher Level versions, which typically require additional specialized research or independent work. International Baccalaureate assessments are conducted worldwide, so that an American student's work may be evaluated by a teacher in Singapore or vice-versa, and they often include substantial long-answer components or assessment of student research projects or portfolios. It may be helpful for institutions to talk with the student or to review the student's projects in order to assign appropriate credit. More information about the IB program is available at www.ibo.org/.

Prior Learning Assessment Program

The Prior Learning Assessment Program, developed primarily for working adults, is designed to recognize the academic value of what students have learned through experiences outside the college classroom. Credit for prior learning may result from work experience, employment related training programs and seminars, volunteer work, travel, military service or intensive self-directed study. If students have gained BC course equivalent knowledge, competencies, and/or skills as a result of prior learning experiences, they may be able to earn academic credit through the Prior Learning Assessment Program.

Prior learning credits are not available for all BC courses. Students who have been admitted and who have decided on an academic program may challenge courses through Prior Learning. Students who receive permission to challenge a course from an authorized faculty assessor must pay the required assessment fees and satisfactorily pass a faculty-administered learning assessment before credit can be awarded.

Although there is no limit to the number of hours that students can receive through Prior Learning, 25% of credits required for a degree must be earned by taking classes at BC to satisfy in residence requirements for graduation.

Prior Learning credits appear on student transcripts as "CR." Letter grades are not awarded for Prior Learning. Credits earned through Prior Learning satisfies graduation requirements but may not be accepted as transfer credits at another institution. Students planning to transfer to other institutions should contact the college or university to determine if Prior Learning credits are accepted.

For more information on **Credit for Prior Learning** visit www.broward.edu/cpl

Internship EDGE

The College defines an internship as any short term, supervised work experience specifically related to a student's declared major, for which the student earns (3) academic credits. The internship should provide students with a meaningful experience directly related to their course of study. Students are guided through their internship experienced by a credentialed faculty member who assists in developing measurable learning outcomes, grades mid-term and end-of-term projects, and serves as the intern's advocate.

NOTE: The College only supports internships that award college credit, and/or paid internships.

Eligibility Requirements

To qualify for an internship, the student must be currently enrolled in a degree program, be in good academic standing (minimum 2.0 GPA), and have completed at least 24 credits.

International Students

International students in F1 visa status are eligible to participate in an internship if they meet the following requirements:

1. Have one year in valid F1 status.
2. Must be in good academic standing.
3. The internship is an integral part of the student's degree program.
4. Students must be enrolled in the internship class for the term they will be employed.
5. Must have been offered a job and have the name and address of the employer.
   International students should contact the International Student Admissions Office for an approval

Interested students should register and upload a resume to BC's online job board www.broward.edu/ccn, and attend a mandatory internship orientation.

For more information on requirements and program eligibility, please visit www.broward.edu/intersnhip or contact the Internship EDGE Office at:

3501 S. W. Davie Road
Building 19, Room 116
Davie, FL 33314
954-201-7515
internships@broward.edu

Robert "Bob" Elmore Honors College

The Robert "Bob" Elmore Honors College is one of the most highly rated two-year Honors programs in the country, serving the College's best and brightest students in a vibrant learning community. The Honors College serves approximately 1,200 students annually. These students engage with dedicated faculty and with one another in a seminar-style environment that helps Honors students get the most out of their time at Broward College while preparing them for the future. Honors College graduates have won 16 of the prestigious Jack Kent Cooke Undergraduate Transfer Scholarships, ranking second in the nation among institutions whose students have won this award. Honors students have also been awarded the Barry Goldwater Scholarship as well as many other scholarships, awards, and prizes. Our Honors graduates have transferred to and also received scholarships from some of the most prestigious colleges and universities in the country, including Harvard University, Georgetown University, Columbia University, New York University, The University of Texas at Austin, and The University of California, Berkeley, among many others. The mission of the Robert "Bob" Elmore Honors College of Broward College is to provide an enriched program in a vibrant, active community of students, faculty, and staff which:

- Stimulates independent and creative thought;
- Challenges the intellect;
- Enhances career and professional development;
- Builds self-confidence and empowerment;
- Promotes opportunity for cultural enrichment; and
- Promotes a global perspective.

Advantages of Becoming an Honors Student

Honors Faculty teach dynamic, discussion-based classes which are capped at 20 students. Honors classes create an enriched and specialized learning experience for our Honors students and Honors College members receive special recognition and benefits, including but not limited to: priority registration privileges, orientation programming, designated Honors advisors at each major campus, and a variety of other opportunities such as participation in the annual Honors Colloquium and Honors conferences at the state, regional, and national level. Honors College students are also recognized each year for their academic, leadership, and service at the annual Honors Awards Celebration.

The Robert "Bob" Elmore Honors College also offers the following scholarship opportunities:
Irm's Honors Scholar Award, Honors Term Scholarships, and Honors Scholarship for International Studies.

The Honors College also supports a variety of extra-curricular activities which promote scholarship, leadership, and service, including the Honors Student Committee, Brain Bowl, Math Team, and Model United Nations. Many Honors College students are also invited to join the Phi Theta Kappa Honor Society and the Sigma Kappa Delta Honor Society.

Associate of Arts degree Honors students who maintain a minimum 3.5 Overall/Honors GPA and complete the required number of Honors courses, including Honors Introduction to the Humanities and Honors Interdisciplinary Studies, can also take advantage of a specialized degree program and earn the Honors College Certificate. Honors courses are noted on the official transcript and eligible students receive Honors College graduation regalia to wear at the Broward College commencement ceremony. Students who are pursuing Associate in Science, Associate in Applied Science, and Bachelor's degrees at Broward College should contact the Honors College or visit the Honors website (see below) for information about earning an Honors College Certificate.

In addition to all of the benefits described above, the Robert "Bob" Honors College also offers Associate's students support and guidance for their transfer to a four-year degree program. Honors College students are assisted in the transfer process with specialized seminars and workshops to prepare them for the transition to a four-year degree upon their graduation from Broward College and to match them to transfer scholarships available from our regional partner institutions such as Florida Atlantic University, Florida International University, and Nova Southeastern University.

Honors College Eligibility Information

Students entering Broward College as freshmen are eligible to apply for admission to the Honors College based on their unweighted high school GPA, SAT, ACT, or PERT scores. Current Broward College Associate's degree students who have completed 6 college-level credit hours, are eligible for college-level courses, and have earned a minimum 3.5 Overall/Honors GPA are also eligible to apply for admission to the Honors College. Eligibility information, campus contact information, and the Honors admissions application are available on the Honors College website: http://www.broward.edu/honors.

For more information about the Honors College experience at Broward College, please visit the Honors website (http://www.broward.edu) or contact the Honors College main office as listed below.

Robert "Bob" Elmore Honors College
A. Hugh Adams Central Campus Bldg. 3, Room 101
954-201-7645
honorsinfo@broward.edu
www.facebook.com/honorsbc
www.twitter.com/honorsbc

PROGRAMS OF STUDY

BROWARD COLLEGE℠
www.broward.edu

2017-2018
COLLEGE CATALOG

Programs of Study 2017-2018			
Program Type	**Program Code**	**Program Title**	**Career Pathway**
Associate of Science	2192	Graphic Design	AHCD
Associate of Science	2206	Music Technology	AHCD
Associate of Science	2510	Film Production Technology	AHCD
Associate of Science	2512	New Media Communication	AHCD
Technical Certificate	6289	Graphic Design Production	AHCD
Technical Certificate	6290	Graphic Design Support	AHCD
Technical Certificate	6309	Audio Technology	AHCD
Technical Certificate	6343	Film Production Fundamentals	AHCD
Technical Certificate	6344	Motion Picture Production	AHCD
Technical Certificate	6345	Motion Picture Post Production	AHCD
Technical Certificate	6346	Motion Picture Production Management	AHCD
Technical Certificate	6356	New Media Communication Leadership	AHCD
Associate of Arts	1010	Associate of Arts	ALL
Associate of Arts	1010H	Associate of Arts - Honors College	ALL
Associate of Science	2100	Accounting Technology	Business
Associate of Science	2119	Business Administration	Business
Associate of Science	2121	Hospitality and Tourism Management	Business
Associate of Science	2126	Marketing Management	Business
Associate of Science	2172	Paralegal Studies	Business
Associate of Science	2203	Culinary Arts Management	Business
Associate of Science	2508	Business Analytics	Business
Technical Certificate	6237	Office Management	Business
Technical Certificate	6240	Marketing Operations	Business
Technical Certificate	6279	Office Support	Business
Technical Certificate	6280	Office Specialist	Business
Technical Certificate	6281	Medical Office Management	Business
Technical Certificate	6288	Business Specialist	Business
Technical Certificate	6300	Guest Services Specialist	Business
Technical Certificate	6301	Food and Beverages Management	Business
Technical Certificate	6302	Rooms Division Management	Business
Technical Certificate	6311	Entrepreneurship	Business
Technical Certificate	6312	Event Management	Business
Technical Certificate	6320	Business Operations	Business
Technical Certificate	6323	Accounting Technology Operations	Business
Technical Certificate	6324	Accounting Technology Specialist	Business
Technical Certificate	6350	Business Development and Entrepreneurship	Business
Associate of Science	22112	Office Administration	Business
Technical Certificate	62140	Accounting Technology Management	Business
Technical Certificate	62671	Business Management	Business
Bachelor of Applied Science	T100	Supervision and Management	Business
Associate of Science	2166	Early Childhood Education	Education
Technical Certificate	6316	Child Care Center Management	Education
Technical Certificate	6317	Infant & Toddler Specialization	Education
Technical Certificate	6318	Preschool Specialization	Education

Technical Certificate	6319	Child Development	Education
Educator Preparation Institute	F100	Educator Preparation Institute	Education
Bachelor of Science	S100	Exceptional Student Education	Education
Bachelor of Science	S200	Middle Grades General Science	Education
Bachelor of Science	S300	Secondary Biology	Education
Bachelor of Science	S400	Middle Grades Mathematics	Education
Bachelor of Science	S500	Secondary Mathematics	Education
Associate of Science	2102	Nuclear Medicine Technology	Health Sciences
Associate of Science	2127	Nursing	Health Sciences
Associate of Science	2131	Radiography	Health Sciences
Associate of Science	2132	Respiratory Care	Health Sciences
Associate of Science	2145	Dental Hygiene	Health Sciences
Associate of Science	2153	Physical Therapist Assistant	Health Sciences
Associate of Science	2159	Radiation Therapy	Health Sciences
Associate of Science	2160	Emergency Medical Services	Health Sciences
Associate of Science	2176	Diagnostic Medical Sonography	Health Sciences
Associate of Science	2179	Health Information Technology	Health Sciences
Associate of Science	2215	Dental Assisting	Health Sciences
Associate of Science	2511	Medical Assisting	Health Sciences
Technical Certificate	6208	Paramedic	Health Sciences
Technical Certificate	6228	Radiation Therapy Specialist	Health Sciences
Technical Certificate	6353	Medical Assisting Specialist	Health Sciences
Technical Certificate	6355	Scientific Workplace	Health Sciences
Associate of Science	21021	Hospital-Based Nuclear Medicine Technology	Health Sciences
Associate of Science	21271	LPN/RN Transition	Health Sciences
Associate of Science	21311	Hospital-Based Radiography	Health Sciences
Associate of Science	21591	Hospital-Based Radiography Therapy	Health Sciences
Associate of Science	21891	Vision Care Tech/Opticianry	Health Sciences
Applied Technology Diploma	B003	Emergency Medical Technician	Health Sciences
Applied Technology Diploma	B007	Dental Assisting	Health Sciences
Bachelor of Science in Nursing	N100	RN to BSN	Health Sciences
Associate of Science	2107	Professional Pilot Technology	IMCT
Associate of Science	2184	Building Construction Technology	IMCT
Associate of Science	2194	Industrial Management Technology	IMCT
Associate of Science	2204	Aviation Maintenance Management	IMCT
Associate of Science	2205	Supply Chain Management Operations	IMCT
Associate of Science	2207	Engineering Technology	IMCT
Associate of Science	2509	Aviation Administration	IMCT
Vocational Certificate	5272	Aircraft Airframe Mechanics	IMCT
Vocational Certificate	5273	Aircraft Powerplant Mechanics	IMCT
Technical Certificate	6304	Airport Management	IMCT
Technical Certificate	6306	Marine Technology	IMCT
Technical Certificate	6308	Logistics and Transportation	IMCT
Technical Certificate	6310	Automotive Service Technician	IMCT
Technical Certificate	6314	Engineering Technology Support	IMCT
Technical Certificate	6315	Building Construction Special	IMCT
Technical Certificate	6321	Commercial Flight Operations	IMCT

Technical Certificate	6322	Electronics Aide	IMCT
Technical Certificate	6325	Alternative Energy Systems	IMCT
Technical Certificate	6326	General Auto Service Technician	IMCT
Technical Certificate	6327	Marine Electrician	IMCT
Technical Certificate	6328	Marine Propulsion Technician	IMCT
Technical Certificate	6342	Marine Systems Technician	IMCT
Technical Certificate	6349	CNC Machinist	IMCT
Technical Certificate	6351	Dealer Line Technician	IMCT
Technical Certificate	6352	Dealer Service Technician	IMCT
Technical Certificate	6354	Avionics	IMCT
Associate of Applied Science	A004	Auto Tech Service	IMCT
Associate of Applied Science	A037	Dealer Specific Auto Technology	IMCT
Associate of Applied Science	A040	Marine Engineering Management	IMCT
Bachelor of Science	S800	Aerospace	IMCT
Bachelor of Applied Science	T400	Supply Chain Management	IMCT
Vocational Certificate	5269	Broward County Police Academy	Public Safety
Vocational Certificate	5270	Corrections Officer Academy	Public Safety
Vocational Certificate	5271	Police Service Aide Academy	Public Safety
Vocational Certificate	5304	Correctional Probation Officer	Public Safety
Technical Certificate	6347	Crime Scene Technician	Public Safety
Technical Certificate	6357	Homeland Security Specialist	Public Safety
Technical Certificate	6358	Criminal Justice Technology Specialist	Public Safety
Associate of Science	21101	Criminal Justice	Public Safety
Associate of Science	21102	Crime Scene	Public Safety
Associate of Science	21104	Polygraph	Public Safety
Associate of Science	2149	Computer Information Technology	STEM
Associate of Science	2182	Environmental Science Technology	STEM
Associate of Science	2195	Computer Programming and Analysis	STEM
Associate of Science	2196	Web Development	STEM
Associate of Science	2503	Networking Systems Technology	STEM
Associate of Science	2505	Medical Laboratory Technology	STEM
Associate of Science	2506	Computer and Network Security	STEM
Associate of Science	2507	Technology Project Management	STEM
Advanced Technical Certificate	4277	Geographic Information Systems	STEM
Advanced Technical Certificate	4283	Information Technology	STEM
Advanced Technical Certificate	4284	Cloud and Virtualization	STEM
Advanced Technical Certificate	4285	Cybersecurity	STEM
Advanced Technical Certificate	4286	Network Administration - MCSE	STEM
Advanced Technical Certificate	4287	Network Infrastructure - CCNP	STEM
Advanced Technical Certificate	4289	Project Management	STEM
Technical Certificate	6329	Network Infrastructure Technical Certificate	STEM
Technical Certificate	6329	Network Infrastructure	STEM
Technical Certificate	6331	Computer Programming Specialist	STEM
Technical Certificate	6332	Computer Programmer	STEM
Technical Certificate	6333	Front-End Web Specialist	STEM
Technical Certificate	6334	Web Programming Specialist	STEM
Technical Certificate	6335	Network Server Administration	STEM

Technical Certificate	6337	Information Technology Support Specialist	STEM
Technical Certificate	6338	Information Technology Analyst	STEM
Technical Certificate	6341	Cybersecurity	STEM
Technical Certificate	6348	Cloud and Virtualization	STEM
Bachelor of Science	S600	Environmental Science	STEM
Bachelor of Applied Science	T200	Technology Management	STEM
Bachelor of Applied Science	T300	Information Technology	STEM

General Education at Broward College

The General Education program is an integral part of the learning experience at Broward College. It provides broad knowledge as well as intellectual and personal development, beyond what can be found in any specific discipline or program. This prepares students to be socially responsible critical thinkers who actively contribute to a global society as lifelong learners.

Broward College has established six competencies that form the foundation of the learning outcomes in our courses. Upon successful completion of the General Education program, students will be able to demonstrate:

- Critical thinking
- Effective communication
- Ethical reasoning
- Global self-awareness
- Information literacy
- Mathematical and scientific reasoning

The College offers four different types of degrees. These are Associate in Arts (AA), Associate in Science (AS), Associate in Applied Science (AAS), and Baccalaureate degrees (BAS, BS, and BSN). Different degrees have different General Education requirements based upon:

- Florida Statutes (1001.02, 1007.23, 1007.25)
- State Board of Education Rules (6A-14.030 and 6A-10.024)
- Southern Association of Colleges and Schools – Commission on Colleges (SACSCOC) Core Requirement 2.7.3 & Comprehensive Standard 3.5.1
- Broward College's Policy (6Hx2-4.22).

For AA and Baccalaureate degrees, Broward College requires a total of 36 credits of General Education coursework in five areas – Communications, Humanities, Social/Behavioral Sciences, Biological/Physical Sciences, and Mathematics. Specific information follows in the next section.

For AS degrees, Broward College requires 15 credits of General Education coursework in the five areas - Communications, Humanities, Social/Behavioral Sciences, Biological/Physical Sciences, and Mathematics. The specific requirements are outlined on the individual program sheets.

For AAS degrees, Broward College requires 12 credits of General Education coursework in four areas – Communications, Humanities, Social/Behavioral Sciences, and Mathematics/Science. The specific requirements are outlined on the individual program sheets.

Assessment is central to the success of all students at Broward College. Our degree programs are assessed on a consistent basis. The data generated from our assessment process guides college-wide efforts to continually improve the learning experience of all of our students. For more information on Assessment at Broward College, please contact the District Director of Teaching, Learning, and Assessment. The requirements shown below are valid beginning Fall 2016, and may not reflect degree requirements for current students. Current students should visit My BC and, under Advising, refer to the Interactive Degree Audit to see specific degree requirements for their effective term.

General Education Block Transfer Guarantee for AA Degree Students: Per State Board of Education Rule 6A-10.024, once a student has been certified by an institution on the official transcript as having completed satisfactorily its prescribed general education core curriculum, regardless of whether the associate degree is conferred, no other public postsecondary institution to which he or she may transfer in Florida shall require any further such general education courses.

General Education Requirements for the Associate of Arts Degree
Effective August 2016

AREA 1 COMMUNICATIONS

Take ENC1101 and ENC1102 and either SPC1024 or SPC1608

CORE

ENC1101	Composition I (W)	3

OTHER COMPOSITION

ENC1102	Composition II (W)	3

SPEECH COMMUNICATIONS

SPC1024	Introduction to Speech Communications	3
SPC1608	Introduction to Public Speaking	3

AREA 2 HUMANITIES

Take two courses from different groups or sub-groups. At least one of the courses must be from the Core list. Both courses can be from the Core list.

CORE

ARH2000	Art Appreciation (W) (I)	3
HUM1020	Foundations of the Humanities (W) (I)	3
LIT2000	Introduction to Literature (W) (I)	3
MUL2010	Music Appreciation (I)	3
PHI2010	Introduction to Philosophy (W) (I)	3
THE2000	Theatre Appreciation (I)	3

GROUP 1 LITERATURE

AML2010	American Literature Colonial to 1900 (W) (I)	3
AML2020	American Literature 1900 to the present (W) (I)	3
AML2600	African American Literature (W) (I)	3
AML2631	US Hispanic American Literature (W) (I)	3
ENG2101	Film as Literature (W) (I)	3
ENL2012	British Literature to 1798 (W) (I)	3
ENL2022	British Literature since 1798 (W) (I)	3
ENL2330	Introduction to Shakespeare (W) (I)	3
LIT2000^	Introduction to Literature (W) (I)	3
LIT2020	Introduction to the Short Story (W) (I)	3

LIT2030	Introduction to Poetry (W) (I)	3
LIT2110	World Literature through the Renaissance (W) (I)	3
LIT2120	World Literature Renaissance to the Present (W) (I)	3
LIT2190	Caribbean Literature (W) (I)	3
LIT2310	Literature of the Supernatural & Science Fiction (W) (I)	3

GROUP 2 FOREIGN LANGUAGES

ASL2160	American Sign Language III (I)	4
FRE2220	Intermediate French I (I)	4
GER2220	Intermediate German I (I)	4
HBR2220	Intermediate Hebrew I (I)	4
ITA2220	Intermediate Italian Reading & Conversation I (I)	4
SPN2220	Intermediate Spanish I (I)	4
SPN2201	Intermediate Spanish II (I)	4
SPN2340	Beginning Spanish for Spanish Speakers (I)	4

GROUP 3a VISUAL AND PERFORMING ART: ART

ARH2000^	Art Appreciation (W) (I)	3
ARH2050	World Art History: Prehistoric to Gothic (W) (I)	3
ARH2051	Art History: Renaissance to Modern (W) (I)	3

GROUP 3b VISUAL AND PERFORMING ART: MUSIC

MUL2010^	Music Appreciation (I)	3
MUH2019	Development of American Popular Music (I)	3
MUH2111	Music History & Literature I: Medieval to Classical (I)	3
MUH2112	Music History & Literature II: Romantic to Modern (I)	3
MUT1001	Fundamentals of Music (I)	3

GROUP 3c VISUAL AND PERFORMING ART: OTHER

DAN2100	Dance Appreciation (W) (I)	3
FIL2000	Film Appreciation (W) (I)	3
THE2000^	Theatre Appreciation (I)	3
THE2300	Survey of Dramatic Literature (W) (I)	3

GROUP 4 ARCHITECTURE

ARC1701	Survey of Architectural History (W) (I)	3
ARC2201	Theory of Architecture (W) (I)	3

GROUP 5 PHILOSOPHY

PHI1100	Introduction to Logic (W)	3
PHI2010^	Introduction to Philosophy (W) (I)	3
PHI2600	Introduction to Ethics (W) (I)	3

GROUP 6 RELIGION

REL2000	Introduction to the Study of Religion (W) (I)	3
REL2300	World Religions (W) (I)	3

AREA 3 SOCIAL/BEHAVIORAL SCIENCES

Take one Social Science and one Behavioral Science. At least one course must be from the Core list. Both courses can be from the Core list.

CORE

AMH2020	History of the United States since 1877 (W)	3
ANT2000	Introduction to Anthropology (W) (I)	3
ECO2013	Principles of Macroeconomics (W) (I)	3
POS2041	National Government (W)	3
PSY2012	General Psychology (W) (I)	3
SYG2000	Principles of General Sociology (W) (I)	3

GROUP 1 SOCIAL SCIENCE

AMH2010	History of the United States to 1877 (W)	3
AMH2020^	History of the United States since 1877 (W)	3
AMH2091	Survey of African American History (W) (I)	3
ECO2013^	Principles of Macroeconomics (W) (I)	3
EUH1000	Western Civilization: Ancient through Renaissance (W) (I)	3
EUH1001	Western Civilization: Reformation through Modern (W) (I)	3
GEA2000	World Geography (W) (I)	3
GEA2030	Geography of the Eastern World (W) (I)	3
GEA2040	Geography of the Western World (W) (I)	3
GEO1000	Introduction to Geography (W) (I)	3
GEO2370	Conservation of Natural Resources (W) (I)	3
GEO2420	Introduction to Human/Cultural Geography (W) (I)	3
INR2002	Introduction to International Relations (W) (I)	3
POS2041^	National government (W)	3
POS2112	State & Local Government (W)	3
WOH2040	World in the Twentieth Century (W) (I)	3

GROUP 2 BEHAVIORAL SCIENCE

ANT2000^	Introduction to Anthropology (W) (I)	3
ANT2140	Introduction to Archaeology (W) (I)	3
ANT2211	Introduction to World Ethnology (W) (I)	3
DEP2002	Developmental Psychology I: Child Psychology (W) (I)	3
DEP2004	Developmental Psychology (W) (I)	3
DEP2302	Developmental Psychology II: Adol & Young Adult (W) (I)	3
PSY2012^	General Psychology (W) (I)	3
SOP2002	Social Psychology (W) (I)	3
SYG2000^	Principles of General Sociology (W) (I)	3
SYG2010	Social Problems (W) (I)	3
SYG2340	Sociology of Human Sexuality (W) (I)	3

AREA 4 SCIENCE

Take one Biological Science and one Physical Science and one Laboratory and one Wellness. At least one of the Biological or Physical Science courses must be from the Core list. Both courses can be from the Core list.**

Exception: Students majoring in certain science, science-related or health-related fields may take any combination of Science lecture courses (i.e. two Physical Sciences or two Biological Sciences) as designated by the State Common Prerequisite Manual for the student's specific major. One of the two courses must be a state-designated core course, and students must also take a lab course and a wellness course to meet the Science requirement for

General Education. These students must see an Advisor to update their education plans in order to graduate.

CORE

AST1002	Horizons in Astronomy	3
BSC1005	Biological Principles for Non-Majors	3
BSC2010	Introduction to Biology I	3
BSC2085	Human Anatomy & Physiology I	3
CHM1020	Introduction to Chemistry	3
CHM1045	General Chemistry I	3
ESC1000	Earth Science	3
EVR1001	Introduction to Environmental Science	3
PHY2048	General Physics with Calculus I	4
PHY2053	General Physics I	3
PHY1020*	Physics for Liberal Arts	3

GROUP 1 BIOLOGICAL SCIENCE

BOT2010	General Botany	3
BOT2800	Plants and People	3
BSC1005^	Biological Principles for Non-Majors	3
BSC1311	Introduction to Marine Biology	3
BSC2010^	Introduction to Biology I	3
BSC2085^	Human Anatomy & Physiology I	3
EVR1001^	Introduction to Environmental Science	3
ENY1001	Bugs and People	3
ZOO2010	General Zoology	3

GROUP 2 PHYSICAL SCIENCE

AST1002^	Horizons in Astronomy	3
AST1003	Astronomy of the Solar System	3
AST1004	Astronomy of Stars & Galaxies	3
CHM1020^	Introduction to Chemistry	3
CHM1032	Chemistry for Health Sciences	3
CHM1040	General Chemistry A (Expanded Sequence)	3
CHM1045^	General Chemistry I	3
ESC1000^	Earth Science	3
EVR1001^	Introduction to Environmental Science	3
GLY1010	Physical Geology	3
GLY1100	Historical Geology	3
OCE1001	Introductory Oceanography	3
PHY1001	Applied Physics	3
PHY1020*^	Physics for Liberal Arts	4
PHY2048^	General Physics with Calculus I	4
PHY2049	General Physics with Calculus II	3
PHY2053^	General Physics I	3
PSC1121	Physical Sciences Survey	

GROUP 3 BIOLOGICAL SCIENCE LABS

BOT2010L	General Botany Lab	1
BSC1005L	Biological Principles for Non-Majors Lab	1
BSC2010L	Introduction to Biology I Lab	1
BSC2085L	Human Anatomy & Physiology I Lab	1
ZOO2010L	General Zoology Lab	1

GROUP 3 PHYSICAL SCIENCE LABS

AST1022L	Astronomy Lab	1
CHM1020L	Introduction to Chemistry Lab	1
CHM1032L	Chemistry for Health Sciences Lab	1
CHM1045L	General Chemistry I Lab	1
ESC1000L	Earth Science Lab	1
GLY1010L	Physical Geology Lab	1
GLY1100L	Historical Geology Lab	1
OCE1001L	Oceanography Lab	1
PHY1001L	Applied Physics Lab	1
PHY2048L	General Physics with Calculus I Lab	1
PHY2053L	General Physics I Lab	1
PSC1121L	Physical Sciences Lab	1

GROUP 4 WELLNESS

HLP1081	Total Wellness	2
PEM1116	Functional Wellness	2
PEM1131	Weight Training	2
PEM1141	Aerobic Wellness	2
PEN1171	Aquatic Wellness	2

AREA 5 MATHEMATICS

Take two courses. At least one course must be from the Core list. Both courses can be from the Core list. **

CORE

MAC1105	College Algebra	3
MAC2311	Calculus & Analytical Geometry I	5
MGF1106	Foundations of Mathematical Reasoning	3
MGF1107	Survey of Mathematics	3
STA2023	Statistics	3

GROUP 1 OTHER GEN ED MATH COURSES

MAC1114	Trigonometry	3
MAC1140	Pre-Calculus Algebra	3
MAC1147	Pre-Calculus Algebra & Trigonometry	5
MAC2233	Calculus for Business, Social & Life Sciences	3
MAC2312	Calculus & Analytical Geometry II	5

^This is a Core Course.

** Any student who successfully completes a mathematics or natural science course for which one of the General Education Core Course options is an immediate prerequisite shall be considered to have completed the mathematics or science core requirement.

* This course is not offered at Broward College. It will be accepted as General Education Core transfer credit from other Florida colleges and state universities.

(I) = this course counts toward the international/intercultural requirement in the AA and baccalaureate degrees.

(W) = this course counts toward the writing requirement in the AA and baccalaureate degrees.

Associate of Arts - Honors
Program Code 1010H

Program Description: The Associate of Arts (AA) degree is the traditional transfer degree. Students who earn the AA are able to remain at Broward College, transfer to another state college, or a state university in order to continue their education and pursue a baccalaureate degree. The Associate of Arts – Honors degree is for students admitted to the Robert "Bob" Elmore Honors College of Broward College.

Program Entrance Requirements: HS Diploma or GED, Broward College application, and Honors College application. Honors eligibility criteria is as follows:

- Incoming high school students[1]
    - High School GPA: 3.5 unweighted **OR**
    - Test Scores
        - SAT: 1170 (minimum 550 reading and 550 math)
        - ACT: 22 (minimum 21 English, 21 math, 22 reading)
        - PERT: 113 reading, 123 math, 123 writing
- Current/Transfer students
    - Eligible for college-level math, English, and reading courses
    - Earned at least 6 college-level credits
    - 3.5 Overall/Honors GPA for all completed college-level coursework
- "Gap" Year Students*

  Current Broward College students who cannot meet the above criteria due to a lower than 3.5 Overall/Honors GPA and who began their college career at Broward College or a different university/institution can be given permission to register for Honors classes if they meet the following:
    - Have at least one year in between their previous enrollment at Broward College or at their other previous university/institution
    - Earned at least 6 college-level credits at Broward College
    - 3.5 Broward Cumulative GPA
- Provisional Admission*

  Students who do not meet any of the above criteria and who would like to be given a chance to complete Honors classes can receive provisional admission to register for Honors classes if they have a minimum Broward College Cumulative GPA of 3.3 and if they provide the following:
    - A letter of recommendation from a faculty member
    - A brief essay (1-2 pages in length, double-spaced) stating their reasons for wishing to be considered for the Honors program and their academic goals

*If permitted to register for Honors classes, "Gap" Year and Provisional Admission students will only be eligible to receive Honors Scholarships and earn the Honors Certificate if they achieve and maintain a 3.5 Overall/Honors GPA while completing their coursework.

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[1] Any combination of test scores can be used to determine eligibility.

Additional Program Information: The Associate of Arts - Honors degree includes 36 credit hours of General Education and an additional 24 credit hours of electives. To earn the Honors AA degree, 18 of these 60 credit hours must be for earned Honors credit, including the HUM1020-Honors Introduction to the Humanities and IDH2121-Honors Interdisciplinary Studies in General Education courses. The elective credit hours should be selected based on the student's transfer major. Students are encouraged to review the state's Common Course Prerequisite Manual (www.flvc.org/partner-portal/common-prerequisite-manual) for additional guidance.

Location(s): Honors courses are currently offered at the following college locations: North, Central, South, WHC, and Online. All non-Honors courses for the AA degree are offered at all college locations, including online. Please consult the course schedule for specific semester locations.

Contact Information: Quakish Liner, District Director, Honors College, 954-201-7645, honorsinfo@broward.edu, www.broward.edu/honors

Program Learning Outcomes

General Education Competencies

CRITICAL THINKING

- Explain questions, problems and/or issues
- Analyze and interpret relevant information
- Evaluate information to determine potential conclusions
- Generate a well-reasoned conclusion

EFFECTIVE COMMUNICATION

- Write clearly and coherently
- Speak and listen interactively
- Apply non-verbal communication techniques

ETHICAL REASONING

- Recognize ethical issues
- Understand different ethical perspectives
- Apply ethical perspectives or concepts
- Evaluate different ethical perspectives or concepts

GLOBAL SELF-AWARENESS

- Demonstrate an appreciation for diversity and inclusion
- Apply multiple viewpoints and perspectives

- Demonstrate an understanding of human relationships with the world
- Collaborate to solve problems

INFORMATION LITERACY

- Locate information
- Read with critical comprehension
- Evaluate information
- Use information effectively to support an argument or solve a problem
- Cite sources

MATHEMATICAL AND SCIENTIFIC REASONING

- Demonstrate quantitative reasoning
- Develop graphical facility
- Apply a deductive and/or inductive approach to inquiry
- Demonstrate methodical problem-solving

Individual courses in the General Education program should align to at least one element of the competencies to which it maps.

Honors Program Learning Outcomes

- Identify a topic and question suitable for academic research
- Identify academic sources relevant to an appropriate research topic
- Interpret and evaluate a diversity of academic sources
- Produce a research project which makes accurate and original use of academic sources
- Demonstrate leadership skills

Film Production Technology AS - 2510

Career Pathway: Arts, Humanities, Communication & Design (AHCD)

Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Film Production Technology is for students who seek entry-level employment in the field of film and video production and desire advancement. Some careers, to which this sequence may lead, are camera operator, video editor, film production crew, sound editor, film and video producer, director and cinematographer. Visit program's website for additional information.

Build Your Education

Motion Picture Production Management (TC1) 6346 → Film Production Fundamentals (TC2) 6343 → Motion Picture Production (TC3) 6344 → Motion Picture Post Production (TC4) 6345 → Film Production Technology AS 2510 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3	TC4
Term 1	Term 1	FIL1420C	Film 1: Introduction to Filmmaking	4	X	X	X	X
		FIL1552C	Film Editing	3	X	X		X
	Term 2	ENC1101	English Composition	3				
		Elective*	Elective Course	3				
Term 2	Term 3	GE Course	General Education Mathematics	3				
		FIL1100	Screenwriting I	3	X	X		
	Term 4	FIL2438C	Film 2: Nonfiction Filmmaking	4		X	X	
		FIL2537C	Sound Design	3	X	X		X
Term 3	Term 5	FIL2647	Film Producing & Production Management	3	TC1	X		
		FIL2000	Film Appreciation	3				
Term 4	Term 6	FIL1131	Screenwriting II	3				
		FIL2432C	Film 3: Fiction Filmmaking	4		TC2	X	
	Term 7	GE Course	General Education Social/Behavioral Science	3				
		FIL2611	Film Business & Entrepreneurship	3			TC3	
Term 5	Term 8	FIL2515C	Film 4: Producing the Short Film	4				
		FIL2471C	Visual Effects	3				X
	Term 9	GE Course	General Education Science	3				
		Elective*	Elective Course	3				
Term 6	Term10	FIL2572C	Advanced Post Production	3				TC4
		SPC1024 or SPC1608	Intro to Speech Communication or Introduction to Public Speaking	3				
Total Program Credit Hours				***64***	16	24	16	16

Notes: *Student may have to take MAT1033, STA1001, or CGS1060C based on placement score instead of a Film Elective. Film Electives are satisfied by taking any of the following courses: FIL2945, FIL2930, FIL1456C, PGY2401C, TTP2110C, TPP211C, TPP2260C, TPA2200, or TPA2248.

- Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan through the office of the Visual & Performing Arts Department on Central Campus (Building 6, Room 102).

CHOOSE YOUR COURSES

Associate of Science in Music Technology – 2206

Career Pathway: Arts, Humanities, Communication & Design (AHCD)

Location(s): General Education courses are offered at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus

Program Description: The Associate of Science degree in Music Technology is designed for students who intend to seek employment in the commercial music field and for those who are presently employed in the music technology field and desire advancement. Some of the careers, to which this sequence may lead, are recording engineer, sound designer, live sound reinforcement engineer and producer. Visit program's website for more information.

Program Entrance Requirements: A proficiency level equal to MUT1001 (Fundamentals of Music). Student are recommended to take MUT1001 if their proficiency level does not meet the requirement.

Build Your Education

Audio Technology (TC1) 6309 → **Music Technology AS 2206** → **Bachelors of Applied Science**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1
Term 1	Term 1	MUS1360	Introduction to Music Technology	1	X
		MUT1271C	Musicianship for Music Technology I	3	
		ENC1101	Composition I	3	
	Term 2	MUL2010	Music Appreciation	3	
		GE Course	General Education Mathematics°	3	
Term 2	Term 3	MUS2342C	Digital Audio I	3	X
		MUS2344C	Midi Systems	3	X
		MUT1272C	Musicianship for Music Technology II	3	
	Term 4	MUM2620C	Acoustics and Audio Technology	2	X
		SPC1024 or SPC1608	Introduction to Speech Communications (or) Introduction to Public Speaking	3	
Term 3	Term 5	MUM1600C	Intro to Recording Studio Proc.	3	X
		MUS2348C	Digital Audio 2	3	X or
	Term 6	MUS2361C	Advanced MIDI Production	3	
		MUS2332C	Live Sound Reinforcement	3	TC1 or
Term 4	Term 7	MUM2601C	Recording Studio Techniques II	3	
		MUM2640C	Post Production Sound	3	
	Term 8	MUM2700	Music Business	3	
		GE Course	General Education Science	3	
		Elective*	Applied Music or Ensemble Elective	1	
Term 5	Term 9	MUS2349C	Advanced Projects in Music Production	3	
		GE Course	General Education Social/Behavioral Science	3	
	Term 10	Elective**	Music Technology Elective	3	
		MUS2940	Internship	3	
Total Program Credit Hours				64	15

Note: * Applied Music Elective: any course with a MVB, MVJ, MVK, MVO, MVP, MVS, MVV, MVW prefix

** Music Technology Elective: MUM2730, MUM2602C, GRA1144C, or GEB1011.

The MUT1001, MAT1033, STA1001 courses are not part of the program of study. Therefore, students may not be eligible for federal financial aid support for these specific courses.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in New Media Communication – 2512

Career Pathway: Arts, Humanities, Communication & Design (AHCD)

Location(s): General Education courses are offered at all BC locations. Program specific courses are offered at Judson A. Samuels South Campus and North Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate in Science degree in New Media Communication is designed to develop students' knowledge and skills to navigate the changing communication landscape and acquire the appropriate business acumen for employment as Communication Specialists, New Media Coordinators, Digital Journalists, and/or entry-level Communication Managers. Visit the Program's website for additional information.

Build Your Education

New Media Communication Leadership (TC1) 6356 → New Media Communication AS 2512 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1
Term 1	Term 1	ENC1101	Composition I	3	
		MMC1000	Introduction to Mass Communication	3	X
	Term 2	CGS1060C	Computer & Internet Literacy	3	
		PSY2012 or Elective*	Intro to Psychology or Elective*	3	
Term 2	Term 3	STA2023	Statistics	3	
		SPC1608 or SPC1024	Public Speaking or Speech Communication	3	
	Term 4	COM2336	Computer Mediated Communication	3	x
		BSC1005 or EVR1001	Biology for Non Majors or Environmental Science	3	
Term 3	Term 5	PHI2010**	Intro to Philosophy	3	
		PGY1801C	Photoshop Design	3	
Term 4	Term 6	MMC2121	Writing Fundamentals for Communication	3	X
		PGY1802C	Digital Photography	3	
	Term 7	COM2412	Communication Methods & Culture	3	
		GRA1144C	Web Design 1	3	
Term 5	Term 8	GRA2380C	User Experience & Interface Design	3	
		COM2370	New Media Communication Applications I	3	X
	Term 9	Elective or PSY2012	Elective* or Intro to Psychology	3	
		COM2372	New Media Communication for Business	3	X
Term 6	Term 10	COM2371	New Media Communication Applications II	3	TC1
		COM2941	New Media Communication Internship/Capstone	3	
Total Program Credit Hours				60	18

Notes: *Student may have to take MAT1033 or STA1001 based on placement score. *If the student does not need MAT1033 or STA1001 the student is free to take any ART elective or preapproved pre-requisite for transfer/program. –Many courses have specific pre-requisite and co-requisite requirements that must be followed. **Course meets writing requirement. **Students are strongly encouraged to meet with an advisor to create an educational plan.**

CHOOSE YOUR COURSES

Associate of Science in Graphic Design – 2192

Career Pathway: Arts, Humanities, Communication & Design (AHCD)

Location(s): General Education courses are offered at all BC locations. Program specific courses are offered at the Willis Holcombe Center in Downtown Fort Lauderdale

Program Entrance Requirements: HS Diploma or GED

Program Description: The Graphic Design Program is designed to prepare students for the rapidly changing computer driven graphic design industry. Primary job titles include, Web Designer, Graphic Artist, Publication Designer, Illustrator, Packaging Designer, and Advertising Creative. Visit the Program's website for additional information.

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3	TC4
Term 1	Term 1	ENC1101	Composition I	3			TBA	TBA
		ART1300C*	Drawing I	3	X	X		
	Term 2	ART1201C	2-D Design	3	X	X		
		ARH2051	Art History: Renaissance – Modern	3				
Term 2	Term 3	GRA1110C	Applied Design 1	3				
		GE Course	General Education Mathematics	3				
	Term 4	PGY1801C	Photoshop Design	3	X	X		
		GRA1151C	Illustration Design 1	3	X	X		
Term 3	Term 5	SPC1024 or SPC1608	Intro to Speech Communication or Introduction to Public Speaking	3				
		PSY2012	General Psychology	3				
Term 4	Term 6	GRA2121C	Publication Design	3	TC1	X		
		GRA1201C	Typographic Design	3		X		
	Term 7	PGY1802C	Digital Photography	3		X		
		GRA1144C	Web Design 1	3		X or		
Term 5	Term 8	GRA2171C	Branding & Ad Design	3		X or		
		GRA2157C	Illustration 2	3		or TC2		
	Term 9	GRA2754C	Web Design 2	3				
		GE Course	General Education Science	3				
Term 6	Term 10	GRA2180C or GRA2380C	Applied Design 2 or User Experience & Interface Design	3				
		GRA2185C or GRA 2810C	Design Production or SEO & Social Media Design	3				
	Term 11	GRA2425C	Portfolio & Business of Design	3				
		GRA2940C	Graphic Design Internship	1				
Total Program Credit Hours				64	15	24		

Notes: *Student may have to take MAT1033 or STA1001 based on placement score instead of ART1300C. *Completion of the Graphic Design Program will satisfy the College's computer literacy requirement. *In addition to class time (4.5 hours for the A.S. Program), students will be expected to put in a total of 9 hours per week to accomplish stated objectives, either as homework or to attend posted lab / studio hours. Sign-in is required.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Accounting Technology - 2100

Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Accounting Technology is designed for students who intend to seek employment in the accounting field and for those who are presently employed in accounting and desire advancement. Visit the program's website for more information.

Build Your Education

Accounting Specialist (TC1) 6324 → Accounting Operations (TC2) 6323 → Accounting Management (TC3) 62140 → Accounting Technology AS 2100 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	Term 1	ENC1101	Composition I	3			
		ACG2001	Principles of Accounting I	3	X	X	X
	Term 2	CGS1060C	Computer and Internet Literacy	3	X	X	X
		SPC1608 OR SPC1024	Public Speaking or Intro to Speech Communications	3	X	X	X
	Term 3	GE Course	General Education Mathematics	3			
Term 2		ACG2011	Principles of Accounting II	3	TC1	X	X
	Term 4	GEB1011	Introduction to Business	3			X
		ACG2450C	Computerized Accounting Applications	3		X	X
	Term 5	Elective*	Elective Course	3			X
		GE Course	General Education Humanities	3			
Term 3	Term 6	ACG2071	Managerial Accounting	3		TC2	X
		BUL2241	Business Law I	3			
Term 4	Term 7	TAX2000	Income Tax I	3			TC3
		ACG2100	Intermediate Accounting I	3			
	Term 8	OST2335	Communications in the Workforce	3			
		ECO2013	Principles of Economics I	3			
Term 5	Term 9	Elective*	Elective Course	3			
		TAX2010	Income Tax II	3			
	Term 10	ACG2110	Intermediate Accounting II	3			
		GE Course	General Education Science	3			
Total Program Credit Hours				*60*	*12*	*18*	*27*

Notes: *Business Electives: ECO2023, FIN1100, GEB2112, MAN2021, MAN2604, MAR1011, MNA1161, REE1040, and MAT1033/STA1001 (Based on placement)

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Business Administration -2119

Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Business Administration trains individuals to assume management or supervisory positions in business, industry, and government. It provides basic skills in a broad range of business functions including accounting computer usage, management, and marketing. Visit the program's website for more information.

Build Your Education

Business Specialist (TC 1) 6288 → *Business Operations (TC 2) 6320* → *Business Management (TC 3) 62671* → ***Business Entrepreneurship (TC4) 6350*** → *Business Administration AS 2119* → *Bachelor of Applied Science*

Recommended Course Sequence
Management Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	*Term 1*	CGS1060C	Computer and Internet Literacy	3	X	X	X
		GEB1011	Introduction to Business	3	X	X	X
	Term 2	ACG2001 or APA1111C	Principles of Accounting (Preferred) or Introduction to Accounting	3			
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3	X	X	X
Term 2	*Term 3*	ENC1101	Composition I	3			
		ECO2013	Principles of Macroeconomics	3			
	Term 4	MNA2345	Principles of Supervision	3	TC1	X	X
		MAR1011	Principles of Marketing	3		X	X
Term 3	*Term 5*	MAC1105 or STA2023	College Algebra or Statistics	3			
		MAN2604	International Business Environment	3		TC2	X
Term 4	*Term 6*	GE Course	General Education Humanities	3			
		ACG2450C	Computerized Accounting Applications	3			
	Term 7	BUL2241	Business Law 1	3			X
		GEB2112	Entrepreneurship	3			TC3
Term 5	*Term 8*	OST2335	Communications in Workforce	3			
		ECO 20203	Principles of Microeconomics	3			
Term 6	*Term 9*	MAN2021	Introduction to Management	3			
		CTS1225C or OST2852C	Excel Spreadsheet or Database Management for Office	3			
	Term10	GE Course	General Education Science	3			
		Elective*	Business Elective Course	3			
Total Credits				***60***	12	18	24

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take a Business elective -any ACG, GEB, MKA, MNA, MAN, MAR, TRA, FIN, BUL, RMI, QMB, REE or ECO course. **ACG2001 Core Requirement- A student must take an additional business elective if the student completes ACG2001 and wants to specialize in accounting. -Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Human Resources Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	*Term 1*	CGS1060C	Computer and Internet Literacy	3	X	X	X
		GEB1011	Introduction to Business	3	X	X	X
	Term 2	ACG2001 APA1111C	Principles of Accounting (Preferred) or Introduction to Accounting	3			
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3	X	X	X
Term 2	*Term 3*	ENC1101	Composition I	3			
		ECO2013	Principles of Macroeconomics	3			
	Term 4	MAN2300	Introduction to Human Resource Management	3	TC1	X	X
		MAR1011	Principles of Marketing	3		X	X
Term 3	*Term 5*	MAC1105 or STA2023	College Algebra or Statistics	3			
		MNA2403	Introduction to Human Resources Law & Regulations	3		TC2	X
Term 4	*Term 6*	GE Course	General Education Humanities	3			
		ACG2450C	Computerized Accounting Applications	3			
	Term 7	BUL2241	Business Law I	3			X
		MNA2329	Case Studies in HR Management	3			TC3
Term 5	*Term 8*	OST2335	Communications in Workforce	3			
		ECO2023	Principles of Microeconomics	3			
	Term 9	MAN2021	Introduction to Management	3			
		CTS1225C or OST2852C	Excel Spreadsheet or Database Management for Office	3			
Term 6	*Term10*	GE Course	General Education Science	3			
		Elective*	Business Elective Course	3			
Total Credits				*60*	12	18	24

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take a Business elective -any ACG, GEB, MKA, MNA, MAN, MAR, TRA, FIN, BUL, RMI, QMB, REE or ECO course. **ACG2001 Core Requirement- A student must take an additional business elective if the student completes ACG2001 and wants to specialize in accounting. -Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Insurance/Risk Management Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	*Term 1*	CGS1060C	Computer and Internet Literacy	3	X	X	X
		GEB1011	Introduction to Business	3	X	X	X
	Term 2	ACG2001 APA1111C	Principles of Accounting (Preferred) or Introduction to Accounting	3			
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3	X	X	X
Term 2	*Term 3*	ENC1101	Composition I	3			
		ECO2013	Principles of Macroeconomics	3			
	Term 4	RMI2662	Introduction to Risk Management & Insurance	3	TC1	X	X
		MAR1011	Principles of Marketing	3		X	X
Term 3	*Term 5*	MAC1105 or STA2023	College Algebra or Statistics	3			
		RMI2110	Personal Insurance Planning	3		TC2	X
Term 4	*Term 6*	GE Course	General Education Humanities	3			
		ACG2450C	Computerized Accounting Applications	3			
	Term 7	BUL2241	Business Law I	3			X
		RMI2212	Personal Business & Property Insurance	3			TC3
Term 5	*Term 8*	OST2335	Communications in Workforce	3			
		ECO2023	Principles of Microeconomics	3			
	Term 9	MAN2021	Introduction to Management	3			
		CTS1225C or OST2852C	Excel Spreadsheet or Database Management for Office	3			
Term 6	*Term10*	GE Course Elective*	General Education Science	3			
			Business Elective Course	3			
Total Credits				*60*	12	18	24

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take a Business elective -any ACG, GEB, MKA, MNA, MAN, MAR, TRA, FIN, BUL, RMI, QMB, REE or ECO course. **ACG2001 Core Requirement- A student must take an additional business elective if the student completes ACG2001 and wants to specialize in accounting. -Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Marketing & Sales Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	*Term 1*	CGS1060C	Computer and Internet Literacy	3	X	X	X
		GEB1011	Introduction to Business	3	X	X	X
	Term 2	ACG2001 or APA1111C	Principles of Accounting (Preferred) or Introduction to Accounting	3			
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3	X	X	X
Term 2	*Term 3*	ENC1101	Composition I	3			
		ECO2013	Principles of Macroeconomics	3	TC1		
	Term 4	MKA1021	Salesmanship	3		X	X
		MAR1011	Principles of Marketing	3		X	X
Term 3	*Term 5*	MAC1105 or STA2023	College Algebra or Statistics	3			
		MKA1511	Advertising	3		TC2	X
Term 4	*Term 6*	GE Course	General Education Humanities	3			
		ACG2450C	Computerized Accounting Applications	3			
	Term 7	BUL2241	Business Law I	3			X
		MNA1161	Introduction to Customer Service	3			TC3
Term 5	*Term 8*	OST2335	Communications in Workforce	3			
		ECO2023	Principles of Microeconomics	3			
	Term 9	MAN2021	Introduction to Management	3			
		CTS1225C or OST2852C	Excel Spreadsheet or Database Management for Office	3			
Term 6	*Term10*	GE Course	General Education Science	3			
		Elective*	Business Elective Course	3			
Total Credits				*60*	12	18	24

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take a Business elective -any ACG, GEB, MKA, MNA, MAN, MAR, TRA, FIN, BUL, RMI, QMB, REE or ECO course. **ACG2001 Core Requirement- A student must take an additional business elective if the student completes ACG2001 and wants to specialize in accounting. -Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Banking Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	*Term 1*	CGS1060C	Computer and Internet Literacy	3	X	X	X
		GEB1011	Introduction to Business	3	X	X	X
	Term 2	ACG2001 or APA1111C	Principles of Accounting (Preferred) or Introduction to Accounting	3			
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3	X	X	X
Term 2	*Term 3*	ENC1101	Composition I	3			
		ECO2013	Principles of Macroeconomics	3	TC1		
	Term 4	FIN1100	Personal Finance	3		X	X
		MAR1011	Principles of Marketing	3		X	X
Term 3	*Term 5*	MAC1105 or STA2023	College Algebra or Statistics	3			
		ECO2220	Money & Banking	3		TC2	X
Term 4	*Term 6*	GE Course	General Education Humanities	3			
		ACG2450C	Computerized Accounting Applications	3			
	Term 7	BUL2241	Business Law I	3			X
		FIN2051	Finance of International Trade	3			TC3
Term 5	*Term 8*	OST2335	Communications in Workforce	3			
		ECO2023	Principles of Microeconomics	3			
	Term 9	MAN2021	Introduction to Management	3			
		CTS1225C or OST2852C	Excel Spreadsheet or Database Management for Office	3			
Term 6	*Term10*	GE Course	General Education Science	3			
		Elective*	Business Elective Course	3			
Total Credits				*60*	12	18	24

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take a Business elective -any ACG, GEB, MKA, MNA, MAN, MAR, TRA, FIN, BUL, RMI, QMB, REE or ECO course. **ACG2001 Core Requirement- A student must take an additional business elective if the student completes ACG2001 and wants to specialize in accounting. -Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Accounting Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	*Term 1*	CGS1060C	Computer and Internet Literacy	3	X	X	X
		GEB1011	Introduction to Business	3	X	X	X
	Term 2	ACG2001 or APA1111C	Principles of Accounting (Preferred) or Introduction to Accounting	3			
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3	X	X	X
Term 2	*Term 3*	ENC1101	Composition I	3			
		ECO2013	Principles of Macroeconomics	3	TC1		
	Term 4	ACG2011	Principles of Accounting II	3		X	X
		MAR1011	Principles of Marketing	3		X	X
Term 3	*Term 5*	MAC1105 or STA2023	College Algebra or Statistics	3			
		ECO2220	Money & Banking	3		TC2	X
Term 4	*Term 6*	GE Course	General Education Humanities	3			
		ACG2450C	Computerized Accounting Applications	3			
	Term 7	BUL2241	Business Law I	3			X
		Elective*	Business Elective	3			TC3
Term 5	*Term 8*	OST2335	Communications in Workforce	3			
		ECO2023	Principles of Microeconomics	3			
	Term 9	MAN2021	Introduction to Management	3			
		CTS1225C or OST2852C	Excel Spreadsheet or Database Management for Office	3			
Term 6	*Term10*	GE Course	General Education Science	3			
		Elective*	Business Elective Course	3			
Total Credits				*60*	12	18	24

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take a Business elective -any ACG, GEB, MKA, MNA, MAN, MAR, TRA, FIN, BUL, RMI, QMB, REE or ECO course. **ACG2001 Core Requirement- A student must take an additional business elective if the student completes ACG2001 and wants to specialize in accounting. -Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Business Analytics-2508

Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations. Some courses may only be offered at the A. Hugh Adams Central Campus. Please consult the course schedule for specific semester locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Business Analytics, offered at all campuses, trains individuals to assume business analyst positions in business, industry, and government. It provides basic skills in a broad range of business functions including accounting, computer usage, data Visualization, and database report creation. Visit the program's website for more information.

Build your Education

Business Specialist (TC1) 6288 → *Business Operations (TC2) 6320* → *Business Analytics AS 2508* → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	Composition I	3		
		STA2023	Statistics	3		
	Term 2	CGS1060C	Computer and Internet Literacy	3	X	X
		ACG2001	Principles of Accounting I	3		
Term 2	Term 3	SPC1608	Introduction to Public Speaking	3	X	X
		ENC1102	Composition II	3		
	Term 4	ECO2013	Principles of Macroeconomics	3	X	X
		CGS1510C	Electronic Spreadsheet	3		
Term 3	Term 5	GE Course	General Education Humanities	3		
		MAR1011	Principles of Marketing	3	TC1	X
Term 4	Term 6	QMB2302C	Applied Business Analytics	3		
		MKA2701C	Data Collection and Presentation	3		
	Term 7	Elective*	Elective Course (recommended TC2-GEB1011)	3		X
		ECO2023	Principles or Microeconomics	3		TC2
Term 5	Term 8	MAR2644C	Data Based Marketing	3		
		Elective*	Elective Course	3		
	Term 9	Elective**	Elective Course (CS)	3		
		ECO2220	Money and Banking	3		
Term 6	Term 10	Elective**	Elective Course (CS)	3		
		GE Course	General Education Science	3		
Total Program Credit Hours				***60***	12	18

*Business Electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does need MAT1033 or STA1001, the course will count as an elective course. The student must take two Business electives -any ACG,APA GEB, MKA, MNA, MAN, MAR, TRA, FIN, FSS, FOS, HFT, ISM, MTB, QMB, OST, BUL, RMI or ECO course.

**Computer Science Electives - The student must take two Computer Science electives -any CTS, CGS, CEN, or COP course.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Culinary Arts Management -2203

Career Pathway: Business

Location(s): General Education courses for this program are offered at all BC locations. While most of the program can be completed at any BC location, the Hospitality (HFT) courses are only offered at the A. Hugh Adams Central Campus. Please consult the course schedule for specific semester locations. *The Culinary Arts (FOS and FSS) credits are awarded once the student has completed the appropriate program at the Technical College.*

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Culinary Arts Management emphasizes the development of practical culinary and management skills. The program is a joint program between Broward College and Broward Technical Colleges (Atlantic, McFatter, and Sheridan Technical Colleges). Students who enroll in this program are required to complete the Commercial Foods & Culinary Arts program at one of the Broward Technical College, in which 36 college credits will be awarded toward the Culinary Arts Management AS degree at Broward College. Students are also required to complete the Broward College courses listed below. Visit the program's website for more information.

Build Your Education

Culinary Arts Program from Technical College → Culinary Arts Management AS 2203 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		GE Course	General Education Mathematics	3
	Term 2	CGS1060C	Computer and Internet Literacy	3
		ECO2013	Principles of Macroeconomics	3
Term 2	Term 3	GE Course	General Education Humanities	3
		GE Course	General Education Science	3
	Term 4	HFT2460	Financial Management	3
		Elective *	Elective Course	3
Term 3	Term 5	SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3
		GEB2460	Business Ethics	1
Total Technical College Articulated Credits				***36***
Total Program Credit Hours				***64***

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take a Business elective -any ACG, GEB, MKA, MNA, MAN, MAR, FIN, FSS, HFT, BUL, or ECO course.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Hospitality Arts Management- 2121

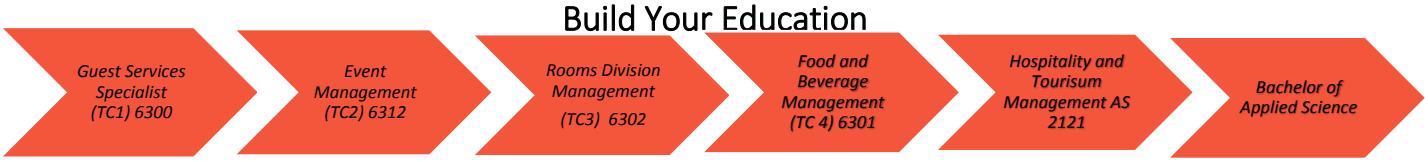
Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations. The Hospitality (HFT) courses are only offered at the A. Hugh Adams Central Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Hospitality and Tourism Management programs, offered at A. Hugh Adams Central Campus, emphasize the development of management skills needed in the hospitality industry. The General Education requirements of the program develop students' abilities in leadership, communications, and interpersonal skills. Visit the program's website for more information.

Build Your Education



Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3	TC4
Term 1	Term 1	ENC1101	Composition I	3				
		HFT1050	Introduction to Hospitality & Tourism Management	3		X	X	
	Term 2	CGS1060C	Computer and Internet Literacy	3		X	X	X
		GE Course	General Education Mathematics	3				
Term 2	Term 3	ENC1102	Composition II	3				
		HFT2410	Front Office Systems/Procedures	3	X	X	X	X
	Term 4	HFT2511	Convention and Group Business Marketing Management	3		X	X	
		HFT2250	Hotel Management	3	X	X	X	X
Term 3	Term 5	SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3				
		GEB1011	Introduction to Business	3				
		HFT2220	Organization & Personnel Management	3	X			X
Term 4	Term 6	HFT1210	Supervisory Development	3	X		X	X
		GE Course	General Education Humanities	3				
	Term 7	ECO2013	Principles of Macroeconomics	3		X	X	
		HFT2460 or ACG2001	Financial Management or Principles of Accounting I	3		X	X	
Term 5	Term 8	HFT2500	Marketing	3		TC2	X	
		Elective	Elective Course (recommended TC1 & TC4- QMB1001)	3	TC1			X
	Term 9	HFT2600	Hospitality Law	3			TC3	X
		ECO2023	Principles of Microeconomics	3				
Term 6	Term 10	GE Course	General Education Science	3				
		GE Course	General Education Science Lab	1				
		Elective	Elective Course (recommended TC4- FSS2500, OST2335, & MNA1161)	3				TC4
Total Program Credits Hours				***64***	15	24	30	30

Business Group: select from - ACG1003, ACG2011, ACG2071, ACG2001, ACG2450C, ECO2023, ECO2220, MAR2141, FIN1100, MAN2021, ECO2013, MNA1161, MNA1821C, MNA2345, FIN2051, GEB1011, GEB2112, MAN2604, MAR1011, QMB1001, FSS2500 **Marketing Group: select from - MKA1511, MAR2141, MKA1930, MKA2042, MKA2931, MKA2932, MAR1011, HFT2500, HFT2511, MKA1021 ***Law Group: select from - BUL2241, BUL2242, HFT2600 ****Management Group: select from - HFT1210, MAN2021, MNA2345, HFT2220 *****Finance Accounting Group: select from - ACG2011, ACG2071, ACG2001, HFT2460

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Marketing Management - 2126

Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Marketing Management, emphasizes the development of management and leadership skills needed in marketing occupations such as advertising, selling, entrepreneurship, and international business. This program may enable students to transfer to senior institutions that offer a bachelor's degree in marketing. Visit the program's website for more information.

Build Your Education

Entrepreneurship (TC 1) 6311 → *Marketing Operations (TC 2) 6240* → *Marketing Management AS 2126* → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	Composition 1	3		
		CGS1060C	Computer and Internet Literacy	3		
	Term 2	GEB1011	Introduction to Business	3		X
		ACG2001 or APA1111C	Principles of Accounting I or Introduction to Accounting	3	X	
Term 2	Term 3	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3		X
		MAR1011	Principles of Marketing	3	X	X
		GEB2112	Entrepreneurship	3	X	X
	Term 4	Elective*	Elective Course (recommended for TC1- GEB2949; TC2- MAR2141)	3	TC1	X
Term 3	Term 5	GE Course	General Education Math	3		
		MNA1161	Intro to Customer Service	3		X or
Term 4	Term 6	ECO2013	Principles of Macroeconomics	3		
		MKA2042	Retailing	3		X or
	Term 7	OST 2852C	Data Base Management	3		
		MKA1930	Seminar I: Marketing in Perspective	3		X
Term 5	Term 8	MKA1021	Salesmanship	3		X
		MAN2021	Introduction to Management	3		
	Term 9	MKA 1511	Advertising	3		X
		GE Course	General Education Humanities	3		
Term 6	Term 10	GE Course	General Education Science	3		
		Elective*	Elective Course (recommended for TC2- MNA1821C)	3		TC2
Total Program Credit Hours				*60*	*12*	*30*

Notes: *Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student must take MAT1033 or STA1001, the student will have to take two additional business electives from the list provided. If the student does not need MAT1033 or STA1001, the student must take two courses from the list provided: BUL2241, BUL2242, ECO2023, FIN1100, FIN2051, MAN2604, MAR2141, MKA2931, MKA2932, MNA1821C, QMB1001, or GEB2949.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Office Administration 22112

Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations. The program specific courses are offered at the North Campus, the Judson A. Samuels South Campus, and BC Online.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Office Administration Associate of Science Degree emphasizes competencies used by various office support personnel. Students will have the opportunity to develop expert skills in keyboarding, software applications, business ethics and communications, and office management. Visit the program's website for more information.

Build Your Education

Office Support (TC1) 6279 → Office Specialist (TC2) 6280 → Office Management (TC3) 6237 → Medical Office Management (TC4) 6281 → Office Administration AS 22112 → Bachelor of Applied Science

Recommended Course Sequence - Management Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	Term 1	CGS1060C*	Computer & Internet Literacy	3	X	X	X
		OST1100C	Keyboarding and Document Processing I	3	X	X	X
		ENC1101	Composition I	3			
	Term 2	OST2335	Communications in the Workforce	3	X	X	X
		OST2764C	Advanced Word	3	TC1	X	X
Term 2	Term 3	GE Math	General Education Math	3			
		GEB1011	Introduction to Business	3			
	Term 4	APA1111C	Introduction to Accounting	3		X	X
		OST2852C	Database Management for the Office	3		TC2	X
Term 3	Term 5	OST2501	Office Management	3			X
		PSY2012	General Psychology	3			
Term 4	Term 6	GEB2430	Business Ethics	1			X
		OST2053	Successful Job Search	1			X
	Term 7	QMB1001	Business Math	3			X
		OST1330	Business English	1			TC3
Term 5	Term 8	GE Course	General Education Humanities	3			
		GE Course	General Education Science	3			
	Term 9	Elective**	Elective Course	3			
		MAN2021	Introduction to Management	3			
		ACG2450C	Computerized Accounting Applications	3			
Term 6	Term10	MAN2345	Principles of Supervision	3			
		OST2949 or Elective**	Co-op or Elective Course	3			
Total Program Credit Hours				*60*	12	18	27

*Notes: Students who pass the Computer Competency Test and therefore do not need to take CGS1060C are required to take an approved elective in order to earn the 3 credits. **Elective – Students must select from one of the following approved courses: FIN1100, CGS1510C, OST1811C, OST1355, MKA1021, MKA1511, MNA1161, or MAT1033, STA1001.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Recommended Course Sequence
Medical Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3	TC4
Term 1	Term 1	CGS1060C*	Computer & Internet Literacy	3	X	X	X	X
		OST1100C	Keyboarding and Document Processing I	3	X	X	X	X
		ENC1101	Composition I	3				
	Term 2	OST2335	Communications in the Workforce	3	X	X	X	X
		OST2764C	Advanced Word	3	TC1	X	X	X
Term 2	Term 3	GE Math	General Education Math	3				
		OST1257	Medical Terminology	3				X
	Term 4	APA1111C	Introduction to Accounting	3		X	X	X
		OST2852C	Database Management for the Office	3		TC2	X	X
Term 3	Term 5	OST2501	Office Management	3			X	
		OST2464C	Medical Computer Applications	3				X
Term 4	Term 6	PSY2012	General Psychology	3				
		GEB2430	Business Ethics	1			X	
	Term 7	OST2053	Successful Job Search	1			X	
		QMB1001	Business Math	3			X	X
		OST1330	Business English	1			TC3	X
Term 5	Term 8	GE Course	General Education Humanities	3				
		GE Course	General Education Science	3				
	Term 9	OST2455C	Medical Billing & Coding I	3				X
		ACG2450C	Computerized Accounting Applications	3				
Term 6	Term10	OST2456C	Medical Billing & Coding II	3				TC 4
		OST2949 or Elective**	Co-op or Elective Course	3				
			Total Program Credit Hours	***60***	12	18	27	34

*Notes: Students who pass the Computer Competency Test and therefore do not need to take CGS1060C are required to take an approved elective in order to earn the 3 credits. **Elective – Students must select from one of the following approved courses: FIN1100, CGS1510C, OST1811C, OST1355, MKA1021, MKA1511, MNA1161, MAT1033, or STA1001.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Recommended Course Sequence
Risk Management Specialization

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3
Term 1	Term 1	CGS1060C*	Computer & Internet Literacy	3	X	X	X
		OST1100C	Keyboarding and Document Processing I	3	X	X	X
		ENC1101	Composition I	3			
	Term 2	OST2335	Communications in the Workforce	3	X	X	X
		OST2764C	Advanced Word	3	TC1	X	X
Term 2	Term 3	GE Math	General Education Math	3			
		RMI2212	Personal & Business Property Insurance	3			
	Term 4	APA1111C	Introduction to Accounting	3		X	X
		OST2852C	Database Management for the Office	3		TC2	X
Term 3	Term 5	OST2501	Office Management	3			X
		PSY2012	General Psychology	3			
Term 4	Term 6	GEB2430	Business Ethics	1			X
		OST2053	Successful Job Search	1			X
	Term 7	QMB1001	Business Math	3			X
		OST1330	Business English	1			TC3
Term 5	Term 8	GE Course	General Education Humanities	3			
		GE Course	General Education Science	3			
	Term 9	Elective**	Elective Course	3			
		RMI2110	Personal Insurance Planning	3			
		ACG2450C	Computerized Accounting Applications	3			
Term 6	Term10	RMI2662	Intro to Risk Management & Insurance	3			
		OST2949 or Elective**	Co-op or Elective Course	3			
Total Program Credit Hours				***60***	12	18	27

*Notes: Students who pass the Computer Competency Test and therefore do not need to take CGS1060C are required to take an approved elective in order to earn the 3 credits. **Elective – Students must select from one of the following approved courses: FIN1100, CGS1510C, OST1811C, OST1355, MKA1021, MKA1511, MNA1161, MAT1033, or STA1001.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Paralegal Studies - 2172

Career Pathway: Business

Location(s): GE courses for this program are offered at all BC locations. The Paralegal Studies (PLA) courses are only offered at the Judson A. Samuels South Campus, and the North Campus. Please consult the course schedule for specific semester locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Paralegal Studies (Legal Assisting) is a program designed for students seeking a career in a law-related field as a paraprofessional. The program is approved by the American Bar Association (ABA). Upon successful completion of this program, a student will be able to work under the supervision of an attorney and perform many vital functions as a paralegal. Paralegals may be responsible for interviewing, investigation, research, document preparation, and other tasks. They cannot, however, engage in the actual practice of law by doing such activities as giving legal advice, setting fees, negotiating, or representing clients in court. Paralegals work in law firms, legal departments of major corporations, government agencies (federal, state and local), real estate departments of large businesses, trust departments of banks, brokerage houses, and insurance companies. Visit the program's website for more information.

Additional Program Information:

Transfer Credits

Broward College's Paralegal Studies Program honors credits for courses taken at other institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education, participate in the Florida statewide course numbering system, and are judged by the appropriate common course designation and numbering system faculty task forces to be academically equivalent to legal specialty courses offered at Broward College. All other legal specialty courses that are completed and transcripted from either an accredited institution or an ABA-approved program will be evaluated by the Program Manager for specific course equivalencies and how accepted credit(s) will be applied toward specific degree requirements. No student shall be awarded credit for legal specialty courses by exam or experiential learning.

Program Graduation Requirements

- Meet BC's graduation requirements as listed in the Academic Programs and Graduation Requirements section of the College Catalog.
- Completion of 64 semester credit hours curriculum plan listed below with a degree GPA of 2.0 or higher.
- Complete all courses with a grade of "C" or higher.
- At least 25% of the total credits for the Associate of Science Degree in Paralegal Studies must be earned at Broward College, of which at least 12 credit hours must comprise Broward College legal specialty courses.
- *Internships*

The Paralegal Studies Program offers the possibility of participating in an internship as a Program elective. For specific information, please contact the Program Manager or a Program advisor.

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		PLA1003*	Introduction to Paralegal Studies	3
	Term 2	BUL2241	Business Law I	3
		PLA1104*	Law Library	3
Term 2	Term 3	CGS1060C	Computer and Internet Literacy	3
		PLA1303*	Criminal Litigation	3
	Term 4	GE Course	General Education Mathematics	3
		PLA1435*	Corporations	3
Term 3	Term 5	PLA1201*	Civil Litigation	3
		OST1103C	Basic Keyboarding I	1
		PLA2114*	Legal Writing and Drafting	3
Term 4	Term 6	SPC1608	Introduction to Public Speaking	3
		PLA1841*	Immigration Law	3
	Term 7	Elective**	Elective Course	3
		PLA1610*	Procedures for Real Estate Title Closing	3
Term 5	Term 8	PLA2762C*	Paralegal Office Systems	3
		GE Course	General Education Humanities	3
	Term 9	PLA1600*	Probate Practice	3
		PLA1800*	Domestic Relations	3
Term 6	Term10	PLA2466*	Debtor/Creditor Relations	3
		GE Course	General Education Science	3
		PSY2012 or SYG2000	General Psychology or Principles of Sociology	3
Total Program Credit Hours				***64***

Notes: *These courses have pre-requisites or co-requisites that must be met. **Program elective – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take one of the following approved Paralegal Electives – BUL2242, CJL1062, ECO2013, FIN1100, OST2335, PLA2930, PLA2940 (the program's internship course), QMB1001, SPN1000.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Bachelor of Applied Science in Supervision & Management –T100

Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: Students pursuing a Bachelor's of Science in Supervision & Management may enter the program having completed;

- An **Associate in Arts (AA)** degree or
- An **Associate in Science (AS)** Business Administration degree or
- 60 college level credits

Program Description: The Bachelor of Applied Science Degree in Supervision and Management prepares students to assume managerial roles in the public and private sectors. The program provides knowledge and skills in the areas of management, marketing, finance, operations, and strategy. Visit the program's website for more information.

Students with an Associate of Arts (AA) Degree
Build Your Education

Business Specialist (TC 1) 6288 → *Business Operations (TC 2) 6320* → *Business Management (TC 3) 62671* → ***Business Entrepreneurship (TC4) 6350*** → *Associate of Arts 1010* → *Bachelor of Applied Science T100*

Recommended Course Sequence

Full Time	Part Time	Course ID	Course Description	Credits
Student has completed an Associate of Arts degree				**60**
Term 1	***Term 1***	MAN3240	Organizational Behavior	3
		Specialization	BAS Specialization Course 1	3
		Elective	Approved Business Elective	3
	Term 2	GEB3213	Business Writing	3
		ACG2001 or Elective*	Principles of Accounting or Approved Business Elective	3
Term 2	***Term 3***	BUL3130	Business Law and Ethics	3
		ACG2011 or Elective*	Principles of Accounting II or Approved Business Elective	3
	Term4	Elective*	Approved Business Elective	3
		Specialization	BAS Specialization Course 2	3
		MAN4504	Operations Management	3
Term 3	***Term 5***	FIN3400	Principles of Financial Management	3
		Elective*	Approved Business Elective	3
Term 4	***Term 6***	MAN3310	Human Resource Management	3
		MAR3802	Marketing Management	3
	Term 7	MAN4720	Strategic Management	3
		Elective*	Approved Business Elective	3
Term 5	***Term 8***	Elective*	Approved Business Elective	3
		Specialization	BAS Specialization Course 3	3
	Term 9	MAN4900 or MAN4940	Capstone Management Project or Internship	3
		Elective*	Approved Business Elective	3
Total Credit Hours				***60***

Notes: *Approved business electives include any course (upper or lower division) with prefixes ACG, BUL,CIS, ECO, FIN, FSS, GEB, HFT, MAN, MAR, MKA, MNA, OST, PLA, QMB, REE, RMI, TAX, TRA. **Student must meet with advisor to ensure the correct general education requirements are met as per the student's degree audit. **Students are strongly encouraged to meet with an advisor to create an educational plan.**

BAS Specializations (9 Credits)	
Management GEB4131 Entrepreneurship and Small Business Management MAN3303 Management and Leadership QMB2302C Applied Business Analytics	**Human Resource Management** MAN4330 Compensation and Benefits MAN4320 Training and Development MAN4937 Applied Concepts in Human Resource Management
Marketing and Sales MAR3231 Retail Management MAR3323 Integrated Marketing Communication MAR3524# Applied Marketing Analytics	**Project Management** CIS1513C Project Management ISM3314C Applied Project Management ISM4930C Agile Project Management

Notes:# Requires pre-requisite of CGS1060C.

CHOOSE YOUR COURSES

Bachelor of Applied Science in Supervision & Management –T100

Career Pathway: Business

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: Students pursuing a Bachelor's of Science in Supervision & Management may enter the program having completed;

- An **Associate in Arts (AA)** degree or
- An **Associate in Science (AS)** Business Administration degree or
- 60 college level credits

Program Description: The Bachelor of Applied Science Degree in Supervision and Management prepares students to assume managerial roles in the public and private sectors. The program provides knowledge and skills in the areas of management, marketing, finance, operations, and strategy. Visit the program's website for more information.

Students with an Associate of Science (AS) Degree
Build Your Education

Business Specialist (TC 1) 6288 → *Business Operations (TC 2) 6320* → *Business Management (TC 3) 62671* → ***Business Entrepreneurship (TC4) 6350*** → *Business Administration AS 2119* → *Bachelor of Applied Science T100*

Recommended Course Sequence

Full Time	Part Time	Course ID	Course Description	Credits
Student has completed an Associate of Science degree				**60**
Term 1	***Term 1***	MAN3240	Organizational Behavior	3
		MAC1105 or STA2023	College Level Algebra or Statistics	3
	Term 2	GEB3213	Business Writing	3
		ACG2001 or Elective*	Principles of Accounting or Approved Business Elective	3
Term 2	***Term 3***	BUL3130	Business Law and Ethics	3
		ACG2011 or Elective*	Principles of Accounting II or Approved Business Elective	3
		GE Course**	General Education Science	3
		GE Course**	General Education Science Lab	1
	Term 4	Specialization	BAS Specialization Course 1	3
		MAN4504	Operations Management	3
Term 3	***Term 5***	FIN3400	Principles of Financial Management	3
		GE Course**	General Education Social/Behavioral Science	3
Term 4	***Term 6***	MAN3310	Human Resource Management	3
		MAR3802	Marketing Management	3
	Term 7	MAN4720	Strategic Management	3
		Specialization	BAS Specialization Course 2	3
Term 5	***Term 8***	GE Course**	General Education Humanities	3
		Specialization	BAS Specialization Course 3	3
	Term 9	GE Course**	General Education Wellness	2
		MAN4900 or MAN4940	Capstone Management Project or Internship	3
		ENC1102	Composition II	3
Total Credit Hours				***60***

Notes: *Approved business electives include any course (upper or lower division) with prefixes ACG, BUL,CIS, ECO, FIN, FSS, GEB, HFT, MAN, MAR, MKA, MNA, OST, PLA, QMB, REE, RMI, TAX, TRA. **Student must meet with advisor to ensure the correct general education

requirements are met as per the student's degree audit. Student must complete the foreign language requirement as per the Florida State Statute. **Students are strongly encouraged to meet with an advisor to create an educational plan.**

BAS Specializations (9 Credits)	
Management GEB4131 Entrepreneurship and Small Business Management MAN3303 Management and Leadership QMB2302C Applied Business Analytics	**Human Resource Management** MAN4330 Compensation and Benefits MAN4320 Training and Development MAN4937 Applied Concepts in Human Resource Management
Marketing and Sales MAR3231 Retail Management MAR3323 Integrated Marketing Communication MAR3524 Applied Marketing Analytics	**Project Management** CIS1513C Project Management ISM3314C Applied Project Management ISM4930C Agile Project Management

CHOOSE YOUR COURSES

Associate of Science in Early Childhood Education- 2166

Career Pathway: Education

Location(s): Courses for this program are offered at all BC locations. The core Early Childhood Education courses are only offered at the North Campus and the Judson A. Samuels South Campus. Please consult the course schedule for specific semester locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: Opportunities for a rewarding career in the early childhood field abound for the well-trained professional interested in being a teacher of young children, supervisor of children's programs, or owner of a child care facility. The Associate of Science degree combines classroom and field experiences to give the student the necessary background for success in the job market. Visit the program's website for more information.

Build Your Education

Child Care Center Management (TC 1) 6316 → *Infant/Toddler Specialization (TC 2) 6317* → *Preschool Specialization (TC 3) 6318* → *Child Development (TC4) 6319* → *Early Child Education AS 2166* → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3	TC4
Term 1	Term 1	ENC1101	Composition I	3				
		MGF1106 or MAC1105	Foundations of Mathematical Reasoning or College Algebra	3				
	Term 2	EEC1603	Child Guidance	3	X		X	X
		EEC1200	Early Childhood Education	3	X	X		X
Term 2	Term 3	CGS1060C	Computer and Internet Literacy	3				
		ENC2210 or ENC1101	Technical Report Writing or English Composition II	3				
	Term 4	PSY2012	General Psychology	3				X
		CHD1331	Creativity for Young Children	3				X
Term 3	Term 5	CHD1320	Curriculum Planning for Early Childhood	3	X	X	X	X
		CHD1334	Children's Literature Language Arts	3				X
Term 4	Term 6	CHD1338	Math and Science for the Young Child	3				X
		HLP1081	Total Wellness	2				
		CHD1940	Practicum I: Observation and Evaluation	3				X
	Term 7	EDF1005*	Introduction to the Teaching Profession	3				
		DEP2002	Child Psychology	3		X	X	X
Term 5	Term 8	HUM1020	Foundations of the Humanities	3				
		CHD2800	Admin and Management in Early Childhood Education	3	TC1	TC2	TC3	X
	Term 9	CHD2441	Practicum II	3				X
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3				TC4
Term 6	Term 10	Elective	Elective Course***	3				
		BSC1005	Biological Principles	3				
		BSC1005L	Biological Lab	1				
Total Program Credit Hours				**63**	**12**	**12**	**12**	**36**

Notes: *Recommended elective. ** Student may take MAT1033, STA1001, Humanities, or Social Behavioral Science class.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Educator Preparation Institute
Program Code F100

Program Description: The Educator Preparation Institute (EPI) is a state-approved alternative teacher certification program. The EPI program is designed for individuals who hold a bachelor's degree in any field other than education. The program prepares students to enter the classroom. The program does not cover any one specific subject area. It is the responsibility of the student to take and pass their specific subject area exam in order to be eligible to teach that subject. More information regarding the required Florida Teacher Certification Examinations (FTCE) can be found at the Florida Department of Education (FTCE) website. Students are required to obtain an office Statement of Eligibility (SOE) from the Florida Department of Education. The SOE will list what the individual student needs to do in order to obtain both the temporary certificate (three year non-renewable) and the professional certificate (five year renewable). If deemed not-eligible, the individual can choose to either take the applicable subject area exam (SAE) OR complete additional coursework in that subject. If the individual takes and passes the SAE, the SOE will automatically be updated to "eligible" status and a new SOE will be issued. Students can obtain the SOE online at the Florida Department of Education's website. All students must maintain a valid and current Statement of Eligibility in order to complete the EPI program.

Career Pathway: Education

Program Entrance Requirements: Minimum of a Bachelor's degree in a field other than Education

Additional Program Information: The EPI requires students to complete two field experiences in a K12 setting. The field experiences include a minimum of 30 required hours.

Contact information: Program contact information can be found at http://www.broward.edu/academics/programs/tep/Pages/tepepi.aspx

Location(s): Courses are only offered online. Please consult the course schedule for specific semester locations.

Related Programs at Broward College: N/A

Required Courses

EPI0001	Classroom Management	3
EPI0002	Instructional Strategies	3
EPI0003	Technology	3
EPI0004	The Teaching and Learning Process	3
EPI0010	Foundations of Research-Based Practices in Reading	3
EPI0020	The Teaching Profession	2
EPI0940	Field Experience	1
EPI0030	Diversity	2
EPI0945	Field Experience	1
Total Program Credit Hours		**21**

Note:
Students are strongly encouraged to meet with an advisor to create an educational plan.

Bachelor of Science Education Degree Program
Exceptional Student Education Program – Program Code S100

Career Pathway: Education

Location(s): Courses for this program are offered at all BC locations. Please consult the course schedule for specific semester locations.

Program Entrance Requirements: Admission to Broward College does not constitute admission to the Teacher Education Program (TEP); a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program.

Requirements for admission to the Teacher Education Program include the following:

- Submission of a supplemental application.
    - Applications for the TEP will be accepted in the fall and winter. The supplemental application and application deadlines are posted online at www.broward.edu/education.
- Completion of an Associate in Arts degree from a regionally-accredited institution or at least 60 semester credit hours of post-secondary education from a regionally- accredited college or university with 36 credit hours of general education course work.
- A cumulative grade point average of 2.5 on a 4.0 scale for the general education component of undergraduate studies.
- A passing score on any one of the four (English, Essay, Mathematics, Reading) subtests of the General Knowledge Exam.
    - Students admitted to the program will be required to take and pass the remaining three sections of the General Knowledge Exam by the completion of their 15th credit.
    - To register for the General Knowledge Exam visit: www.fl.nesinc.com.
- Applicants must be in good academic standing at the last institution they attended.
- Broward College must have on file an official, complete transcript from each postsecondary institution attended, cumulatively indicating completion of 60 or more transferable credits by the applicant's entry term. Prior Broward College students do not need to submit Broward College transcripts, only transcripts from any other institutions attended.
- Completion of all general education requirements and lower division state mandated common prerequisites, including the following three common education prerequisites, in which students must have earned a grade of "C" or better:
    - EDF 1005 Introduction to the Teaching Profession
    - EDF2085 Introduction to Diversity and Exceptionalities for Educators (or equivalent EDG2701)
    - EME2040 Introduction to Educational Technology
- Submission of a letter of recommendation from one person who knows the applicant personally, educationally, and/or professionally.

Approval from the Teacher Education Program Admission Committee.

Program Description: The Bachelor of Science in Education for Exceptional Student Education is designed to qualify its graduates to teach ESE placements in grades K-12. Admission to Broward College does not constitute admission to the Teacher Education Program; a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. In addition to the required coursework, students must pass the Florida Teacher Certification Exams.

The Bachelor of Science in Education uses a 2+2 model requiring the completion of an Associate of Arts Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university for entry into the program; these must include 36 hours of General Education Core Requirements.

Visit the program's website for more information.

Build Your Education

Associate in Arts 1010 or 60 Credits Hours → Exceptional Student Education Program B.S.

B.S. ED EXCEPTIONAL STUDENT EDUCATION COMPONENTS	
LOWER DIVISION COURSEWORK in semester credit hours	**60**
Associate Degree Program of Study Program Electives (to include EDF1005, EDF2085, EME2040)	**24**
General Education Core Requirements Credits: Communication (9), Math (6) Humanities (6) Social Behavioral Science (6) Science (6) Science Lab (1), Wellness (2)	**36**
Foreign Language Requirement: Students are required to have two-years of sequential foreign language studies from high school or eight semester credit hours from college prior to graduation of Bachelor of Science degree.	
UPPER DIVISION COURSEWORK in semester credit hours	**60**
TOTAL	**120**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	EDF3280	Instructional Strategies	3
		EEX3011	Introduction to ESE	3
	Term 2	RED3342	Foundations of Reading *	3
		TSL3080	ESOL Issues & Strategies I *	3
		EDP4004	Educational Psychology	3
Term 2	Term 3	RED4519	Literacy Assessment and Differentiated Instruction in Reading Education	3
		EDG4410	Classroom Management	3
		EEX3601	Positive Behavioral Support	3
	Term 4	MAE4310	Methods of Teaching Math in Elementary Schools	3
		EDF4430	Educational Tests and Measurements	3
Term 3	Term 5	EEX4486	Differentiated Instruction for Students with	3
		EEX3280	Transition Planning	3
	Term 6	EEX4293	Assessment and Instructional Strategies in ESE	3
Term 4		EEX4472	Instructional Practices for Students with Moderate/Severe Disabilities	3
	Term 7	TSL4081	ESOL Issues & Strategies II **	3
		RED4844	Reading Practicum ***	3
		EEX4843	Methods of Teaching Exceptional Learners Practicum **	3
Term 5	Term 8	EEX 4945	Student Teaching Internship in ESE completion of all program requirements	9
Total Program Credit Hours				60

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Bachelor of Science Education Degree Program
Middle Grades General Science – Program Code S200

Career Pathway: Education
Location(s): Courses for this program are offered at all BC locations. Please consult the course schedule for specific semester locations.
Program Entrance Requirements: Admission to Broward College does not constitute admission to the Teacher Education Program (TEP); a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program.
Requirements for admission to the Teacher Education Program include the following:

- Submission of a supplemental application.
    - Applications for the TEP will be accepted in the fall and winter. The supplemental application and application deadlines are posted online at www.broward.edu/education.
- Completion of an Associate in Arts degree from a regionally-accredited institution or at least 60 semester credit hours of post-secondary education from a regionally- accredited college or university with 36 credit hours of general education course work.
- A cumulative grade point average of 2.5 on a 4.0 scale for the general education component of undergraduate studies.
- A passing score on any one of the four (English, Essay, Mathematics, Reading) subtests of the General Knowledge Exam.
    - Students admitted to the program will be required to take and pass the remaining three sections of the General Knowledge Exam by the completion of their 15th credit.
    - To register for the General Knowledge Exam visit: www.fl.nesinc.com.
- Applicants must be in good academic standing at the last institution they attended.
- Broward College must have on file an official, complete transcript from each postsecondary institution attended, cumulatively indicating completion of 60 or more transferable credits by the applicant's entry term. Prior Broward College students do not need to submit Broward College transcripts, only transcripts from any other institutions attended.
- Completion of all general education requirements and lower division state mandated common prerequisites, including the following three common education prerequisites, in which students must have earned a grade of "C" or better:
    - EDF 1005 Introduction to the Teaching Profession
    - EDF2085 Introduction to Diversity and Exceptionalities for Educators (or equivalent EDG2701)
    - EME2040 Introduction to Educational Technology
- Submission of a letter of recommendation from one person who knows the applicant personally, educationally, and/or professionally.

Approval from the Teacher Education Program Admission Committee.
Program Description: The Bachelor of Science in Education for Middle Grades Science Education is designed to qualify its graduates to teach general science in grades 5-9. Admission to Broward College does not constitute admission to the Teacher Education Program; a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. In addition to the required coursework, students must pass the Florida Teacher Certification Exams.

The Bachelor of Science in Education uses a 2+2 model requiring the completion of an Associate of Arts Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university for entry into the program; these must include 36 hours of General Education Core Requirements. (See below). Visit the program's website for more information or call 954-201-2500.

Build Your Education

Associate in Arts 1010 or 60 Credits Hours → Middle Grades General Science Education Program B.S.

B.S. ED MIDDLE GRADES SCIENCE EDUCATION COMPONENTS	
LOWER DIVISION COURSEWORK in semester credit hours	**60**
Associate Degree Program of Study Program Electives (to include EDF1005, EDF2085, EME2040)	24
General Education Core Requirements Credits: Communication (9), Math (6) Humanities (6) Social Behavioral Science (6) Science (6) Science Lab (1), Wellness (2)	36
Required Content Courses: Students in the Middle Grades Science Program must include the following science courses within their lower division educational plan: OCE 1001, CHM 1045, BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, GLY 1010, and GLY 1010L.	
Foreign Language Requirement: Students are required to have two-years of sequential foreign language studies from high school or eight semester credit hours from college prior to graduation of Bachelor of Science degree.	
UPPER DIVISION COURSEWORK in semester credit hours	**60**
TOTAL	**120**

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	EDF3280	Instructional Strategies	3
		EEX3011	Introduction to ESE	3
	Term 2	ESC4074	Weather and Climate	3
		TSL3080	ESOL Issues & Strategies I *	3
		RED3342	Foundations of Reading *	3
Term 2	Term 3	PCB4043	Ecology	3
		AST1003	Astronomy	3
		EDG4410	Classroom Management	3
	Term 4	SCE3320	Integrative Teaching Methods in Middle Grades Science	3
		EME3410	Enhancing Mathematics and Science Education with Technology Applications	3
Term 3	Term 5	PHY1001	Applied Physics	3
		PHY1001L	Applied Physics Lab	1
	Term 6	EDP4004	Educational Psychology	3
Term 4		EDF4430	Educational Tests and Measurements	3
	Term 7	SCE3420	Methods of Teaching Physical Science in the Middle School	4
		SCE3941	Science Practicum **	4
Term 5	Term 8	SCE4943	Student Teaching in Science Completion of all program requirements	12
Total Program Credit Hours				60

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Bachelor of Science Education Degree Program
Secondary Biology – Program Code S300

Career Pathway: Education

Location(s): Courses for this program are offered at all BC locations. Please consult the course schedule for specific semester locations.

Program Entrance Requirements: Admission to Broward College does not constitute admission to the Teacher Education Program (TEP); a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. Requirements for admission to the Teacher Education Program include the following:

- Submission of a supplemental application.
    - Applications for the TEP will be accepted in the fall and winter. The supplemental application and application deadlines are posted online at www.broward.edu/education.
- Completion of an Associate in Arts degree from a regionally-accredited institution or at least 60 semester credit hours of post-secondary education from a regionally- accredited college or university with 36 credit hours of general education course work.
- A cumulative grade point average of 2.5 on a 4.0 scale for the general education component of undergraduate studies.
- A passing score on any one of the four (English, Essay, Mathematics, Reading) subtests of the General Knowledge Exam.
    - Students admitted to the program will be required to take and pass the remaining three sections of the General Knowledge Exam by the completion of their 15th credit.
    - To register for the General Knowledge Exam visit: www.fl.nesinc.com.
- Applicants must be in good academic standing at the last institution they attended.
- Broward College must have on file an official, complete transcript from each postsecondary institution attended, cumulatively indicating completion of 60 or more transferable credits by the applicant's entry term. Prior Broward College students do not need to submit Broward College transcripts, only transcripts from any other institutions attended.
- Completion of all general education requirements and lower division state mandated common prerequisites, including the following three common education prerequisites, in which students must have earned a grade of "C" or better:
    - EDF 1005 Introduction to the Teaching Profession
    - EDF2085 Introduction to Diversity and Exceptionalities for Educators (or equivalent EDG2701)
    - EME2040 Introduction to Educational Technology
- Submission of a letter of recommendation from one person who knows the applicant personally, educationally, and/or professionally.

Approval from the Teacher Education Program Admission Committee.

Program Description

The Bachelor of Science in Education for Secondary Biology Education is designed to qualify its graduates to teach biology in grades 6-12. Admission to Broward College does not constitute admission to the Teacher Education programs; a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. In addition to the required coursework, students must pass the Florida Teacher Certification Exams.

The Bachelor of Science in Education uses a 2+2 model requiring the completion of an Associate of Arts Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university for entry into the program; these must include 36 hours of General Education Core Requirements. Visit the program's website for more information or call 954-201-2500.

Build Your Education

Associate in Arts 1010 or 60 Credits Hours → Middle Grades General Science Education Program B.S.

B.S. ED SECONDARY BIOLOGY EDUCATION COMPONENTS	
LOWER DIVISION COURSEWORK in semester credit hours	**60**
Associate Degree Program of Study Program Electives (to include EDF1005, EDF2085, EME2040)	24
General Education Core Requirements Credits: Communication (9), Math (6) Humanities (6) Social Behavioral Science (6) Biological Science (3) Physical Science (3) Lab (1), Wellness (2).	36
Computer Competency Requirement: Students are required to have passed the Computer Competency exam or completed CGS1060c or equivalent course.	
Note: Students in the Secondary Biology Program must include the following science courses within their lower division educational plan: CHM 1045, CHM 1045L, CHM 1046, CHM 1046L, BSC 2010, BSC 2010L, BSC 2011, and BSC 2011L.	
Foreign Language Requirement: Students are required to have 2-years of sequential foreign language studies from high school or 8 semester credit hours from college prior to graduation of Bachelor of Science degree.	
UPPER DIVISION COURSEWORK in semester credit hours	**61**
TOTAL	**121**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	EDF3280	Instructional Strategies	3
		EEX3011	Introduction to ESE	3
	Term 2	RED3342	Foundations of Reading *	3
		TSL3080	ESOL Issues & Strategies I *	3
		PCB3063	Genetics	3
Term 2	Term 3	CHM3203	Organic & Bio-Chemistry	3
		CHM3203L	Organic & Bio-Chemistry Lab	1
		PCB4043	Ecology	3
	Term 4	SCE4330	Methods and Strategies of Teaching Biological Science	3
		EDF4430	Educational Tests and Measurements	3
Term 3	Term 5	ZOO4713	Comparative Vertebrate Morphology & Physiology	3
		ZOO4713L	Comparative Vertebrate Morphology & Physiology Lab	1
		EDP4004	Educational Psychology	3
Term 4	Term 6	EME3410	Enhancing Mathematics and Science Education with Technology Applications	3
		EDG4410	Classroom Management	3
	Term 7	MCB3020	General Microbiology	3
		MCB3020L	General Microbiology Lab	1
		SCE3941	Science Practicum	4
Term 5	Term 8	SCE4945	Student Teaching in Science Completion of all program requirements	12
Total Program Credit Hours				61

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Bachelor of Science Education Degree Program
Middle Grades Mathematics – Program Code S400

Career Pathway: Education
Location(s): Courses for this program are offered at all BC locations. Please consult the course schedule for specific semester locations.
Program Entrance Requirements: Admission to Broward College does not constitute admission to the Teacher Education Program (TEP); a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. Requirements for admission to the Teacher Education Program include the following:

- Submission of a supplemental application.
    - Applications for the TEP will be accepted in the fall and winter. The supplemental application and application deadlines are posted online at www.broward.edu/education.
- Completion of an Associate in Arts degree from a regionally-accredited institution or at least 60 semester credit hours of post-secondary education from a regionally- accredited college or university with 36 credit hours of general education course work.
- A cumulative grade point average of 2.5 on a 4.0 scale for the general education component of undergraduate studies.
- A passing score on any one of the four (English, Essay, Mathematics, Reading) subtests of the General Knowledge Exam.
    - Students admitted to the program will be required to take and pass the remaining three sections of the General Knowledge Exam by the completion of their 15th credit.
    - To register for the General Knowledge Exam visit: www.fl.nesinc.com.
- Applicants must be in good academic standing at the last institution they attended.
- Broward College must have on file an official, complete transcript from each postsecondary institution attended, cumulatively indicating completion of 60 or more transferable credits by the applicant's entry term. Prior Broward College students do not need to submit Broward College transcripts, only transcripts from any other institutions attended.
- Completion of all general education requirements and lower division state mandated common prerequisites, including the following three common education prerequisites, in which students must have earned a grade of "C" or better:
    - EDF 1005 Introduction to the Teaching Profession
    - EDF2085 Introduction to Diversity and Exceptionalities for Educators (or equivalent EDG2701)
    - EME2040 Introduction to Educational Technology
- Submission of a letter of recommendation from one person who knows the applicant personally, educationally, and/or professionally.

Approval from the Teacher Education Program Admission Committee.
Program Description: The Bachelor of Science in Education for Middle Grades Mathematics Education is designed to qualify its graduates to teach math in grades 5-9. Admission to Broward College does not constitute admission to the Teacher Education Program; a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. In addition to the required coursework, students must pass the Florida Teacher Certification Exams.
The Bachelor of Science in Education uses a 2+2 model requiring the completion of an Associate of Arts Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university for entry into the program; these must include 36 hours of General Education Core Requirements. Visit the program's website for more information or call 954-201-2500.

Build Your Education

Associate in Arts 1010 or 60 Credits Hours → Middle Grades Mathematics Education Program B.S.

B.S. ED SECONDARY MATHEMATICS EDUCATION COMPONENTS	
LOWER DIVISION COURSEWORK in semester credit hours	60
Associate Degree Program of Study Program Electives (to include EDF1005, EDF2085, EME2040)	24
General Education Core Requirements Credits: Communication (9), Math (6) Humanities (6) Social Behavioral Science (6) Science (6) Science Lab (1), Wellness (2).	36
Note: Students in the Middle Grades Math Program must include the following math courses within their lower division educational plan: MAC1105, MAC1140*, MAC1114*, STA2023, and MAC2311. *MAC1147 is equivalent to MAC1140 and MAC1114 combined and will be accepted in its place.	
Foreign Language Requirement: Students are required to have two-years of sequential foreign language studies from high school or eight semester credit hours from college prior to graduation of Bachelor of Science degree.	
UPPER DIVISION COURSEWORK in semester credit hours	60
TOTAL	120

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	EDF3280	Instructional Strategies	3
		EEX3011	Introduction to ESE	3
		MAD2104	Discrete Mathematics	3
	Term 2	RED3342	Foundations of Reading *	3
		TSL3080	ESOL Issues & Strategies I *	3
Term 2	Term 3	EDP4004	Educational Psychology	3
		MAS2103	Linear Algebra	3
		MAE4320	Methods of Teaching Math in the Middle School	3
	Term 4	EDG4410	Classroom Management	3
		EME3410	Enhancing Mathematics and Science Education with Technology Applications	3
Term 3	Term 5	MHF4404	History of Mathematics	3
		MTG3212	Geometry	3
Term 4	Term 6	EDF4430	Educational Tests and Measurements	3
		MAS4300	Abstract Algebra with Introductory Number Theory	3
	Term 7	MAE3143	Interactive Middle School and Secondary School Projects **	3
		MAE3941	Teaching Middle School and Secondary School Practicum **	3
Term 5	Term 8	MAE4945	Student Teaching Completion of all program requirements	12
Total Program Credit Hours				60

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Bachelor of Science Education Degree Program
Secondary Mathematics – Program Code S500

Career Pathway: Education
Location(s): Courses for this program are offered at all BC locations. Please consult the course schedule for specific semester locations.
Program Entrance Requirements: Admission to Broward College does not constitute admission to the Teacher Education Program (TEP); a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. Requirements for admission to the Teacher Education Program include the following:

- Submission of a supplemental application.
    - Applications for the TEP will be accepted in the fall and winter. The supplemental application and application deadlines are posted online at www.broward.edu/education.
- Completion of an Associate in Arts degree from a regionally-accredited institution or at least 60 semester credit hours of post-secondary education from a regionally- accredited college or university with 36 credit hours of general education course work.
- A cumulative grade point average of 2.5 on a 4.0 scale for the general education component of undergraduate studies.
- A passing score on any one of the four (English, Essay, Mathematics, Reading) subtests of the General Knowledge Exam.
    - Students admitted to the program will be required to take and pass the remaining three sections of the General Knowledge Exam by the completion of their 15th credit.
    - To register for the General Knowledge Exam visit: www.fl.nesinc.com.
- Applicants must be in good academic standing at the last institution they attended.
- Broward College must have on file an official, complete transcript from each postsecondary institution attended, cumulatively indicating completion of 60 or more transferable credits by the applicant's entry term. Prior Broward College students do not need to submit Broward College transcripts, only transcripts from any other institutions attended.
- Completion of all general education requirements and lower division state mandated common prerequisites, including the following three common education prerequisites, in which students must have earned a grade of "C" or better:
    - EDF 1005 Introduction to the Teaching Profession
    - EDF2085 Introduction to Diversity and Exceptionalities for Educators (or equivalent EDG2701)
    - EME2040 Introduction to Educational Technology
- Submission of a letter of recommendation from one person who knows the applicant personally, educationally, and/or professionally.
- Approval from the Teacher Education Program Admission Committee.

Program Description
The Bachelor of Science in Education for Secondary Mathematics Education is designed to qualify its graduates to teach math in grades 6-12. Admission to Broward College does not constitute admission to the Teacher Education programs; a supplemental application is also required. Students must meet all Teacher Education Program admission requirements before acceptance into the program. In addition to the required coursework, students must pass the Florida Teacher Certification Exams.
The Bachelor of Science in Education uses a 2+2 model requiring the completion of an Associate of Arts Degree, or at least 60 semester credit hours of postsecondary education from a regionally accredited college or university for entry into the program; these must include 36 hours of General Education Core Requirements. Visit the program's website for more information or call 954-201-2500.

Build Your Education

Associate in Arts 1010 or 60 Credits Hours → Secondary Mathematics Education Program B.S.

B.S. ED SECONDARY MATHEMATICS EDUCATION COMPONENTS	
LOWER DIVISION COURSEWORK in semester credit hours	**60**
Associate Degree Program of Study Program Electives (to include EDF1005, EDF2085, EME2040)	24
General Education Core Requirements Credits: Communication (9), Math (6) Humanities (6) Social Behavioral Science (6) Science (6) Science Lab (1), Wellness (2).	36
Note: Students in the Middle Grades Math Program must include the following math courses within their lower division educational plan: MAC1105, MAC1140*****, MAC1114*****, STA2023, MAC2311, and MAC2312. ***MAC1147 is equivalent to MAC1140 and MAC1114 combined and will be accepted in its place.**	
Foreign Language Requirement: Students are required to have two-years of sequential foreign language studies from high school or eight semester credit hours from college prior to graduation of Bachelor of Science degree.	
UPPER DIVISION COURSEWORK in semester credit hours	**60**
TOTAL	**120**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	EDF3280	Instructional Strategies*	3
		EEX3011	Introduction to ESE*	3
		MAD2104	Discrete Mathematics**	3
	Term 2	RED3342	Foundations of Reading *	3
		TSL3080	ESOL Issues & Strategies I *	3
Term 2	Term 3	EDP4004	Educational Psychology	3
		MAS2103	Linear Algebra**	3
		MAE4330	Methods of Teaching Math in the Secondary School***	3
	Term 4	EDG4410	Classroom Management***	3
		EME3410	Enhancing Mathematics and Science Education with Technology Applications**	3
Term 3	Term 5	MHF4404	History of Mathematics**	3
		MTG3212	Geometry**	3
Term 4	Term 6	EDF4430	Educational Tests and Measurements	3
		MAS4300	Abstract Algebra with Introductory Number Theory **	3
	Term 7	MAE3143	Interactive Middle School and Secondary School Projects ***	3
		MAE3941	Teaching Middle School and	3
Term 5	Term 8	MAE4945	Student Teaching Completion of all program requirements*	12
Total Program Credit Hours				**60**

***Course requires field experience hours. Student much check the catalog for the specific number of hours required per course. ** Prerequisite or Co-requisite is required for this course. *** Course has both prerequisites or co-requisites and field experience required.**

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Dental Assisting – 2215

Career Pathway: Health Sciences
Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus
Program Entrance Requirements: Students must have graduated from the Dental Assisting Applied Technology Diploma (ATD).
Program Description: The Dental Assisting program is a degree completion option for students who have completed the Dental Assisting Applied Technical Diploma (ATD). Visit program's website for additional information.
Additional Program Information: Students must complete all required coursework with a grade of "C" or higher and earn a minimum degree grade point average of 2.0. The transfer of 44 dental assisting ATD credits is guaranteed for 3 years following the ATD award date, and there is no expiration for the 6 credits of general education coursework.

Build Your Education

Dental Assisting ATD B007 → Dental Assisting AS 2215 → Bachelors of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	ATD
Pre-admission coursework		ENC1101	Composition I	3	x
		SPC1024 or	Introduction to Speech Communications or		
		SPC1608	Introduction to Public Speaking	3	x
Term 1		DEA1000	Introduction to Dentistry	3	x
		DES1020	Dental Anatomy and Physiology	3	x
Term 2		DEA1030	Preclinical	4	x
		DEA1030L	Preclinical Laboratory	2	x
		DES1100	Dental Materials	2	x
		DES1100L	Dental Materials Laboratory	1	x
		DES1840	Preventive Dentistry	2	x
		DES1840L	Preventive Dentistry Lab	1	x
		DES1200	Dental Radiography	3	x
		DES1200L	Dental Radiography Laboratory	1	x
		DES1832	Expanded Functions I	1	x
		DES1832L	Expanded Function I Laboratory	1	x
Term 3		DES1833	Expanded Functions II	2	x
		DES1833L	Expanded Functions II Lab	1	x
		DES1805	Clinical Procedures I	2	x
		DES1805L	Clinical Procedures I Lab	1	x
		DEA1940L	Clinical Practice I	2	x
		DEA1131	Allied Dental Theory	2	x
		DES1502	Dental Office Management	2	x
		DES1404	Basic Anatomy and Physiology	2	x
		DEA1155	Dental Psychology	2	x
Term 4		DEA1936	Dental Seminar	1	x
		DEA1941L	Clinical Practice II	3	x
Term 5	Term 5	MGF1106	Foundations of Mathematical Reasoning	3	
		PSY2012	General Psychology	3	
		CHM1032	Chemistry for Health Sciences	3	
	Term 6	CGS1060C	Computer & Internet Literacy	3	
Term 6		HLP1081	Total Wellness	2	
	Term 7	SYG2000	Principles of Sociology	3	
		PHI2010* or	Philosophy or		
		REL2000* or	Introduction to Religion or		

		ARH2000 or MUL2010	**Art Appreciation or Music Appreciation**	**3**	
Total Credit Hours				***70***	50

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Applied Technology Diploma in Dental Assisting – B007

Career Pathway: Health Sciences
Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus
Program Entrance Requirements: Visit program's website for additional information.
Program Description: Visit program's website for additional information.

Additional Program Information: Students must complete all required coursework with a grade of "C" or higher and earn a minimum degree grade point average of 2.0. The transfer of 44 dental assisting ATD credits is guaranteed for 3 years following the ATD award date, and there is no expiration for the 6 credits of general education coursework.

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Pre-admission coursework		ENC1101	Composition I	3
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3
Term 1		DEA1000	Introduction to Dentistry	3
		DES1020	Dental Anatomy and Physiology	3
Term 2		DEA1030	Preclinical	4
		DEA1030L	Preclinical Laboratory	2
		DES1100	Dental Materials	2
		DES1100L	Dental Materials Laboratory	1
		DES1840	Preventive Dentistry	2
		DES1840L	Preventive Dentistry Lab	1
		DES1200	Dental Radiography	3
		DES1200L	Dental Radiography Laboratory	1
		DES1832	Expanded Functions I	1
		DES1832L	Expanded Function I Laboratory	1
Term 3		DES1833	Expanded Functions II	2
		DES1833L	Expanded Functions II Lab	1
		DES1805	Clinical Procedures I	2
		DES1805L	Clinical Procedures I Lab	1
		DEA1940L	Clinical Practice I	2
		DEA1131	Allied Dental Theory	2
		DES1502	Dental Office Management	2
		DES1404	Basic Anatomy and Physiology	2
		DEA1155	Dental Psychology	2
Term 4		DEA1936	Dental Seminar	1
		DEA1941L	Clinical Practice II	3
Total Credit Hours				***50***

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Dental Assisting – 2145

Career Pathway: Health Sciences

Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.

Program Description: The Associate in Science Degree Dental Hygiene Program is designed to prepare the student for a career as a Registered Dental Hygienist. The Dental Hygiene program is a unique 1 + 1 program format and is designed to offer students employable skills as both a Certified Dental Assistant and a Registered Dental Hygienist. Students must first complete the 12-month American Dental Association (ADA) accredited Dental Assisting Program. The Dental Assisting program must be listed in the Florida Department of Education database of post-secondary courses at public vocational-technical centers, community colleges, colleges, universities and participating non-public institutions. Graduates from the Dental Assisting Program are qualified to take the Dental Assisting National Board (DANB) Examination. Upon successful completion of this examination, the graduate becomes a Certified Dental Assistant (CDA).

With the completion of the Dental Assisting ATD Program and the appropriate course pre-requisites, the CDA student may apply to the 12-month Dental Hygiene Program. The student has up to three years from the date of Dental Assisting graduation to be admitted to the Dental Hygiene program. Students in the Dental Hygiene Program will be qualified to take the Dental Hygiene National Board and upon graduation the Commission on Dental Competency Assessments (CDCA) state practical licensing examination. Upon passing both examinations, the graduate is licensed as a Registered Dental Hygienist (RDH) in the State of Florida. Broward College awards an Associate in Science Degree in Dental Hygiene to each student who satisfactorily completes the required 12-month dental hygiene course of study.

The Dental Hygiene Program is accredited by the Commission on Dental Accreditation of the American Dental Association (CODA), a specialized accrediting body recognized by the Council on Postsecondary Accreditation and by the United States Department of Education. Upon successful completion of the National Board Dental Hygiene and state licensure exam, the graduate will be awarded the Registered Dental Hygienist (R.D.H.) credential. Visit the program's website for additional information.

Additional Program Information: One cohort of 16 students is admitted each August. A final grade of "C" or higher must be achieved in each Dental Hygiene course for continuance in the Program. A student who withdraws or is withdrawn from a Dental course shall refer to College Policy 6Hx2-5.33 and Procedure A6Hx2-5.33 on Re-entry into a Health Sciences Program and/or program guidelines. Reentry to a Program will be based upon space availability. Only one reentry will be allowed. The student who reenters must maintain a "C" or higher in each Dental Hygiene course to continue in a Program. The student receiving a grade of D OR F in any course after reentry will result in permanent dismissal from the BC Dental Programs. After admission, students are required to complete the Basic Life Support (CAE0062) course. The due date for the course is given in the mandatory, general orientation meeting prior to the beginning of the program.

Build Your Education

Dental Assisting ATD B007 → **Dental Hygiene AS 2215** → **Bachelors of Applied Science**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		MGF1106	Fundamentals of Mathematical Reasoning	3
	Term 2	BSC2085	Anatomy & Physiology I	3
		BSC2085L	Anatomy & Physiology Lab I	1
		PHI2010** or	Philosophy or	
		REL2000** or	Introduction to Religion or	
		ARH2000 or	Art Appreciation or	
		MUL2010	Music Appreciation	3
Term 2	Term 3	PSY2012	General Psychology	3
		BSC2086	Anatomy & Physiology II	3
		BSC2086L	Anatomy & Physiology Lab II	1
	Term 4	SPC1024 or	Introduction to Speech Communications or	
		SPC1608	Introduction to Public Speaking	3
		CHM1032	Chemistry for Health Sciences	3
Term 3	Term 5	SYG2000	Principles of Sociology	3
		HUN1201	Human Nutrition	3
Term 4	Term 6	MCB2010	Microbiology	3
		MCB2010L	Microbiology Lab	1
Apply to the Program (By June 30th)		Student must have completed an ADA CODA accredited Florida Dental Assisting program, and earned the CDA certificate before submitting the application		
Term 4	Term 7	DEH2840L	Advanced Dental Technology Lab	1
		DEH1002	Clinical Dental Hygiene Procedures	2
		DEH1002L	Clinical Dental Hygiene Procedures Lab	2
		DEH2400	General and Oral Pathology	2
		DEH1800	Dental Hygiene I	2
		DEH1800L	Dental Hygiene I Clinic	2
		DEH2300	Dental Pharmacology	2
Term 5	Term 8	DEH1802	Dental Hygiene II	3
		DEH1802L	Dental Hygiene II Clinic	4
		DES1054	Pain Control and Dental Anesthesia	2
		DEH1130	Oral Histology and Embryology	2
		DEH1602	Periodontology	3
		DEH1602L	Periodontology Laboratory	1
		DEH2701C	Community Dental Health	2
Term 6	Term 9	DEH1934	Dental Hygiene Review Seminar	1
		DEH2804L	Dental Hygiene III Clinic	4
		DEH 2806	Dental Hygiene IV	2
		DEH2806L	Dental Hygiene IV Clinic	4
		DES	Electives*	11
Total Program Credit Hours				88

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. *Students must complete 11 credits of any combination of DES courses. Completion of an ADA accredited Dental Assistant Program that is listed in the database of the Florida Department of Education will provide the 11 credits necessary to satisfy this area (an experiential learning fee may be charged).This program has mandatory course sequencing. **Meets required writing credits.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Diagnostic Medical Sonography – 2176

Career Pathway: Health Sciences
Location(s): Program specific courses are at North Campus
Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.
Program Description: The Diagnostic Medical Sonography program prepares individuals meeting certain qualifications to work with medical practitioners in the management, control and care of patients referred for ultrasound studies. Visit the program's website for additional information.
Additional Program Information: The Diagnostic Medical Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763, Phone (727) 210-2350, upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography.

Build Your Education

AS, AA, BA or BS Degree → **Associate of Science in Diagnostic Medical Sonography - 2176**

Recommended Course Sequence

Full Time	Course ID	Description	Credits
Term 1	ENC1101	Composition I	3
	MAC 1105	College Algebra	3
	BSC2085	Anatomy & Physiology I	3
	BSC2085L	Anatomy & Physiology Lab I	1
	PHY1001	Applied Physics or Radiographic Physics	3
	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3
Term 2	SON1170	Sonography of the Circulatory System	2
	SON1100L	Principles and Protocols of Sonographic Imaging	2
	BSC2086	Anatomy & Physiology II	3
	BSC2086L	Anatomy & Physiology Lab II	1
Term 3	SON1211	Medical Sonographic Physics I	3
	SON1111	Abdominal Sonography I	2
	SON1121	OBGYN Sonography I	2
	SON1003L	Fundamentals of Sonography Lab	1
	SON1804	Clinical Education	3
Term 4	SON1212	Medical Sonographic Physics II	3
	SON1122	OB/GYN Sonography II	3
	SON1112	Abdomen Sonography II	2
	SON1214	Practical Aspects of Sonography I	2
	SON2013L	Fundamentals of Sonography Lab II	1
	SON1814	Clinical Education	3
Term 5	SON1141	Small Parts Sonography	2
	SON1824	Clinical Education	3
Term 6	SON2400	Introduction to Echocardiography	3
	SON2400L	Intro to Echocardiography Lab	1
	SON1215	Practical Aspects of Sonography II	2
	PHI2010* or REL2000* or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
	SON2834	Clinical Education	3
Term 7	SON2401	Echocardiography II	3
	SON2401L	Echocardiography II Lab	1
	SON2061	Seminar in Sonography	1
	PSY2012	General Psychology	3
	SON2844	Clinical Education	3
Total Credit Hours			77

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. This program has mandatory course sequencing. **Students are strongly encouraged to meet with an advisor to create an educational plan.**

CHOOSE YOUR COURSES

Associate of Science in Emergency Medical Services- 2160

Career Pathway: Health Sciences

Location(s): General Education Courses are offered at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus and North Campus.

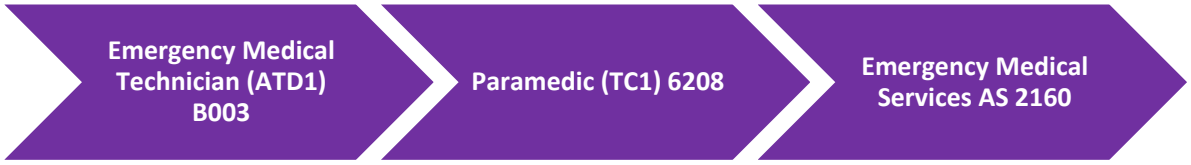
Program Entrance Requirements: The Associate of Science in Emergency Medical Services is a limited access program. Admission to the college does not guarantee admission into the program. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted into the program each year. Please refer to the Health Science Admissions information posted online.

Program Description: The Emergency Medical Services program contains three milestones to meet the needs of the community. The Applied Technology Diploma for the EMT (milestone 1) and the Technical Certificate for the Paramedic (milestone 2) are included in the Associate in Science Degree in Emergency Medical Services (milestone 3). Satisfactory completion of the EMT Applied Technology Diploma program (milestone 1) will enable the student to take the Florida State EMT Examination and the National Registry of Emergency Medical Technicians EMT Examination. Satisfactory completion of the advanced courses in the Paramedic Technical Certificate Program will enable students to take the Florida State Paramedic and National Registry of Emergency Medical Technicians Paramedic Examination.

Additional Program Information: Students spend time in the classroom, the EMS lab, in local area hospitals, and on fire-rescue or on Advanced Life Support ambulances to gain the range of didactic, psychomotor, and affective knowledge, skills, and abilities necessary to function as entry-level paramedics. All classes in a semester must be successfully-completed with a "C" or better to move to the next semester in the sequence. All paramedic-level EMS-prefix classes must be taken at Broward College.

The Emergency Medical Services Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Build Your Education



Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	ATD1	TC1
Term 1		EMS1000	Introduction to EMS	1	X	
		EMS1119	Emergency Medical Technician Basic	6	X	
		EMS1119L	EMS Skills Lab	1	X	
		EMS1411	Hospital Clinical	2	X	
		EMS1421	Field Clinical	2	X	
Term 2		EMS2010	Body Systems for the Paramedic	3		X
		EMS2631	Paramedic Science I	3		X
		EMS2631L	Paramedic Science I Lab	1		X
		EMS2201	Paramedic Clinical Experience	1		X
		EMS2650	Paramedic Science I Field Clinical	1		X
Term 3		EMS2632	Paramedic Science II*	3		X
		EMS2632L	Paramedic Science II Lab	1		X
		EMS2633	Paramedic Science II, Cardio-Respiratory	3		X
		EMS2641	Paramedic Science, Hospital Clinical I	2		X
		EMS2651	Paramedic Science II Field Clinical	2		X
Term 4		EMS2634	Paramedic Science III	3		X
		EMS2634L	Paramedic Science III Lab	1		X
		EMS2635	Paramedic Science III, Medical Emergencies	3		X
		EMS2642	Paramedic Science, Hospital Clinical II	2		X
		EMS2652	Paramedic Science III Field Clinical	2		X
Term 5		EMS2636	Paramedic Science IV	3		X
		EMS2636L	Paramedic Science IV Lab*	2		X
		EMS2643	Paramedic Science, Hospital Clinical III	2		X
		EMS2653	Paramedic Science Internship	4		X
Term 6	Term 6	ENC1101	Composition I	3		
		MGF1106	Foundations of Mathematical Reasoning	3		
	Term 7	GE Course	General Education Biological/Physical Science	3		
		PHI2010***or	Philosophy or			
		REL2000***or	Introduction to Religion or			
		ARH2000 or	Art Appreciation or			
		MUL2010	Music Appreciation	3		
Term 7	Term 8	SPC1024 or	Introduction to Speech Communication or			
		SPC1608	Public Speaking	3		
	Term 9	PSY2012	General Psychology	3		
		EMS2311	Leadership Practicum**	1		
			Total Credit Hours	*73*	12	42

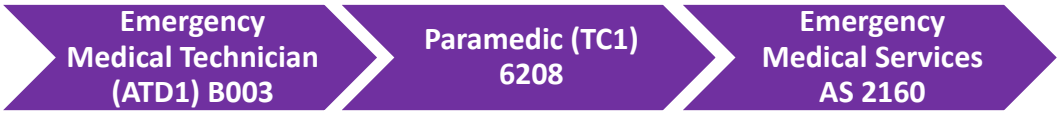
Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. *To continue in the second and successive semesters of the Paramedic program, students must possess a valid State of Florida EMT license and maintain it for the duration of the program. **This course may not be offered every semester, check with the EMS department for availability. Students who complete the Associate of Science in EMS are considered to have met the college's computer competency requirement. A grade of "C" or higher is required for all courses. ***Course meets writing requirement. **Students are strongly encouraged to meet with an advisor to create an educational plan.**

CHOOSE YOUR COURSES

Emergency Medical Technician Applied Technology Diploma– B003

Career Pathway: Health Sciences
Location(s): General education courses are available at all BC locations. Program specific courses are offered at A. Hugh Adams Central Campus and North Campus.
Program Entrance Requirements: HS Diploma or GED. The Emergency Medical Technician (EMT) program is a limited access program. Admission to the college does not guarantee admission into the program. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted into the program each year. Please refer to the Health Science Admissions information posted online.
Program Description: The Emergency Medical Technician (EMT) is milestone one (1) of three leading to an Associate Degree in Emergency Medical Services. Satisfactory completion of the EMT Applied Technology Diploma program will enable the student to take the Florida State EMT Examination and the National Registry of Emergency Medical Technicians EMT Examination. Visit the program's website for additional information.

Build Your Education



Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1		EMS1000	Introduction to EMS	1
		EMS1119	Emergency Medical Technician Basic	6
		EMS1119L	EMS Skills Lab	1
		EMS1411	Hospital Clinical	2
		EMS1421	Field Clinical	2
Total Credit Hours				***12***

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. A grade of "C" or higher is required for all courses.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Health Information Technology - 2179

Career Pathway: Health Sciences

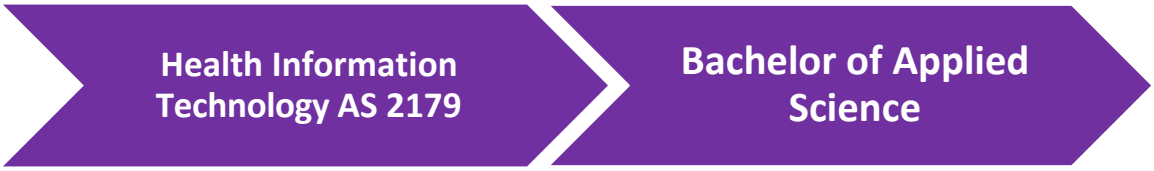
Location(s): General Education courses are offered at al BC locations. Program specific courses are only offered at the Coral Springs Center.

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.

Program Description: The Associate of Science in Health Information Technology program prepares the student for employment as a health information technician (HIT) in a variety of settings and eligibility to write the national certifying examination to become a Registered Health Information Technician (RHIT). The program will also provide the student the eligibility to sit for the AAPC or AHIMA coding credentialing examinations. Responsibilities include coding of diagnoses and procedures; as well as processing, storage and retrieval of health information in ether paper or electronic health records.
Areas covered in the course work include, but not limited to, confidentiality of protected health information, health information and electronic health records systems, legal aspects, statistical reporting, reimbursement methodology, healthcare informatics, performance improvement, and supervision of daily department activities comprise other functions taught in the program. Visit the program's website for additional information.

Additional Program Information: Students must complete all required coursework with a grade of "C" or higher and earn a minimum degree grade point average of 2.0. The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). BC has articulation agreements with limited educational organizations in the community which allow us to accept the certifications received from that program to be counted (credits awarded) towards your degree at BC. The program currently has articulation agreements with Sheridan and Atlantic Tech Vocational Centers for students graduating from the Medical Transcription and the Medical Coder/Billing Certification Programs.

Build Your Education



Recommended Course Sequence

Full Time	Course ID	Descriptio	Credits
Term 1	ENC1101	English Composition I	3
	MAC1105	College Algebra	3
	BSC2085	Anatomy and Physiology I	3
	BSC2085L	Anatomy and Physiology I Lab	1
	HSC1531	Medical Terminology	3
Apply to Program		**Program starts every Fall term**	
Term 2	HIM1000	Introduction to Health Information Technology	3
	HIM1253	Coding I	3
	HIM1253L	Coding I Lab	1
	HIM1260	Reimbursement Methodology	2
	BSC2086	Anatomy and Physiology II	3
	BSC2086L	Anatomy and Physiology II Lab	1
Term 3	HIM 1110	Health Data Concepts	3
	HIM1110L	Health Data Concepts Lab	1
	HIM2232	Coding II	2
	HIM2232L	Coding II Lab	1
	HIM2433	Pathophysiology and Pharmacology	3
	HIM1800	Professional Practice Experience	1
Term 4	CGS1540	Database Management	3
	PSY2012	General Psychology	3
Term 5	HIM2512	Supervision & Organization Life	2
	HIM2012	Health Records Law	3
	HIM2652	Health Information Systems	3
	HIM2214L	Health Statistics	1
Term 6	HIM2728	Coding III	2
	HIM2728L	Coding III Lab	1
	HIM2112C	Electronic Health Records	3
	HIM2500	Performance Improvement	2
	SPC1608	Public Speaking **or**	3
	SPC1024	Introduction to Speech Communications	
Term 7	PHI2600	Ethics	3
	HIM2810	Professional Practice II	2
	HIM2930L	Transition Seminar	2
	Total Program Credit Hours		**70**

Note: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Nuclear Medicine Technology – 2102

Career Pathway: Health Sciences
Location(s): General Education courses are offered at all BC locations
Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.
Program Description: The Associate of Science in (Hospital-Based) Nuclear Medicine Technology program is a limited access program. This program provides a means for graduates of an accredited hospital-based program to obtain an Associate in Science Degree in Nuclear Medicine. To qualify for this program, applicants must be currently nationally registered as a nuclear medicine technologist and currently hold a valid license in the field. Visit the program's website for additional information.
Additional Program Information: Students must complete a minimum of 19 credits of the general education and core courses at Broward College to satisfy the residency requirement. To apply for the Prior Learning credit, students must provide a copy of ARRT/NMTCB Registry.

Build your Education

ARRT/NMTCB Registry → (Hospital-Based) Nuclear Medicine Technology AS 21021 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		GE Course	General Education Mathematics	3
	Term 2	BSC2085	Anatomy & Physiology I	3
		BSC2085L	Anatomy & Physiology Lab I	1
		CGS1060C	Computer and Internet Literacy	3
Term 2	Term 3	CHM1032	Chemistry for Health Sciences	3
		CHM1032L	Chemistry for Health Sciences Lab	1
		PHY1001	Applied Physics	3
	Term 4	PSY2012 or SYG2000	General Psychology or Principles of Sociology	3
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3
Term 3	Term 5	PHI2010** or REL2000** or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
		BSC2086	Anatomy & Physiology II	3
		BSC2086L	Anatomy & Physiology Lab II	1
Experiential Learning Credit Awarded with copy of ARRT/NMTCB Registry License.		NMT1002	Introduction to Nuclear Medicine	3
		NMT1002L	Nuclear Medicine Lab	1
		NMT1430	Radiation Safety and Radiobiology	3
		NMT1714	Nuclear Medicine Pathology	2
		NMT1804	Nuclear Medicine Clinical Education I	2
		NMT1630	Nuclear Medicine Physics and Math App	3
		NMT1814	Nuclear Medicine Clinical Education II	2
		NMT2713	Nuclear Medicine Methodology I	2
		NMT2713L	Nuclear Medicine Methodology I Lab	1
		NMT2824	Nuclear Medicine Clinical Education III	3
		NMT2130	Nuclear Medicine Radiopharmacy	2
		NMT2779	Intro to Multiple Modalities	2
		NMT2723	Nuclear Medicine Methodology II	2
		NMT2723L	Nuclear Medicine Methodology II Lab	1
		NMT2834	Nuclear Medicine Clinical Education IV	3
		NMT2534	Nuclear Medicine Instrumentation	2
		NMT2102	Nuclear Medicine Administration	1
		NMT2960	Nuclear Medicine Advance Applications	2
		NMT2061	Nuclear Medicine Seminar	3
		NMT2844	Nuclear Medicine Clinical Education V or	2
			Total Credit Hours	***75***

Note: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. *Requires approval of Associate Dean. **Counts as writing credit.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in (Hospital-Based) Radiation Therapy - 21591

Career Pathway: Health Sciences
Location(s): General Education courses are offered at all BC locations. Program specific courses are only available at the North Campus.

Program Entrance Requirements: The Associate of Science in (Hospital-Based) Radiation Therapy is a limited access program. Admission to the college does not guarantee admission into the program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.

Program Description: This program provides a means for graduates of an accredited hospital-based program to obtain an Associate in Science Degree in Radiation Therapy. To qualify for this program, applicants must be currently nationally registered as a Radiation Therapist by the ARRT (American Registry of Radiologic Technologist) and currently hold a valid license in the field. Visit the program's website for additional information.

Additional Program Information: Students must complete a minimum of 20 general education and core credit hours at Broward College to satisfy residency requirements. To apply for experiential learning credit, students must provide a copy of current ARRT Registry. After the documentation has been reviewed and approved, students will be awarded 51 credits toward the program.

In order to successfully progress through the AS (Hospital-Based) Radiation Therapy Program, students must achieve a grade of "C" in all coursework. This requirement is in addition to maintaining an overall degree GPA of at least 2.0.

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	College Composition I	3
		BSC2085	Anatomy and Physiology I	3
		BSC2085L	Anatomy and Physiology I Lab	1
	Term 2	MGF1106 or	Liberal Arts Math or	
		MAC1105 or	College Algebra or	
		STA2023	Statistics	3
		CGS1060C	Computer and internet Literacy	3
Term 2	Term 3	SPC1024 or	Speech Communication or	
		SPC1608	Introduction to Public Speaking	3
		PHI2010* or	Philosophy or	
		REL2000* or	Introduction to Religion or	
		ARH2000 or	Art Appreciation or	
		MUL2010	Music Appreciation	3
	Term 4	BSC2086	Anatomy and Physiology I	3
		BSC2086L	Anatomy and Physiology I Lab	1
Experiential Learning Credit Awarded with copy of ARRT Registry License.		RAT1112	Radiation Therapy Medical Imaging	1
		RAT1123	Patient Care and Ethics	1
		RAT1123L	Radiation Therapy Patient Care Lab	1
		RAT1212	Radiation Therapy Imaging Anatomy	2
		RAT1614	Introduction to Radiation Physics	2
		RAT1210	Introduction to Radiation Therapy Anatomy	1
		PSY2012	General Psychology	3
		RAT1001	Introduction to Radiation Therapy	1
		RAT1002	Introduction to Radiation Therapy Clinical	2
		RAT1002L	Introduction to Radiation Therapy Clinical Lab	1
		RAT1515	Radiation Pharmacology	1
		RAT1804	Clinical Education I	1
		RAT2021	Principles of Radiation Therapy I	2
		RAT2617	Advanced Radiation Physics I	3
		RAT2023	Oncology I	3
		RAT2243	Radiation Oncology Sectional Anatomy	4
		RAT2040	Radiation Oncology Law	1
		RAT2814	Clinical Education II	3
		RAT2022	Principles of Radiation Therapy II	2
		RAT2024	Oncology II	3
		RAT2041	Radiation Oncology Ethics	1
		RAT2618	Advanced Radiation Physics II	2
		RAT2657	Quality Assurance/Quality Management	2
		RAT2241	Radiobiology	2
		RAT2824	Clinical Education III	3
		RAT 2061	Radiation Therapy Seminar	2
		RAT2619	Dosimetry & Computer Treatment Planning	2
		RAT2834 or	Clinical Education IV or	
		RAT2905	Independent Study*	2
			Total Credit Hours	***77***

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.*Course requires approval of Associate Dean.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in (Hospital-Based) Radiography - 21311

Career Pathway: Health Sciences

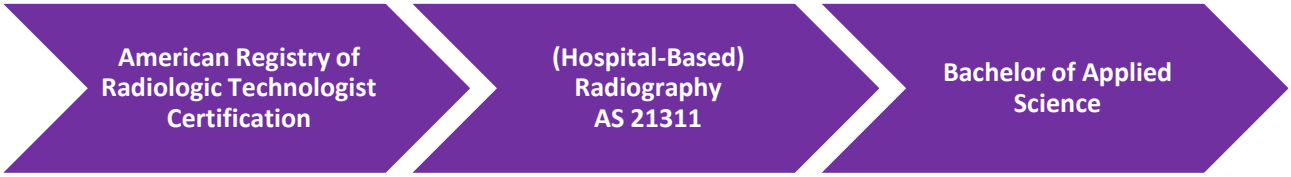
Location(s): General Education Courses are offered at all BC locations.

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.

Program Description: The Associate of Science in (Hospital-Based) Radiography program is a limited access program. This program provides a means for those currently enrolled in an accredited hospital-based program to obtain an Associate in Science Degree in Radiography. This program is also open to graduates of such programs, who hold a national certification by the ARRT (American Registry of Radiologic Technologist) and a valid state license. Radiographers manipulate x-ray equipment and provide patient care to produce images of the tissues, organs, bones, and vessels of the body. Radiographers work closely with radiologists, who are the physicians responsible for interpreting medical images. Visit the program's website for additional information.

Additional Program Information: Students must complete a minimum of 20 general education and core credit hours at Broward College to satisfy residency requirements.
To apply for experiential learning credit, students must provide an official transcript indicating graduation/completion date from a hospital-based Radiography program, or valid ARRT certification. In order to successfully progress through the Radiography Program, students must achieve all cognitive, affective, and psychomotor objectives. This requires a grade of "C" or above to be earned in all didactic courses and an "S" (satisfactory) grade in all clinical/laboratory courses. This is in addition to maintaining an overall degree GPA of at least 2.0.

Build your Education



Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		MAC1105	College Algebra	3
	Term 2	BSC2085	Anatomy & Physiology I	3
		BSC2085L	Anatomy & Physiology I Lab	1
		PHI2010* or REL2000* or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
Term 2	Term 3	BSC2086	Anatomy & Physiology II	3
		BSC2086L	Anatomy & Physiology Lab II	1
	Term 4	PSY2012 or SYG2000	General Psychology or Principals of Sociology	3
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3
Experiential Learning Credit Awarded with copy of ARRT Registry License.		RTE1503	Radiographic Procedures I	3
		RTE1503L	Radiographic Procedures I Lab	1
		RTE1000	Introduction to Radiologic Technology	3
		RTE1111	Patient Care I	3
		RTE1111L	Patient Care I Lab	1
		RTE1804	Clinical Education I	2
		RTE1513	Radiographic Procedures II	3
		RTE1513L	Radiographic Procedures II Lab	1
		RTE1418	Imaging I	3
		RTE1418L	Imaging I Lab	1
		RTE1814	Clinical Education II	2
		RTE1523	Radiographic Procedures III	3
		RTE1523L	Radiographic Procedures III Lab	1
		RTE1824	Clinical Education III	2
		RTE2457	Imaging II	3
		RTE2457L	Imaging II Lab	1
		RTE2385	Radiation Biology & Protection	3
		RTE2834	Clinical Education IV	3
		RTE2116	Patient Care II	3
		RTE2116L	Patient Care II Lab	1
		RTE2563	Adv. Imaging Proc, Modalities & Pathology	3
		RTE1763	Comp'd Tomography & Cross-Sec Anatomy	3
		RTE2844	Clinical Education V	3
		RTE2061	Radiography Seminar	1
		RTE2854	Clinical Education VI	1
			Total Credit Hours	***77***

Note: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Nursing - 21271 (LPN-RN Transition)

Career Pathway: Health Sciences

Location(s): General education courses are offered at all BC locations. Program specific courses are available at A. Hugh Adams Central Campus, the Judson A. Samuels South Campus and the North Campus. The student may select the campus site they want to attend for the duration of the program on initial registration for the first nursing courses,then all courses are taken on the selected campus. Any requests for transfer of campus must be approved by the Associate Dean.

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Admission into the LPN-RN Transition option begins each May and the location is rotated on each campus. Students applying for the LPN-RN Transition Option must hold a current Florida LPN License without restrictions, complaints and/or obligations. After acceptance into the Nursing Program, students are required to complete a Medical History and Physical Examination. Acceptance is provisional based upon the approved health evaluation documents. Students are also required to provide a satisfactory criminal background check and HHS/OIG clearance and drug screening. Ability to meet the Performance Standards for the Nursing Program to insure the safety of both the student and the patient(s) under their care. Students must be able to meet Performance Standards to enter and remain in the program. Please click here for admission information.

Program Description: The Associate of Science Degree in Nursing is designed to prepare the student for a career as a registered nurse. The mission of the Broward College Nursing Program is to prepare competent, compassionate, and culturally sensitive entry-level nursing graduates whose professional practice encompasses legal and ethical decision making. The Department of Nursing is committed to providing a nursing program that is accessible to a diverse community of learners. Delivered by a dedicated Faculty, the program provides a collaborative teaching-learning environment to promote critical thinking, lifelong learning, and positive role in a changing and global society across the lifespan. The program is committed to accomplishing this mission through the use of effective and diverse instructional methods that encompass both traditional as well as technology-based strategies. Visit program's website for additional information.

The Nursing Program is approved by the Florida Board of Nursing, accredited by the Accreditation Commission for Education in Nursing (ACEN), and holds membership in both the Associate Degree Council of the National League for Nursing and the National Organization for Associate Degree Nursing (N-OADN). The Florida Board of Nursing mailing address is 4052 Bald Cypress Way, Tallahassee, Florida 32399-3257. www.doh.state.fl.us. ACEN is located at 3343 Peachtree Road, NE, Suite 500, Atlanta, Georgia, 30326. www.acen.org.

The student who has met all educational and institutional requirements for an Associate of Science Degree in Nursing from Broward College is eligible to have his/her name submitted to the Florida Board of Nursing to be considered as a candidate for the National Council Licensure Examination for the Registered Nurse (NCLEX-RN). The Florida Board of Nursing is the state agency authorized to determine if the applicant qualifies to take the National Council Licensure Examination (NCLEX-RN) for licensure as a Registered Nurse in Florida. For licensure requirements, refer to sections 464.008 and 464.009, Florida Statutes (F. S.), Rules 64B9-3.002 and 3.008, Florida Administrative Code (F.A.C.)

Additional Program Information: The Nursing Program offers two program options for the Associate in Science Degree in Nursing: The Generic Option and the LPN-RN Transition Option. Both program options are offered in the traditional classroom setting. The LPN-RN Transition Option is for students who already hold a current Florida Practical Nursing License without restrictions. The LPN-RN Transition program recognizes the Florida Licensed Practical Nurses' knowledge and skill level, and provides experiential learning credits for Nursing Process I/II (Fundamentals of Nursing). After admission, students are required to complete certificate courses; CAE0216 (HIV/AIDS), CAE0660 (TB/OSHA/Hepatitis), CAE0062 (CPR Basic Life Support American Heart Association approved), CAE0441 (Domestic Violence), CAE0528 (Prevention of Medical Errors), and CAE0644 (Florida Laws & Rules for Nursing and Respiratory Care). All Certificates are to have Florida Board of Nursing (FBN) approval shown by FBN number. The due dates for the forms/certificates are given in the mandatory, general orientation meeting that is discussed in the acceptance letter provided to students.

Build your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	English Composition I	3
		MAC1105	College Algebra**	3
	Term 2	PSY2012	General Psychology	3
		BSC2085	Human Anatomy & Physiology I	3
		BSC2085L	Human Anatomy & Physiology Lab	1
Term 2	Term 3^	BSC2086	Human Anatomy & Physiology II	3
		BSC2086L	Human Anatomy & Physiology II Lab	1
		CHM1032	Chemistry Health Science**	3
	Term 4…	PHI2010* or REL2000* or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
Take A2 HESI Test (required before application)				
Apply to the Program (Prior to May term start)		Students are selected based on GPA calculated from select courses listed above, see the Health Science Admission Criteria for additional details.		
Complete the following certificates after being accepted and before starting the program: CAE0216 (HIV/AIDS), CAE0660 (TB/OSHA/Hepatitis), CAE0062 (CPR Basic Life Support American Heart Association approved), CAE0441 (Domestic Violence), CAE0528 (Prevention of Medical Errors), and CAE0644 (Florida Laws & Rules for Nursing and Respiratory Care)**				
Term 3	Term 4 continues	MCB2010	Microbiology	3
		MCB2010L	Microbiology Lab**	1
Term 4	Term 6	HSC1149	Pharmacology	2
		MTB1370	Math Topics for Health Related Professions	1
		NUR2000	Transition Nursing I	2
		NUR2000L	Transition Nursing Clinical Lab	2
		NUR1220	Health Alterations I	3
		NUR1220L	Health Alterations I Clinical Lab	2
Term 5	Term 7	NUR1421	Health Care of Women	3
		NUR1400L	Transition Health Care of Women Clinical Lab	1
		NUR1520	Nursing Care of the Psychiatric Patient	3
		NUR1500L	Transition Nursing Care of the Psychiatric Patient Clinical Lab	1
Term 6	Term 8	NUR1310	Pediatric Nursing	3
		NUR1304L	Transition Pediatric Nursing Clinical Lab	1
		NUR2221	Health Alterations II	3
		NUR2221L	Health Alterations II Clinical Lab	2
Term 7	Term 9	NUR2222	Health Alterations III	3
		NUR2222L	Health Alterations III Clinical Lab	2
		NUR2801	Transition Nursing IV	3
		NUR2801L	Transition Nursing IV Lab	2
Articulated Credits		Experiential Learning Credits***		10***
Total Credit Hours				72

Note: Many courses have specific pre-requisite and co-requisite requirements that must be followed.
^ Part-time Students may apply after completing "Term 3"
*Course meets writing requirement.
The General Education Mathematics course may have a required prerequisite of MAT1033/STA1001. MCB2010 has a required prerequisite of CHM1032 and co-requisite MCB2010L.* ***MAT1033/STA1001, MCB2010L, and CHM1032 are not included in the overall program credit hours and therefore students may not be eligible for Federal Financial Aid for these specific co/pre-requisite courses.
***LPN-RN Transition students will be eligible for up to 10 Nursing Course Credits for experiential learning. The experiential learning credits are awarded in the final nursing course. Students must contact the Nursing department for more information.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Medical Assisting- 2511

Career Pathway: Health Sciences

Location(s): General Education Courses are offered at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus.

Program Entrance Requirements: Students must have completed the Medical Assisting Specialist Technical Certificate (6353) prior to admittance to the Associate of Science Medical Assisting degree. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted to the program each year. Please click here for more information.

Program Description: The Associate of Science in Medical Assisting program is a two year degree program. The Broward College Medical Assisting Technical Certificate program is accredited by the Commission on Accreditation of Allied Health education Programs (www.caahep.org) upon the recommendation of Medical Assisting Education Review Board (MAERB). The role of the Medical Assistant within the physician's office is varied, demanding, and complex. Duties and responsibilities may encompass those sills of administrator, clinician, or technician. In many instances, the Medical Assistant functions in all three areas while also serving as a public relations specialist. Visit the program's website for additional information.

Additional Program Information: One cohort of 30 students is admitted each August. A final grade of "C" or higher must be achieved in each Medical Assisting course for continuance in the Program. To successfully progress through the Medical Assisting Program students must achieve a grade of "C" or above in all didactic courses, and "S" (satisfactory) grade in all clinical and laboratory courses, maintain an overall degree GPA of at least 2.0.

Students are placed into practicums in physicians' offices throughout Broward County which offer maximum flexibility. The practicum course has been especially designed to meet the individual needs of the student thus allowing for the development of specific skills within a chosen interest or specialty area.

Upon completion of this twelve (12) month program the student will be eligible to register for the national certification exam of the American Association of Medical Assistants to obtain the credential of Certified Medical Assistant (CMA-AAMA).

A student who withdraws or is withdrawn from a Medical Assisting course shall refer to College Policy 6Hx2-5.33 and Procedure A6Hx2-5.33 on reentry into a Health Sciences Program and/or program guidelines. Reentry to a Program will be based upon space availability. Only one reentry will be allowed. Students who receive a grade of "D" or "F" in any course after reentry will result in permanent dismissal from the BC Medical Assisting program.

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1
Term 1		MEA1007	Introduction to Medical Assisting	4	X
		MEA1235	A&P with Disease Processes & Medical Terms	3	X
		MEA1265	Medical Lab Procedures	3	X
		MEA1265L	Medical Lab Procedures Lab	1	X
		MEA1245	Phlebotomy for the Medical Assistant	2	X
		MEA1245L	Phlebotomy for the Medical Assistant Lab	2	X
Term 2		MEA1242	Pharmacology for Medical Assistants	3	X
		MEA1206	Clinical Procedures	4	X
		MEA1206L	Clinical Procedures Lab	2	X
		MEA1258	Radiology for Medical Assistant I	2	X
		MEA1542	EKG for Medical Assisting	3	X
		MEA1542L	EKG for Medical Assisting Lab	1	X
Term 3		MEA1259	Radiology for Medical Assistant II	2	X
		MEA1259L	Radiology for Medical Assistant II Lab	1	X
		MEA1304	Medical Front Office Practices	2	X
		MEA1304L	Medical Front Office Practices Lab	1	X
		MEA1952	Seminar in Medical Assisting	2	X
		MEA1800L	Externship in Medical Assisting	6	X
Term 4	Term 4	ENC1101	Composition I	3	
		SPC1024 or SPC1608	Introduction to Speech or Public Speaking	3	
	Term 5	PSY2012 or SYG2000	General Psychology or Principles of Sociology	3	
Term 5	Term 6	MGF1106	Foundations of Mathematical Reasoning	3	
		PHI2010** or REL2000**or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3	
	Term 7	GE Course	General Education Biological or Physical Science	3	
		CGS1060C	Computer & Internet Literacy	3	
			Total Credit Hours	*65*	44

***Notes**: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.
*Students must have a current CPR certification from the American Heart Association for Healthcare providers with AED prior to any labs, clinical courses, or externships. **Satisfies required writing credit in program.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Nuclear Medicine Technology – 2102

Career Pathway: Health Sciences
Location(s): General Education courses are offered at all BC locations. Program specific courses are only available at North Campus.
Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.
Program Description: The Associate of Science in Nuclear Medicine Technology program is a limited access program. This program prepares students to become Nuclear Medicine Technologists. Nuclear Medicine Technologists prepare and administer radiopharmaceuticals to patients and perform diagnostic procedures on virtually every organ system in the human body by using highly sophisticated computerized detection systems to produce and process images. Visit the program's website for additional information.

Build your Education

Nuclear Medicine Technology AS → **Bachelor of Applied Science**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		GE Course	General Education Mathematics	3
	Term 2	BSC2085	Anatomy & Physiology I	3
		BSC2085L	Anatomy & Physiology Lab I	1
		CGS1060C	Computer and Internet Literacy	3
Term 2	Term 3	CHM1032	Chemistry for Health Sciences	3
		CHM1032L	Chemistry for Health Sciences Lab	1
		PHY1001	Applied Physics	3
	Term 4	PSY2012 or SYG2000	General Psychology or Principles of Sociology	3
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3
Term 3	Term 5	PHI2010** or REL2000** or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
		BSC2086	Anatomy & Physiology II	3
		BSC2086L	Anatomy & Physiology Lab II	1
Apply to the Program (By May 3rd)		Students earn points by the successful completion of the select courses listed above, see Health Science Admission Criteria for additional details.		
Term 4	Term 6	NMT1002	Introduction to Nuclear Medicine	3
		NMT1002L	Nuclear Medicine Lab	1
		NMT1430	Radiation Safety and Radiobiology	3
Term 5	Term 7	NMT1714	Nuclear Medicine Pathology	2
		NMT1804	Nuclear Medicine Clinical Education I	2
		NMT1630	Nuclear Medicine Physics and Math App	3
Term 6	Term 8	NMT1814	Nuclear Medicine Clinical Education II	2
Term 7	Term 9	NMT2713	Nuclear Medicine Methodology I	2
		NMT2713L	Nuclear Medicine Methodology I Lab	1
		NMT2824	Nuclear Medicine Clinical Education III	3
		NMT2130	Nuclear Medicine Radiopharmacy	2
		NMT2779	Intro to Multiple Modalities	2
Term 8	Term 10	NMT2723	Nuclear Medicine Methodology II	2
		NMT2723L	Nuclear Medicine Methodology II Lab	1
		NMT2834	Nuclear Medicine Clinical Education IV	3
		NMT2534	Nuclear Medicine Instrumentation	2
		NMT2102	Nuclear Medicine Administration	1
		NMT2960	Nuclear Medicine Advance Applications	2
Term 9	Term 11	NMT2061	Nuclear Medicine Seminar	3
		NMT2844	Nuclear Medicine Clinical Education V or	2
Total Program Credit Hours				*75*

Note: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. *Requires approval of Associate Dean. **Counts as writing credit.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Nursing - 2127 (Generic-RN)

Career Pathway: Health Sciences

Location(s): General education courses are offered at all BC locations. Program specific courses are available at A. Hugh Adams Central Campus, the Judson A. Samuels South Campus, and the North Campus. The student may select the campus site they want to attend for the duration of the program on initial registration for the first nursing courses, then all courses are taken on the selected campus. Any requests for transfer of campus must be approved by the Associate Dean.

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Admission into the Generic-RN option begins every August, January and May. After acceptance into the Nursing Program, students are required to complete a Medical History and Physical Examination. Acceptance is provisional based upon the approved health evaluation documents. Students are also required to provide a satisfactory criminal background check and HHS/OIG clearance and drug screening. Ability to meet the Performance Standards for the Nursing Program to insure the safety of both the student and the patient(s) under their care. Students must be able to meet Performance Standards to enter and remain in the program. Please click here for admission information.

Program Description: The Associate of Science Degree in Nursing is designed to prepare the student for a career as a registered nurse. The mission of the Broward College Nursing Program is to prepare competent, compassionate, and culturally sensitive entry-level nursing graduates whose professional practice encompasses legal and ethical decision making. The Department of Nursing is committed to providing a nursing program that is accessible to a diverse community of learners. Delivered by a dedicated Faculty, the program provides a collaborative teaching-learning environment to promote critical thinking, lifelong learning, and positive role in a changing and global society across the lifespan. The program is committed to accomplishing this mission through the use of effective and diverse instructional methods that encompass both traditional as well as technology-based strategies. Visit program's website for additional information.

The Nursing Program is approved by the Florida Board of Nursing, and accredited by the Accreditation Commission for Education in Nursing (ACEN). The Florida Board of Nursing mailing address is 4052 Bald Cypress Way, Tallahassee, Florida 32399-3257. www.doh.state.fl.us. ACEN is located at 3343 Peachtree Road, NE, Suite 500, Atlanta, Georgia, 30326. www.acen.org.

The student who has met all educational and institutional requirements for an Associate of Science Degree in Nursing from Broward College is eligible to have his/her name submitted to the Florida Board of Nursing to be considered as a candidate for the National Council Licensure Examination for the Registered Nurse (NCLEX-RN). The Florida Board of Nursing is the state agency authorized to determine if the applicant qualifies to take the National Council Licensure Examination (NCLEX-RN) for licensure as a Registered Nurse in Florida. For licensure requirements, refer to sections 464.008 and 464.009, Florida Statutes (F. S.), Rules 64B9-3.002 and 3.008, Florida Administrative Code (F.A.C.)

Additional Program Information: The Nursing Program offers two program options for the Associate in Science Degree in Nursing: The Generic Option and the LPN-RN Transition Option. Both program options are offered in the traditional classroom setting.

The Generic Option is for applicants who have no previous nursing education. The LPN-RN Transition Option is for students who already hold a current Florida Practical Nursing License without restrictions. Sessions are 8 weeks in length except the Summer Term, which is 6 weeks. The Generic-RN Nursing Program length is 18 months.

All nursing students must have internet access and the capability to perform basic computer skills. After admission, students are required to complete certificate courses; CAE0216 (HIV/AIDS), CAE0660 (TB/OSHA/Hepatitis), CAE0062 (CPR Basic Life Support American Heart Association approved), CAE0441 (Domestic Violence), CAE0528 (Prevention of Medical Errors), and CAE0644 (Florida Laws & Rules for Nursing and Respiratory Care). All Certificates are to have Florida Board of Nursing (FBN) approval shown by FBN number. The due dates for the forms/certificates are given in the mandatory, general orientation meeting that is discussed in the acceptance letter provided to students.

Build your Education

Nursing AS 2127 → **Bachelor of Science in Nursing**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	English Composition I	3
		MAC1105	College Algebra**	3
	Term 2	PSY2012	General Psychology	3
		BSC2085	Human Anatomy & Physiology I	3
		BSC2085L	Human Anatomy & Physiology Lab	1
Term 2	Term 3^	BSC2086	Human Anatomy & Physiology II	3
		BSC2086L	Human Anatomy & Physiology II Lab	1
		CHM1032	Chemistry for Health Science**	3
	Term 4	PHI2010* or REL2000* or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
Take A2 HESI Test (required before application)				
Apply to the Program (Open Ended each term)		Students earn points by successful completion of the select courses listed above, see the Health Science Admission Criteria for additional details.		
*Complete the following certificates after being accepted and before starting the program: CAE0216 (HIV/AIDS), CAE0660 (TB/OSHA/Hepatitis), CAE0062 (CPR Basic Life Support American Heart Association approved), CAE0441 (Domestic Violence), CAE0528 (Prevention of Medical Errors), and CAE0644 (Florida Laws & Rules for Nursing and Respiratory Care)**.*				
Term 3	Term 4 continues	MCB2010	Microbiology	3
		MCB2010L	Microbiology Lab	1
Term 4	Term 6	HSC1149	Pharmacology	2
		MTB1370	Math Topics for Health Related Professions	1
		NUR1020	Nursing Process I	3
		NUR1020L	Nursing Process Clinical Lab	2
		NUR1210	Nursing Process II	3
		NUR1210L	Nursing Process II Clinical Lab	2
Term 5	Term 7	NUR1220	Health Alterations I	3
		NUR1220L	Health Alterations I Clinical Lab	2
		NUR1421	Health Care of Women	3
		NUR1421L	Health Care of Women Clinical Lab	2
Term 6	Term 8	NUR1520	Nursing Care of the Psychiatric Patient	3
		NUR1520L	Nursing Care of the Psychiatric Patient Clinical Lab	2
Term 7	Term 9	NUR1310	Pediatric Nursing	3
		NUR1310L	Pediatric Nursing Clinical Lab	2
		NUR2221	Health Alterations II	3
		NUR2221L	Health Alterations II Clinical Lab	2
Term 8	Term 10	NUR2222	Health Alterations III	3
		NUR2222L	Health Alterations III Clinical Lab	2
		NUR2811	Trends, Practices and Roles	3
		NUR2811L	Trends, Practices and Roles Clinical Lab	2
			Total Credit Hours	75

Note: Many courses have specific pre-requisite and co-requisite requirements that must be followed.

^ Part-time Students may apply after completing "Term 3"

**Course counts towards writing credits.*

*** The Math prerequisite of MAT1033/STA1001 and the prerequisite of CHM1032 are not included in the overall program credit hours and therefore students may not be eligible for Federal Financial Aid for these specific pre-requisite courses.*

**** Students can take the certificate courses outside of Broward College. All Certificates are to have Florida Board of Nursing (FBN) approval shown by FBN number.*

Students are strongly encouraged to meet with an advisor to create an educational plan.

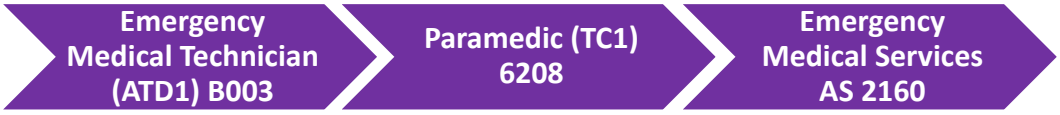
CHOOSE YOUR COURSES

Paramedic Technical Certificate – 6208

Career Pathway: Health Sciences
Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus and North Campus.
Program Entrance Requirements: HS Diploma or GED. The Paramedic Technical Certificate is a limited access program. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted into the program each year. Please refer to the Health Science Admissions information posted online.
Program Description: The Paramedic Technical Certificate (TC) is milestone two (2) for completion of the Emergency Medical Services Associate in Science degree. Satisfactory completion of advanced course in the Paramedic TC program will enable students to take the Florida State Paramedic and National Registry of Emergency Medical Technicians Paramedic Examination. Visit program's website for additional information.

Additional Program Information: Students must complete all required coursework with a grade of "C" or higher, all paramedic level EMS prefix courses must be taken at Broward College. The Emergency Medical Services Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Education Programs for the Emergency Medical Services Professions (CoAEMSP).

Build Your Education



Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1		EMS2010	Body Systems for the Paramedic	3
		EMS2631	Paramedic Science I	3
		EMS2631L	Paramedic Science I Lab	1
		EMS2201	Paramedic Clinical Experience	1
		EMS2650	Paramedic Science I Field Clinical	1
Term 2		EMS2632	Paramedic Science II*	3
		EMS2632L	Paramedic Science II Lab	1
		EMS2633	Paramedic Science II, Cardio-Respiratory	3
		EMS2641	Paramedic Science, Hospital Clinical I	2
		EMS2651	Paramedic Science II Field Clinical	2
Term 3		EMS2634	Paramedic Science III	3
		EMS2634L	Paramedic Science III Lab	1
		EMS2635	Paramedic Science III, Medical Emergencies	3
		EMS2642	Paramedic Science, Hospital Clinical II	2
		EMS2652	Paramedic Science III Field Clinical	2
Term 4		EMS2636	Paramedic Science IV	3
		EMS2636L	Paramedic Science IV Lab*	2
		EMS2643	Paramedic Science, Hospital Clinical III	2
		EMS2653	Paramedic Science Internship	4
Total Credit Hours				***42***

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. * To continue in the second and successive semesters of the Paramedic program students must possess a valid State of Florida EMT license and maintain it for the duration of the program.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Physical Therapist Assistant - 2153

Career Pathway: Health Sciences

Location(s): General education courses are offered at all BC locations. Program specific courses are at North Campus and at the Florida South Western State College (FSW) on the Thomas Edison campus in Fort Myers, Florida.

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted to the program each year. Please click here for admissions requirements.

Program Description: The Physical Therapist Assistant Associate of Science program is a limited access program which is delivered to students at Broward College (BC) and Florida South Western (FSW) State College via distance learning technology. Lectures are broadcast in real time so that all sites participate in lecture classes together. The individual sites manage lab sessions. The clinical education component of the program is managed by the Academic Coordinator of Clinical Education at the Broward site. The program provides the student with the opportunity to develop technical skills relative to physical therapy through planned clinical, classroom, and laboratory experiences. The graduate will be prepared to provide a variety of services under the direction and guidance of a supervising physical therapist. Visit program's website for additional information.

Additional Program Information: The program is a full-time day program accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). A licensing examination is required upon completion of the two-year program and the Physical Therapist Assistant shall be eligible for an appropriate membership category in the American Physical Therapy Association.
In order to successfully progress through the Physical Therapist Assistant program, students must meet all affective, cognitive, and psychomotor objectives, achieve a grade of "C" or above in all program courses, a grade of "S" in all clinical practicums, and maintain a minimum GPA of 2.0 or higher.

Build Your Education

Recommended Course Sequence

Full Time	*Course ID*	*Description*	*Credits*
Term 1	ENC1101	Composition I	3
	GE Course	**Mathematics:** MGF1106, MAC1105, or STA2023	3
	HSC1531	Medical Terminology	3
	BSC2085	Anatomy & Physiology I	3
	BSC2085L	Anatomy & Physiology Lab I	1
Term 2	BSC2086	Anatomy & Physiology II	3
	BSC2086L	Anatomy & Physiology Lab II	1
	PHT1103	Anatomy for the PTA	2
	PHT1103L	Anatomy for the PTA Lab	1
	PHT1200	Introduction to Physical Therapy	3
	PHT1200L	Introduction to Physical Therapy Lab	1
	PHT1300	Survey of Pathological Deficits	3
	PHT1310	Survey of Musculoskeletal Deficits	2
Term 3	PHT1020	Therapeutic Communication for the PTA	2
	PHT1211	Disabilities and Therapeutic Procedures I	3
	PHT1211L	Disabilities and Therapeutic Procedures I Lab	2
	PHT1801L	Clinical Practicum I	2
	PHT2224	Disabilities and Therapeutic Procedures II	4
	PHT2224L	Disabilities and Therapeutic Procedures II Lab	2
Term 4	PHT1350	Basic Pharmacology	1
	PHT2120	Applied Kinesiology	3
	PHT2120L	Applied Kinesiology Lab	1
	PHT2162	Survey of Neurological Deficits	3
	PHT2810L	Clinical Practicum II	5
	PSY2012	General Psychology	3
Term 5	PHT2704	Rehabilitative Procedures	3
	PHT2704L	Rehabilitative Procedures Lab	1
	PHT2820L	Clinical Practicum III	5
	GE Course	Humanities	3
	PHT2931	Transition Seminar	2
		Total Program Credit Hours	***74***

Associate of Science in Radiation Therapy - 2159

Career Pathway: Health Sciences
Location(s): General Education courses are offered at all BC locations. Program specific courses are only available at the North Campus.

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted to the program each year. Please click here for admission information.

Program Description: The Radiation Therapy Programs prepare individuals to successfully perform as a radiation therapist. Radiation therapists are vital members of a team of health professionals including a radiation oncologist (physician), physicist, dosimetrist, and oncology nurse. Some of the many functions of a radiation therapist include: assisting the radiation oncologist in localizing the tumor and simulating treatment parameters, treating patients with malignant diseases using ionizing radiation, monitoring patient's physical condition and response to treatment and recognizing treatment complications. Clinical education is performed in Broward and Palm Beach County hospitals/clinics and is offered concurrently with the didactic courses. Visit program's website for additional information.

Additional Program Information: This Associate in Science degree program is a two-year program. Applicants must complete all of the AS General Education course requirements prior to the second year of the program. Upon completion of this degree program, the graduates are eligible to take the American Registry of Radiologic Technologists (ARRT) certification exam & subsequently apply to the state of Florida for licensure. In order to successfully progress through the AS Radiation Therapy Program, students must achieve a grade of "C" or above in all didactic courses and clinical courses and an "S" (satisfactory) grade in all laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0. Radiation Therapy AS Program applicants who have criminal convictions or concerns must clear the ARRT ethics requirements through a pre-application review of eligibility process. The Pre-application Review of Eligibility process with the American Registry of Radiologic Technologists is done to avoid potential delays when applying to take the certification exam. Applicants should contact the ARRT directly at 651-687-0048 for further information.

Build Your Education

Radiation Therapy AS 2159 → **Bachelor of Applied Science**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	College Composition I	3
		BSC2085	Anatomy and Physiology I	3
		BSC2085L	Anatomy and Physiology I Lab	1
	Term 2	MGF1106 or MAC1105 or STA2023	Liberal Arts Math or College Algebra or Statistics	3
		CGS1060C	Computer and internet Literacy	3
Term 2	Term 3	SPC1024 or SPC1608	Speech Communication or Introduction to Public Speaking	3
		PHI2010* or REL2000* or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
		BSC2086	Anatomy and Physiology I	3
		BSC2086L	Anatomy and Physiology I Lab	1
Apply to the Program (By March 29th)		Students earn points by the successful completion of the select courses listed above, see Health Science Admission Criteria for additional details.		
Term 3	Term 4	RAT1112	Radiation Therapy Medical Imaging	1
		RAT1123	Patient Care and Ethics	1
		RAT1123L	Radiation Therapy Patient Care Lab	1
		RAT1212	Radiation Therapy Imaging Anatomy	2
		RAT1614	Introduction to Radiation Physics Introduction to	2
		RAT1210	Radiation Therapy Anatomy	1
		PSY2012	General Psychology	3
Term 4	Term 5	RAT1001	Introduction to Radiation Therapy	1
		RAT1002	Introduction to Radiation Therapy Clinical	2
		RAT1002L	Introduction to Radiation Therapy Clinical Lab	1
		RAT1515	Radiation Pharmacology	1
		RAT1804	Clinical Education I	1
Term 5	Term 6	RAT2021	Principles of Radiation Therapy I	2
		RAT2617	Advanced Radiation Physics I	3
		RAT2023	Oncology I	3
		RAT2243	Radiation Oncology Sectional Anatomy	4
		RAT2040	Radiation Oncology Law	1
		RAT2814	Clinical Education II	3
Term 6	Term 7	RAT2022	Principles of Radiation Therapy II	2
		RAT2024	Oncology II	3
		RAT2041	Radiation Oncology Ethics	1
		RAT2618	Advanced Radiation Physics II	2
		RAT2657	Quality Assurance/Quality Management	2
		RAT2241	Radiobiology	2
		RAT2824	Clinical Education III	3
Term 7	Term 8	RAT 2061	Radiation Therapy Seminar	2
		RAT2619	Dosimetry & Computer Treatment Planning	2
		RAT2834 or RAT2905	Clinical Education IV or Independent Study*	2
			Total Credit Hours	***77***

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.*Course requires approval of Associate Dean.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Radiography - 2131

Career Pathway: Health Sciences

Location(s): Program specific courses are at the A. Hugh Adams Central Campus

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.

Program Description: The Associate of Science in Radiography program is a limited access program. This degree program prepares students to practice as radiographers. Radiographers manipulate x-ray equipment and provide patient care to produce images of the tissues, organs, bones, and vessels of the body. Radiographers work closely with radiologists, who are the physicians responsible for interpreting medical images. Graduates are eligible to take the American Registry of Radiologic Technologists (ARRT) certification exam & subsequently apply to the state of Florida for licensure. Visit the program's website for additional information.

Additional Program Information: Program applicants who have prior criminal proceedings, disciplinary actions taken by a state or federal regulatory authority or certification board, and/or honor code (academic) violations should initiate an Ethics Review Pre-Application process with the ARRT prior to starting the program. This review process is done to avoid potential denial of eligibility to take the exam or delays when applying to take the certification exam. Applicants should visit the ARRT Website at www.arrt.org for further information.
In order to successfully progress through the Radiography Program, students must achieve all cognitive, affective, and psychomotor objectives. This requires a grade of "C" or above to be earned in all radiography courses. This is in addition to maintaining an overall degree GPA of at least 2.0.

Build your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		MAC1105	College Algebra	3
	Term 2	BSC2085	Anatomy & Physiology I	3
		BSC2085L	Anatomy & Physiology I Lab	1
		PHI2010* or REL2000* or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
Term 2	Term 3	PSY2012 or SYG2000	General Psychology or Principals of Sociology	3
		BSC2086	Anatomy & Physiology II	3
		BSC2086L	Anatomy & Physiology Lab II	1
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3
Apply to the Program (By March 29th)		Students earn points by the successful completion of the select courses listed above, see Health Science Admission Criteria for additional details.		
Term 3	Term 4	RTE1503	Radiographic Procedures I	3
		RTE1503L	Radiographic Procedures I Lab	1
		RTE1000	Introduction to Radiologic Technology	3
		RTE1111	Patient Care I	3
		RTE1111L	Patient Care I Lab	1
		RTE1804	Clinical Education I	2
Term 4	Term 5	RTE1513	Radiographic Procedures II	3
		RTE1513L	Radiographic Procedures II Lab	1
		RTE1418	Imaging I	3
		RTE1418L	Imaging I Lab	1
		RTE1814	Clinical Education II	2
Term 5	Term 6	RTE1523	Radiographic Procedures III	3
		RTE1523L	Radiographic Procedures III Lab	1
		RTE1824	Clinical Education III	2
Term 6	Term 7	RTE2457	Imaging II	3
		RTE2457L	Imaging II Lab	1
		RTE2385	Radiation Biology & Protection	3
		RTE2834	Clinical Education IV	3
Term 7	Term 8	RTE2116	Patient Care II	3
		RTE2116L	Patient Care II Lab	1
		RTE2563	Adv. Imaging Proc, Modalities & Pathology	3
		RTE1763	Comp'd Tomography & Cross-Sec Anatomy	3
		RTE2844	Clinical Education V	3
Term 8	Term 9	RTE2061	Radiography Seminar	1
		RTE2854	Clinical Education VI	1
			Total Credit Hours	***77***

Note: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Respiratory Care – 2132

Career Pathway: Health Sciences
Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at North Campus.

Program Entrance Requirements: The Associate of Science in Respiratory Care is a limited access program. Admission to the college does not guarantee admission into the program. Students are required to complete a supplemental application and meet specific criteria. There are a limited number of students admitted to the program each year. Students can also access admissions requirements online.

Program Description: Respiratory Care is a specialty dealing with the diagnosis, treatment and rehabilitation of patients with cardiorespiratory diseases. The program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). The degree satisfies the requirements established by the National Board for Respiratory Care and qualifies the graduate as a candidate for the national registry examination.

Additional Program Information: One cohort of 30 students is admitted each August. A final grade of "C" or higher must be achieved in each Respiratory Care course for continuance in the Program. A student who withdraws or is withdrawn from a Respiratory Care course shall refer to College Policy 6Hx2-5.33 and Procedure A6Hx2-5.33 on Re-entry into a Health Sciences Program and/or program guidelines. Reentry to a Program will be based upon space availability. Only one reentry will be allowed. The student who reenters must maintain a "C" or higher in each Respiratory Care course to continue in a Program. The student receiving a grade of D OR F in any course after reentry will result in permanent dismissal from the BC Respiratory Care program.
After admission, students are required to complete the Basic Life Support (CAE0062) certificate course. The due dates for the course are given in the mandatory, general orientation meeting prior to the beginning of the program.

Build Your Education

Respiratory Care AS 2132 → Bachelors of Applied Science

Recommended Course Sequence

Full Time / Part Time	Course ID	Description	Credits
Pre-Admission Requirements	ENC1101	Composition I	3
	BSC2085	Anatomy and Physiology I	3
	BSC2085L	Anatomy and Physiology I Lab	1
	CHM 1032	Chemistry for Health Sciences	3
	MAC1105 or MGF1106	College Algebra or Fundamentals of Mathematical Reasoning	3
	RET1024*	Introduction to Respiratory Care	1
The Respiratory Care Program is Full Time from This Point Forward			
Term 1	RET1026	Respiratory Care Equipment	3
	RET1026L	Respiratory Care Equip. Lab	1
	RET1485	Cardiopulmonary Anatomy and Physiology	3
	HSC1531	Medical Terminology	3
	BSC2086	Anatomy and Physiology II	3
	BSC2086L	Anatomy and Physiology II Lab	1
Term 2	RET1264	Mechanical Ventilation	3
	RET1264L	Mechanical Ventilation Lab	1
	RET1484	Cardiopulmonary Pathophysiology	3
	RET1832L	Clinic I	3
	RET1350	Cardiopulmonary Pharmacology	3
Term 3	RET2418	Cardiopulmonary Diagnostics	2
	RET1833L	Clinic II	2
	MCB2010	Microbiology	3

	MCB2010L	Microbiology Lab	1
Term 4	RET2834L	Clinic III	3
	RET2265	Advanced Equipment	2
	RET2265L	Advanced Equipment Lab	1
	RET2714	Pediatric & Neonatal Respiratory Care	3
	RET2414	Pulmonary Function	1
	RET2234L	Pulmonary Function and Simulation	1
	RET2934	Selected Topics in Respiratory Care	1
Term 5	RET2835L	Clinic IV	3
	RET2286C	Management of the Intensive Care Patient	2
	RET2601	Hospital Interactions	1
	PSY2012 or SYG2000	General Psychology or Principles of Sociology	3
	SPC1024 or SPC1608	Intro to Speech Communication or Introduction to Public Speaking	3
	PHI2010* or REL2000* or ARH2000 or MUL2010	Philosophy or Introduction to Religion Art Appreciation Music Appreciation	3
Total Credit Hours			*76*

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Technical Certificate in Scientific Workplace – 6355

Career Pathway: Health Sciences
Location(s): General education courses are available at all BC locations and online.
Program Entrance Requirements: HS Diploma or GED
Program Description: This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Health Sciences career pathway. The program provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation specific skills. Visit the program's website for additional information.

Build Your Education

Scientific Workplace (TC1) 6355 → Any Health Science AS degree → Bachelors of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		SPC1024 or	Introduction to Speech Communications or	
		SPC1608	Introduction to Public Speaking	3
	Term 2	BSC2085	Anatomy & Physiology I	3
		BSC2085L	Anatomy & Physiology I Lab	1
		MGF1106	Foundations of Mathematical Reasoning	3
Term 2	Term 3	HSC1000	Introduction to Health Sciences	3
		PSY2012 or	General Psychology or	
		SYG2000	Principles of Sociology	3
	Term 4	PHI2010** or	Philosophy or	
		REL2000** or	Introduction to Religion or	
		ARH2000 or	Art Appreciation or	
		MUL2010	Music Appreciation	3
		CHM1032 or	Chemistry for Health Sciences	
		CHM1045	General Chemistry I	3
		CHM1032L or	Chemistry for Health Sciences Lab	
		CHM1045L	General Chemistry I Lab	1
Total Credit Hours				***26***

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. A grade of "C" or higher is required for all courses. **Course meets writing requirement.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Vision Care Technology Opticianry AS - 21891

Career Pathway: Health Sciences

Location(s): General Education courses are offered at al BC locations. Program specific courses are at the North Campus.

Program Entrance Requirements: This is a limited access program. Students are required to complete a supplemental application and meet specific criteria. Please click here for more information.

Program Description: The Associate Degree Programs in Vision Care Technology provides the student with the opportunity to develop competency in skills relative to patient eye care. An Optician plays a vital role in the fitting and adapting of corrective lenses and other optical devices to aid vision and correct ocular deficiencies. To accomplish this, the Optician must use scientific and clinical procedures and apply learned skills to correctly produce and fit quality eyewear and contact lenses. The curriculum has been designed to train the student in the laboratory techniques of measuring, grinding, fitting, and adapting to eyewear, and preliminary examination pre- testing evaluation. Visit the program's website for additional information.

Additional Program Information: One cohort of 25 students is admitted each August. A final grade of "C" or higher must be achieved in each Vision Care Technology course for continuance in the Program. A student who withdraws or is withdrawn from Vision Care Technology course shall refer to College Policy 6Hx2-5.33 and Procedure A6Hx2-5.33 on Re-entry into a Health Sciences Program and/or program guidelines. Reentry to a Program will be based upon space availability. Only one reentry will be allowed. The student who reenters must maintain a "C" or higher in each Vision Care Technology course to continue in a Program. The student receiving a grade of "D" or "F" in any course after reentry will result in permanent dismissal from the BC Vision Care Technology Programs.

Build Your Education

Required Course Sequence

Full Time	Course ID	Description	Credits
Term 1	OPT1210	A and P of the Eye	3
	OPT1110	Physical and Geometric Optics	3
	OPT1110L	Physical and Geometric Optics Lab	1
	OPT1330	Orientation to Vision Care	2
	MGF1106 or MAC1105	Foundations of Mathematical Reasoning or College College Algebra	3
	ENC 1101	English Composition I	3
Term 2	PHI2010** or REL2000** or ARH2000 or MUL2010	Philosophy or Introduction to Religion or Art Appreciation or Music Appreciation	3
	OPT1150	Ophthalmic Lenses*	2
	OPT1150L	Ophthalmic Lenses Lab*	2
	OPT2090	Orientation to Vision Care Clinic*	1
	OPT2375	Refractometry*	2
	OPT2879	Refractometry Practicum	2
	BSC1005	General Biology	3
Term 3	OPT1450	Ophthalmic Dispensing Procedures*	2
	OPT1450L	Ophthalmic Dispensing Procedures Lab*	2
	OPT2500	Contact Lens Theory*	2
	OPT2500L	Contact Lens Theory Lab*	2
	OPT2800L	Vision Care Clinic I*	2
	CGS1060C	Computer and Internet Literacy	3
Term 4	OPT2420	Eyewear Fabrication I *	1
	OPT2420L	Eyewear Fabrication I Lab *	2
	OPT2830L	Contact Lens Clinic I *	2
	OPT2460	Ophthalmic Dispensing Clinic I *	2
	OPT2875	Ophthalmic Dispensing Practicum I *	2
	PSY2012	General Psychology	3
	SPC1608 or SPC1024	Public Speaking or Introduction to Speech Communication	3
Term 5	OPT2421	Eyewear Fabrication II *	1
	OPT2421L	Eyewear Fabrication II Lab *	3
	OPT2831L	Contact Lens Clinic II *	2
	OPT2461	Ophthalmic Dispensing Clinic II *	3
	OPT2876	Ophthalmic Dispensing Practicum II *	2
	OPT2060	Ophthalmic Management and Practice *	3
		Total Credit Hours	***72***

Notes: *Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. This program has mandatory course sequencing. **Counts as a writing credit. **Students are strongly encouraged to meet with an advisor to create an educational plan.**

CHOOSE YOUR COURSES

Program Description: The Registered Nurse to Bachelor of Science in Nursing (RN-BSN Program) is offered as a face-to-face or online post-licensure program intended to provide an increased educational opportunity for unrestricted and unencumbered licensed Registered Nurses (RNs). RNs applying to the program must have earned an Associate of Science (AS) Degree in nursing to matriculate into a baccalaureate degree program. RNs that have earned a Diploma in nursing from an accredited Diploma School of Nursing may enter the program by completing an Associate of Arts Degree, including the General Education Requirements, State of Florida Common Prerequisites, Required State of Florida courses and the RN-BSN Prerequisite courses. This one hundred twenty-three (123) credit hour program incorporates the Associate of Arts (AA) and AS lower division coursework as the foundation of the baccalaureate program.

Career Pathway: Health Sciences

Program Entrance Requirements: Applicants must possess an Associate of Science in Nursing or higher from an accredited institution recognized by Broward College. Applicants must also possess an unrestricted and unencumbered active license as a registered nurse in the State of Florida. Eligible applicants must:

- Apply to and be accepted by Broward College as a degree-seeking student (at www.broward.edu/future. The program's objective code is: RN-BSN N100).
- International Students must go to: www.broward.edu/international to apply and complete an admission application.
- Submit a supplemental application to the RN-BSN Program by the published deadline. There are three entry periods per year: Summer, beginning May, Fall, beginning August and Winter, beginning January. To access the RN-BSN Supplemental Application, please go to the following link: www.broward.edu/academics/programs/bsn.
- Possess an Associate of Science in Nursing or higher from an accredited institution.
- Possess an unrestricted and unencumbered license as a registered nurse.
- Successfully complete required health forms.
- Successfully complete a (level 2) background investigation and drug screening (fee required).
- Successfully complete statistics (STA2023) or equivalent course recognized by Broward College.
- Successfully complete a minimum of 24 General Education requirement credits.

Additional Program Information: All students are required to complete 96 face-to-face clinical hours in both Community Health Nursing Practicum (NUR4636L) and Nursing Capstone Practicum (NUR4945L). The End of Life course (NUR4195C) is a combined lecture and lab course which includes 48 lab/clinical hours completed with simulation and clinical observation.

Academic Service-Learning is a requirement of the RN-BSN Program and is included in ten (10) lecture courses. Completion of a Professional Portfolio is a graduation requirement.

The RN-BSN Program is accredited by the Accreditation Commission for Education in Nursing (ACEN).

Foreign Language Requirement: Students must successfully complete the foreign language requirement as prescribed in college policy and the college catalog.

Location: General Education courses can be taken at any college location. The program is based and taught at the A. Hugh Adams Central Campus. Please consult the course schedule for specific semester locations.

Contact information: Program contact information can be found at www.broward.edu/academics/programs/nursing/Pages/default.aspx

Related Programs at Broward College:
Nursing (Generic-RN) Associate of Science (2127)
LPN-RN Transition Associate of Science (21271)

General Education Credit Hours		**18**
Communications		3
Mathematics		3
Social/Behavioral Science		3
Humanities		3
Biological/Physical Science		3
Biological/Physical Science Lab		1
Wellness		2
Core Requirements Credit Hours		**39**
NUR4128	Patho-Pharmacology	3
NUR3805	Nursing Roles, Dimensions, & Perspectives	3
NUR3069	Advanced Health Assessment	2
NUR3069L	Advanced Health Assessment Lab	1
NUR3119	Nursing Concepts & Theories	3
NUR3167	Nursing as Scholar	3
NUR4165	Nursing Research	3
NUR4667	Nursing Perspectives & Global Trends	3
NUR4636	Community Health Nursing	3
NUR4636L	Community Health Nursing Practicum	2
NUR4827	Principles in Nursing Leadership & Management	3
NUR4945	Nursing Capstone	2
NUR4945L	Nursing Capstone Practicum	2
Nursing Elective*		3
Nursing Elective*		3
Total Program Credit Hours		**57**

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

*Electives – students must select from the following elective courses: NUR4826, NUR4870, NUR4195C, NUR3678, NUR4284. The courses are offered in sequence and all courses must be completed with a grade of "C" or better to proceed to the next course.
General Education Courses will vary based on a student's transcript.

Students are required to meet with an RN-BSN advisor three times during their program to create and update their individual educational plan (IEP).

Associate of Science Aviation Administration - 2509

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the Judson A. Samuels South Campus and the Miramar Town Center.

Program Entrance Requirements: HS Diploma or GED. TSA background check may apply for those seeking airport internships.

Program Description: This program offers four specializations: aviation business, airport management, air traffic control, and commercial pilot (for VA students). The Air Traffic courses are approved through the FAA's Collegiate Training Initiative (CTI) program. Visit the program's website for more information.

Build Your Education

Recommended Course Sequence

Aviation Administration has four specialization options. Select one of the following options:

Option 1) Aviation Administration – Business Specialization

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	ENC1101	Composition I	3	
		ASC1010	Aviation History	3	
	Term 2	ATT1100	Aeronautical Science	3	
		ASC1100	Navigational Science I	3	
Term 2	Term 3	MAC1105	College Algebra (recommended)	3	
		ACG2001	Principles of Accounting I	3	X
	Term 4	ENC2210	Technical Report Writing	3	
		STA2023	Elementary Statistics	3	
Term 3	Term 5	ACG2011	Principles of Accounting II	3	X
		ECO2013	Principles of Economics (recommended)	3	
Term 4	Term 6	EVR1001	Introduction to Environment Science (recommended)	3	
		ECO2023	Principles of Economics II	3	
	Term 7	SPC1024	Introduction to Speech Communications	3	X
		Electives*	Elective Course- (CGS1060C)	3	TC1
Term 5	Term 8	ASC2320	Aviation Law & Regulations	3	
		AVM1440	Airport/Airline Security	3	
	Term 9	ASC2870	Aviation Safety	3	
		PHI2600	Introduction to Philosophy (recommended)	3	
Term 6	Term 10	Electives*	Elective Course	3	
		BUL2241	Business Law	3	
Total Program Credit Hours				*60*	12

Option 2) Air Traffic Control Specialization

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	ENC1101	Composition I	3	
		ASC1010	Aviation History	3	
	Term 2	ATT2820	Introduction to Air Traffic Control	3	
		ATT1100	Aeronautical Science	3	
		ASC1100	Navigational Science I	3	
Term 2	Term 3	ATT2822C	Tower Operations	4	
		MAC1105	College Algebra (recommended)	3	
	Term 4	AVM2410	Airport Management	3	X
		AVM1440	Airport/Airline Security	3	X
Term 3	Term 5	EVR1001	Introduction to Environment Science (recommended)	3	
		SPC1024	Introduction to Speech Communications	3	
Term 4	Term 6	ATT2821C	Radar Operations	4	
		Electives*	Elective Course- (AVM2450)	3	X
	Term 7	ASC2320	Aviation Law & Regulations	3	X
		ASC2870	Aviation Safety	3	X
Term 5	Term 8	PHI2600	Introduction to Philosophy (recommended)	3	
		ECO2013	Principles of Economics (recommended)	3	
	Term 9	Electives*	Elective Course- (recommended GEB2430 and need to insert 2 credit class here)	3	TC2
		ATT2824C	Enroute Operations	4	
Total Program Credit Hours				***60***	16

Option 3) Airport Operations Management Specialization

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	ENC1101	Composition I	3	
		MAC1105	College Algebra (recommended)	3	
		AVM2301	General Aviation Marketing & Management	3	
	Term 2	ATT1100	Aeronautical Science	3	
		ASC1100	Navigational Science I	3	
Term 2	Term 3	Electives*	Elective Course – (recommended GEB2430 and need to insert a 2 credit class here)	3	X
		AVM2410	Airport Management	3	X
		AVM2510	Airline Management	3	
	Term 4	EVR1001	Introduction to Environment Science (recommended)	3	
		AVM2450	Airport Planning and Design	3	X
Term 3	Term 5	SPC1024	Introduction to Speech Communications	3	
		ASC1010	Aviation History	3	
Term 4	Term 6	AVM1940	Internship I	3	
		ASC2320	Aviation Law & Regulations	3	X
	Term 7	AVM1440	Airport/Airline Security	3	X
		PHI2600	Introduction to Philosophy (recommended)	3	
Term 5	Term 8	ECO2013	Principles of Economics (recommended)	3	
		ASC2870	Aviation Safety	3	TC2
	Term 9	Electives*	Elective Course	3	
		AVM2941	Internship II	3	
Total Program Credit Hours				***60***	16

Option 4) Commercial Pilot Specialization

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	ENC1101	Composition I	3	
		ASC1010	Aviation History	3	
	Term 2	ATT1100	Aeronautical Science	3	X
		ASC1100	Navigational Science I	3	X
Term 2	Term 3	MAC1105	College Algebra (recommended)	3	
		ATF2305	Commercial Flight I†	3	
	Term 4	ASC2110	Navigational Science II	3	X
		ATT2110	Commercial Flight Theory	3	X
Term 3	Term 5	ATT2120	Instrument Flight Theory	3	X
		ECO2013	Principles of Economics (recommended)	3	
Term 4	Term 6	EVR1001	Introduction to Environment Science (recommended)	3	
		ATF2204	Commercial Flight II	3	
	Term 7	SPC1024	Introduction to Speech Communications	3	
		Electives*	Elective Course- (ASC1210)	3	X
Term 5	Term 8	ASC2320	Aviation Law & Regulations	3	
		AVM1440	Airport/Airline Security	3	
	Term 9	ASC2870	Aviation Safety	3	X
		PHI2600	Introduction to Philosophy (recommended)	3	
Term 6	Term 10	Electives*	Elective Course- (ASC1610)	3	TC3
		ATF2205	Commercial Flight III	3	
Total Program Credit Hours				***60***	24

Notes: *Technical Electives - Students may have to take MAT1033 or STA1001 based on placement score. Students are also required to meet the college's Computer Competency Requirement. This requirement can be met by passing the Computer Competency test or by taking CGS1060C. If a course or two is need to meet the technical elective credit requirement, students my take a course from the following list: ACG2071, GEB2430, or any ATT, AVM, or ASC course. Students choosing the Commercial Pilot Specialization may also choose AFT2600 and/or ATF2500 if they do not wish to earn the Commercial Flight Operations Technical Certificate.

†Students must hold a Private Pilot Certificate issued by the Federal Aviation Administration in order to enroll in ATF2305-Commercial Flight I. Please bring your certificate to your advisor for filing.

-Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Avionics Technical Certificate – 6354

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): Program specific courses for this program are offered at the Judson A. Samuels South Campus.

Program Description: Broward College's Aviation Institute is proud to offer a 30-credit certificate program in Avionics. State-of-the-art NIDA electronics training equipment is utilized for this program. FCC General Radiotelephone Operator (GROL) license and NCATT Aircraft Electronics Technician (AET) testing is available on site. Avionics systems' testing and troubleshooting is accomplished utilizing Boeing 727 aircraft.

Avionics systems are an integral part of aircraft design and have vastly increased aircraft capability. As a result, the growing use of technology in aviation is requiring technicians to spend more time on repairing electronic systems, such as computerized controls. The course content includes, but is not limited to, troubleshooting, repair and installation of airborne radio communications, radio navigation and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basic AM and FM transmitters/receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum. Visit the program's website for additional information.

Program Entrance Requirements: HS Diploma or GED.

Build Your Education

Recommended Course Sequence

Full Time	Course ID	Description	Credits
Term 1	EET1084C	Introduction to Electronics	3
	CET1114C	Digital Techniques	3
	EET1015C	DC Circuits	3
	EET1025C	AC Circuits	3
	EET1141C	Linear Techniques	3
Term 2	EET2326C	Electronic Communications	3
	AMT1231C	Avionics Installation and Troubleshooting I	3
	AMT1261C	Avionics Maintenance Fundamentals	3
	AMT2231C	Avionics Installation and Troubleshooting II	3
	AMT2261C	Avionics Line Maintenance Operations	4
		Total Program Credits	***31***

***Notes:** Many courses have pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. All courses require a "C" or higher.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Building Construction Technology - 2184

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the Willis Holcombe Center in Downtown Fort Lauderdale.

Program Entrance Requirements: HS Diploma or GED.

Program Description: The Building Construction Technology Program, offered at the Willis Holcombe Center (Downtown), prepares students for employment in the construction industry as superintendents, project managers, and assistant: building inspectors, estimators, plan examiners, and schedulers. The courses emphasize fundamentals and techniques of building construction management. Visit the program's website for more information.

Build Your Education

Construction Specialist (TC1) 6315 → **Building Construction Technology - 2184** → **Bachelor of Applied Science**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	BCN1272	Building Construction Plans Interpretation	2	X
		ARC2461	Materials & Methods of Construction	4	X
	Term 2	ENC1101	Composition 1	3	
		BCN2560	Mechanical & Electrical Systems	3	X
Term 2	Term 3	MAC1105	College Algebra	3	
		BCT2760	Building Codes & Regulations	3	X
	Term 4	BCT1770	Construction Estimating I	2	X
		BCT1767	OSHA Standards	2	X
		BCT2040	MEP Plans Interpretation	2	TC1
Term 3	Term 5	CGS1060C	Computer & Internet Literacy	3	
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3	
Term 4	Term 6	BCT2710	Infrastructure Coordination	2	
		BCT1706	Construction Documents	2	
		BCT1743	Construction Law	2	
	Term 7	ARH2051 or PHI1100 or PHI2600	Art History: Renaissance to Modern or Introductory Logic or Introduction to Ethics	3	
		GRA2403	Project Management	3	
Term 5	Term 8	BCT2720C	Construction Scheduling	3	
		BCT2941L	Building Construction Field Experience	3	
	Term 9	BCN2614C	Construction Estimating II	3	
		GLY1010 or PHY1001	Physical Geology or Applied Physics	3	
Term 6	Term 10	BCN2721C	Construction Planning & Cost Control	3	
		ECO2013 or GEO2370 or POS2112	Principles of Macroeconomics or Conservation of Natural Resources or State & Local Government	3	
Total Program Credit Hours				60	18

Notes:** The student's eligible for Federal Financial Aid for the MAT1033/STA1001 course may be limited. - Many courses have specific pre-requisite and co-requisite requirements that must be followed.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Aviation Maintenance Management - 2204

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the Judson A. Samuels South Campus and Aviation Annex located on Pembroke Road.

Program Entrance Requirements: HS Diploma or GED.

Program Description: The Aviation Maintenance Management Associate of Science degree provides students with the academic skills to complement their technical training. The plan of study complies with the Federal Aviation Regulations Part 147 for an approved aviation maintenance technician's school, and, in addition, offers the advantages of college level academic and management courses. Students seeking an Associate of Science degree in Aviation Maintenance Management must complete the general requirements for both the Airframe Mechanics and Power Plant Mechanics diplomas and/or possess a valid FAA Airframe & Powerplant certificate. Visit program's website for more information

Build Your Education

Aircraft Airframe Mechanics PSAV 5272 → Aircraft Powerplant Mechanics PSAV 5273 → Aviation Maintenance Management AS 2204 → Bachelor of Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		GE Course	General Education Mathematics	3
	Term 2	GE Course	General Education Humanities	3
		GE Course	General Education Social Science	3
Term 2	Term 3	GE Course	General Education Science	3
		SPC1024 or SPC1608	Intro to Speech Communications or Public Speaking	3
	Term 4	CGS1060C or ASC1010 or ATT1100	Computers and Internet Literacy or History of Aviation or Aeronautical Science	3
		Elective*	Elective Course	1
		Elective*	Elective Course	1
Inter-institutional Articulation Agreement		PSAV FAA Powerplant & Airframe (Program IDs 5272 and 5273)		60
Total Program Credit Hours				83

Notes: *Student may have to take MAT1033 or STA1001 based on placement score. The student's eligibility for Federal Financial Aid for the MAT1033/STA1001 course may be limited. Elective select from the following courses: GEB2430, OST1330, OST2053, or BCT1767. Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Engineering Technology – 2207

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General education courses are available at all BC locations. Program-specific courses for this program are offered at the North Campus and Judson A. Samuels South Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: The purpose of this program is to prepare students for employment or provide additional training for persons previously or currently employed in the manufacturing, medical, electronics, aerospace, or other related industries. This degree is a planned sequence of instruction common core. It is recommended that students complete the core before advancing to the courses in the next level of specialization. The coverage includes communication skills, technical competency, safe and efficient work practices and a combination of theory and laboratory activities to gain the necessary cognitive and manipulative skills to support engineering design, processes, production, testing, and product quality. Visit the program's website for additional information.

Build Your Education

CNC Machinist (TC1) 6349 → Engineering Tech Support Specialist (TC2) 6314 → Electronic Aide (TC3) 6322 Options B&C → Alternative Energy Sys. Specialist (TC4) 6325 - Option C → Engineering Technology AS 2207 → Bachelor of Applied Science

Recommended Course Sequence – Biomedical Specialization

Full Time	Part Time	Course ID	Description	Credits	TC2
Term 1	Term 1	ENC1101	Composition I	3	
		EET1084C	Introduction to Electronics	3	X
	Term 2	ETD1320	Basic Introduction to CAD	3	X
		ETI1110C	Intro to Quality Assurance	3	X
Term 2	Term 3	ETI1420	Process and Materials	3	X
		ETI1701	Safety	3	X
	Term 4	ETM1010C	Measurement and Instrumentation	3	TC2
		EET1015C	DC Circuits	3	
Term 3	Term 5	CET1114C	Digital Techniques	3	
		GE Course	General Education Mathematics	3	
Term 4	Term 6	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3	
		PHY1001	Applied Physics I	3	
	Term 7	EET1025C	AC Circuits	3	
		EET1141C	Linear Techniques I	3	
Term 5	Term 8	HSC1531	Medical Terminology	3	
		CET1117C	Microprocessors I	3	
	Term 9	GE Course	General Education Social Science	3	
		GE Course	General Education Humanities	3	
Term 6	Term 10	ETS2436C	Biomedical Instrumentation	3	
		ETS2940	Biomedical Engineering Technology Internship	3	
Total Program Credit Hours				60	18

Recommended Couse Sequence – Electronics Specialization

Full Time	Part Time	Course ID	Description	Credits	TC2	TC3
Term 1	Term 1	ENC1101	Composition I	3		
		EET1084C	Introduction to Electronics	3	X	
	Term 2	ETD1320	Basic Introduction to CAD	3	X	
		ETI1110C	Intro to Quality Assurance	3	X	
Term 2	Term 3	ETI1420	Process and Materials	3	X	
		ETI1701	Safety	3	X	
	Term 4	ETM1010C	Measurement and Instrumentation	3	TC2	
		EET1015C	DC Circuits	3		O
Term 3	Term 5	CET1114C	Digital Techniques	3		
		GE Course	General Education Mathematics	3		
Term 4	Term 6	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3		
		PHY1001	Applied Physics I	3		
	Term 7	EET1025C	AC Circuits	3		O
		EET1141C	Linear Techniques I	3		O
Term 5	Term 8	GE Course	General Education Humanities	3		
		CET1117C	Microprocessors I	3		
	Term 9	EET2142C	Linear Techniques II	3		
		GE Course	General Education Social Science	3		
Term 6	Term 10	EET2326C	Electronic Communications	3		
		ETS2542C	Programmable Logic Controllers (L)	3		TC3
Total Program Credit Hours				60	18	12

Recommended Course Sequence – Alternative Energy

Full Time	Part Time	Course ID	Description	Credits	TC2	TC4
Term 1	Term 1	ENC1101	Composition I	3		
		EET1084C	Introduction to Electronics	3	X	O
	Term 2	ETD1320	Basic Introduction to CAD	3	X	
		ETI1110C	Intro to Quality Assurance	3	X	O
Term 2	Term 3	ETI1420	Process and Materials	3	X	
		ETI1701	Safety	3	X	O
	Term 4	ETM1010C	Measurement and Instrumentation	3	TC2	
		EET1015C	DC Circuits	3		
Term 3	Term 5	CET1114C	Digital Techniques	3		O
		GE Course	General Education Mathematics	3		
Term 4	Term 6	SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3		
		PHY1001	Applied Physics I	3		
	Term 7	EET1025C	AC Circuits	3		
		EET1141C	Linear Techniques I	3		
Term 5	Term 8	ETP2402C	Introduction to Solar Photovoltaic (PV) Systems	3		O
		CET1117C	Microprocessors I	3		
	Term 9	GE Course	General Education Humanities	3		
		GE Course	General Education Social Science	3		
Term 6	Term 10	ETP2410C	Installation of Solar Photovoltaic (PV) Systems	3		TC4
		ETS2542C	Programmable Logic Controllers (L)	3		

Total Program Credit Hours	60	18	18

Recommended Course Sequence – CNC Machining Specialization

Full Time	Part Time	Course ID	Description	Credits	TC2	TC1
Term 1	Term 1	ENC1101	Composition I	3		
		EET1084C	Introduction to Electronics	3	X	
	Term 2	ETD1320	Basic Introduction to CAD	3	X	
		ETI1110C	Intro to Quality Assurance	3	X	
Term 2	Term 3	ETI1420	Process and Materials	3	X	
		ETI1701	Safety	3	X	O
	Term 4	ETM1010C	Measurement and Instrumentation	3	TC2	
		EET1015C	DC Circuits	3		
Term 3	Term 5	CET1114C	Digital Techniques	3		
		GE Course	General Education Mathematics	3		
Term 4	Term 6	PMT1203C	Introduction to Machining	3		O
		PHY1001	Applied Physics I	3		
	Term 7	EET1025C	AC Circuits	3		
		EET1141C	Linear Techniques I	3		
Term 5	Term 8	PMT2213C	Advanced Machining I	3		O
		CET1117C	Microprocessors I	3		
	Term 9	GE Course	General Education Humanities	3		
		GE Course	General Education Social Science	3		
Term 6	Term 10	PMT2214C	Advance Machining II	3		TC1
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3		
Total Program Credit Hours				60	18	12

Notes: *Student may have to take MAT1033 or STA1001 based on placement score. The student's eligible for Federal Financial Aid for the MAT1033/STA1001 course may be limited. Students who complete the AS in Engineering Technology program will successfully meet the college's Computer Competency requirement.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Industrial Management Technology - 2194

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General education courses are available at all BC locations.

Program Entrance Requirements: HS Diploma or GE.

Program Description: This program provides students, who have obtained competency in a variety of fields, an opportunity to pursue college level education that is appropriate for management roles and upward mobility in their respective fields. Visit the program's website for additional information.

Additional Program Information: This program is part of an Articulation Agreement with the local Technical Colleges. Upon successful completion of the specific programs available at the Technical Colleges, students will be eligible for 27 credits toward the Associate of Science in Industrial Management Technology program. More information about the Articulation Agreement can be found online.

Build Your Education

Technical College Program → Industrial Management Technology AS 2194 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3
	Term 2	GE Course	General Education Mathematics	3
		MAN2021	Introduction to Management	3
	Term 3	MNA1161	Introduction to Customer	3
Term 2		Elective**	Elective Course	3
	Term 4	GE Course	General Education Social Science	3
		GE Course	General Education Humanities	3
	Term 5	ENC2210 or MKA1021	Professional & Technical Writing Professional and Technical or Salesmanship	3
		MNA2345	Principles of Supervision	3
Term 3	Term 6	GE Course	General Education Biological/Physical Science	3
Articulated Credits		MNA1949***	Industrial Technical Practicum 27	27
Total Credits				60

Notes: *Students are required to meet the college's Computer Competency Requirement. This requirement can be met by passing the Computer Competency test. However, if a student is unable to pass the test, they will be required to take CGS1060C. The student's eligible for Federal Financial Aid for the CGS1060C course may be limited.

**Program elective: Student may have to take MAT1033 or STA1001 based on placement score. If the student is not required to take MAT1033 or STA1001, take an elective from the list provided - MNA2905, MAR1011, or OST2335.

***These credits are awarded based on an established Articulation Agreement. The credits are awarded when the student has provided documentation of successful completion of one of the specific identified program at a partnering Technical College.

- Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Professional Pilot Technology - 2107

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General Education courses are offered at all BC locations. Program specific courses for this program are offered at the Emil Buehler Aviation Institute on the Judson A. Samuels South Campus.

Program Entrance Requirements: HS Diploma or GE. TSA background check may apply for an additional cost. **This program is not eligible for VA funding**. VA students should consider Program ID 2509.

Program Description: This program offers the knowledge and skills required to become a FAA certificated professional pilot. Pilot ground school and flight courses are offered through Part 141 FAA approved curriculum. The college is certified as a FAA Air Agency under Federal Aviation Regulations Part 141 to offer pilot ground school. The college partners with an onsite contracted flight training provider for flight courses. Visit the program's website for additional information.

Building your Education

Commercial Flight Operation (TC1) 6321 → **Professional Pilot Technology AS 2107** → **Bachelor of Science**

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	ENC1101	Composition I	3	
		ASC1100	Navigation Science I	3	X
	Term 2	ATT1100	Aeronautical Science	3	X
		ATF1100	Primary Flight	3	
Term 2	Term 3	ASC1010	Aviation History	3	
		ASC1210	Aviation Weather	3	X
	Term 4	ASC2110	Navigational Science II	3	X
		ATT2120	Instrument Flight Theory	3	X
Term 3	Term 5	GE Course*	General Education Mathematics	3	
		ATF2305	Commercial Flight I	3	
		ATF2600	Flight Simulator Training	1	
Term 4	Term 6	ATF2204	Commercial Flight II	3	
		ATT2110	Commercial Flight Theory	3	X
	Term 7	ASC1610	Aircraft Engines, Structures, and Systems	3	X
		CGS1060C or Elective*	Computer and Internet Literacy or Elective Course	3	
Term 5	Term 8	ATF2205	Commercial Flight III	3	
		ASC2870	Aviation Safety	3	TC1
	Term 9	PHY1001	Applied Physics	3	
		SPC1024 or SPC1608	Introduction to Speech or Introduction to Public Speaking	3	
Term 6	Term 10	GE Course	General Education Social Science	3	
		GE Course	General Education Humanities	3	
		Elective*	Elective Course	3	
			Total Program Credit Hours	64	

Notes: * Student may be required to take MAT1033 based on placement. If the student does not need MAT1033, then the student must take one of the following technical courses: AVM1440, ATF2400, AVM2410, ATF2630, ASC1550, ATF2500, AVM2450, ATF2600, ASC2320, AVM2510, and AVM2301. **Flight training costs are extra.**

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Supply Chain Management Operations- 2205

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General education courses for this program are offered at all BC locations. The Supply Chain Management Operations (TRA) courses are offered at the Judson A. Samuels South Campus, the Miramar West Center and online.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Supply Chain Management Operations (formally known as Global Trade and Logistics) prepares students for initial employment with the basic and cross-functional skills necessary for working in areas such as planning, procurement, flow and distribution of goods and services. Visit the program's website for more information.

Build Your Education

Logistics & Transportation Specialist (TC 1) 6308 → *Supply Chain Management Operation AS 2205* → *Bachelor of Applied Science - Supply Chain Management*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1
Term 1	Term 1	*ENC1101*	*Composition I*	*3*	
		TRA1010	*Transportation and Logistics*	*3*	X
	Term 2	*CGS1060C*	*Computer and Internet Literacy*	*3*	
		*Elective***	*Elective Course*	*3*	
Term 2	Term 3	*TRA1154*	*Supply Chain Management*	*3*	X
		FIN2051	*Finance of International Trade*	*3*	X
	Term 4	*STA2023*	*Statistics*	3	
		TRA2098	*Warehouse Management*	*3*	X
Term 3	*Term 5*	*SPC1024 or SPC1608*	*Introduction to Speech Communications or Introduction to Public Speaking*	*3*	
		MAN2021	*Introduction to Management*	*3*	X
Term 4	Term 6	*ACG2001*	*Principles of Accounting I*	3	
		ECO2013	*Principles of Macroeconomics*	3	
	Term 7	*BUL2241*	*Business Law I*	3	TC1
		CGS1510C	*Electronic Spreadsheet*	3	
Term 5	*Term 8*	*ACG2011*	*Principles of Accounting II*	3	
		ECO2023	*Microeconomics*	3	
	Term 9	*MAR2141*	*International Marketing*	3	
		PHI2600	*Introduction to Ethics*	3	
Term 6	*Term 10*	*EVR1001*	*Environmental Science*	3	
		MAN2542	*Supply Chain Modeling*	*3*	
Total Program Credit Hours				**60**	

Notes: *It is recommended that students take the EVR1001, Environmental Science course to meet the General Education Science requirement. **Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take one of the following Business electives - ACG2071, MAN2604, or GEB2955. Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Applied Science in Automotive Service Management Technology - A004

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General Education courses are offered at all BC locations. Program specific courses for this program are offered at the Judson A. Samuels South Campus.

Program Entrance Requirements: HS Diploma or GED. Students must also possess and maintain a valid and unrestricted driver's license in order to participate in Co-op courses.

Program Description: This Automotive Service Management Technology program is designed to prepare entry-level automotive technicians and to provide academic background for advancement to management positions in the automotive service industry. Visit the program's website for additional information.

Additional Program Information: In order to graduate with the Automotive Service Management Technology AAS degree students must complete the prescribed coursework, earn a "C" or better in all courses, maintain an overall GPA of 2.5, and earn a passing score on two of the ASE industry standard certification tests (A1-A8).

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	English Composition I	3		
		AER1081C	Introduction to Automotive Technology	4	X	X
	Term 2	AER1698C	Electrical Systems	4	X	X
		AER1695C	Electronics	4	X	X
Term 2	Term 3	GE Course	General Education Mathematics/Science	3		
		AER1198C	Engine Repair	4		X
	Term 4	AER2598C	Brake Systems	4	X	X
		AER2498C	Steering and Suspension	4	X	X
Term 3	Term 5	SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
		GE Course	General Education Humanities	3		
Term 4	Term 6	AER2758C	Heating and Air Conditioning Theory	4	TC1	X
		AER2398C	Manual Drive Transmissions and Axles	4		X
	Term 7	AER2298C	Automatic Transmissions	4		X
Term 5		AER2898C	Engine Performance	4		X
	Term 8	AER2895C	Advanced Engine Performance	4		TC2
		AER2949	Cooperative Education	3		
	Term 9	Elective	Automotive Elective*	3		
Term 6		AER2949	Cooperative Education	3		
	Term 10	GE Course	General Education Social/Behavioral Science	3		
Total Program Credit Hours				68	24	44

Notes:*Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take an Automotive elective – MNA2345, AER2070 or MNA1161 course.
Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Applied Science in Automotive Technology, Dealer Specific - A037

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General Education courses are offered at all BC locations. Program specific courses for this program are offered at the Sheridan Technical College.

Program Entrance Requirements: HS Diploma or GED. Students must also possess and maintain a valid and unrestricted driver's license in order to participate in Co-op courses.

Program Description: This Automotive Technology program is designed to prepare entry-level automotive technicians and to provide academic background for advancement to management positions in the automotive service industry. Visit the program's website for additional information.

Additional Program Information: Automotive Technology Programs sponsored by Automobile Manufacturers are limited enrollment programs and require an internship at a dealership. To graduate with the AAS degree students must complete the prescribed coursework, earn a "C" or better in all courses, maintain an overall GPA of 2.5, and earn a passing score on two of the ASE industry standard certification tests (A1-A8).

Building your Education

Dealer Service Technician (TC1) 6352 → Dealer Line Technician (TC2) 6351 → Dealer Specific Automotive Tech AAS A037 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term1	ENC1101	English Composition I	3		
		AER1082C	Introduction to GM Automotive Technology	4	X	X
	Term 2	AER1197C	GM Engine Repair	4	X	X
		AER2951	GM Internship I	3	X	X
Term 2	Term 3	GE Course	General Education Mathematics/Science	3		
		AER1694C	GM Electronics	4	X	X
	Term 4	AER1690C	GM Electrical Systems	4	X	X
		AER2952	GM Internship II	3		X
Term 3	Term 5	AER1496C	GM Steering and Suspension	4	X	X
		AER1594C	GM Brake Systems	4	TC1	X
Term 4	Term 6	AER2896C	GM Engine Performance	4		X
		AER2798C	GM Heating and Air Conditioning Theory	4		X
	Term 7	GE Course	General Education Social Science	3		
		AER2953	GM Internship III	3		X
Term 5	Term 8	AER1396C	GM Manual Drive Train and Axles	4		X
		AER2899C	GM Advanced Engine Performance	4		X
	Term 9	GE Course	General Education Humanities	3		
		AER2954	GM Internship IV	3		
Term 6	Term 10	AER2291C	GM Automatic Transmissions	4		TC2
		Elective*	Elective Course	3		
		GE Course	General Education Speech Communications	3		
Total Program Credit Hours				74	27	53

*Program electives – Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take an automotive elective – MNA2345, AER2070 or MNA1161 course.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Applied Science in Marine Engineering Management - A040

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General Education courses are offered at all BC locations. Program-specific courses for this program are offered at the Judson A. Samuels South Campus.

Program Entrance Requirements: HS Diploma or GED. Students must also possess and maintain a valid and unrestricted driver's license in order to participate in Co-op courses.

Program Description: The Marine Engineering Management degree is designed to prepare students interested in a career in the large yacht maintenance, repair, and retrofit industry. Broward County is the world leader in the yacht industry and is in need of qualified technicians to work on yachts with diesel engines and sophisticated sustainable systems. Completers of the program may be employed in ship yards working on multi-million dollar vessels and the latest technology in marine equipment. The career may also include the option of being part of the on-board crew and traveling around the world. Career advancement in management is a probable progression in the field.

Build your Education

Marine Electrician (TC1) 6327 → Marine Propulsion (TC2) 6328 → Marine Technology (TC3) 6306 → Marine Systems (TC4) 6342 → Marine Engineering Management AAS A040 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2	TC3	TC4
Term 1	Term 1	ENC1101	English Composition I	3				
		MTE1004C	Introduction to Marine Technology	3	X	X	X	X
		MTE1400C	Marine Electricity	3	X	X	X	X
	Term 2	MTE2420C	Advanced Electrical Systems	3	X	X	X	X
		MTE2490C	Marine Electronics	3	TC1	X	X	X
Term 2	Term 3	MTE1040C	Marine Diesel 1	3		X	X	
		MTE2041C	Marine Diesel 2	3		X	X	
	Term 4	MTE1073C	Gasoline Engine Diagnostics and Repair	3		X	X	
		MTE2234C	Inboard/Outboard Saildrive & Transmission	3		TC2	X	
Term 3	Term 5	MTE2541C	Marine Auxiliary Equipment	3				
		MTE1543	Marine Auxiliary II	3			X	X
Term 4	Term 6	MTE1062C	Marine Corrosion & Prevention	3			X	X
		MTE1312C	Advanced Marine Composites	3				X
	Term 7	Elective*	Elective Course	3				
		GE Course	Mathematics/Natural Science	3				
Term 5	Term 8	MTE1651C	Basic Welding	4			TC3	TC4
		Electives*	Electives	3				
	Term 9	GE Course	Humanities	3				
		SPC1024 or SPC1608	Introduction to Speech Communications or Introduction to Public Speaking	3				
Term 6	Term 10	MTE2949	Internship	2				
		GE Course	Social Science	3				
	Term 11	Electives*	Electives	3				
Total Program Credit Hours				66	12	18	34	24

Notes: *Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need MAT1033 or STA1001, the student must take three of the following electives – MAN2021, MKA1021, GEB1011, MAR1011, MNA1161, MNA2345, OST2335 course. **Student may take MTE1543 to replace MTE1018C

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

FAA Aircraft Airframe Mechanics Post-Secondary Adult Vocational Certificate - 5272

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General Education courses are offered at all BC locations. Program specific courses for this program are offered at the Judson A. Samuels South Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Emil Buehler Aviation Institute links Broward College's (BC) South Campus with North Perry Airport in Pembroke Pines. It's the only public facility in South Florida with direct access to an airport dedicated to the training of aviation professionals. Since 1966 our aviation school has been preparing students for careers in: Professional Pilot Technology, Aviation Maintenance Management, Aviation Operations, Airport Operations Management, and Air Traffic Control. The Aviation Institute also provides hands-on training to prepare students in the competitive field of aviation maintenance. It provides FAA-approved certificate programs in Airframe Mechanic and Powerplant Mechanic, and also offers FCC and NCATT approved Avionics Technician certifications. Visit the program's website for additional information.

Additional Program Information: Completion of the program is contingent upon student being exempt from, or passing, the Test of Adult Basic Education (TABE) in math, reading and language. These courses are offered in 450 hour blocks.

Build Your Education

FAA Aircraft Airframe Mechanics PSAV 5272 → Aviation Maintenance Management AS 2204 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Course ID	Description	Hours
Term 1	AMT0070C	Applied Mathematics	21
	SLS0052	Aviation Career Exploration	50
	AMT0090C	Basic Physics	26.25
	AMT0010C	Aircraft Drawings	21
	AMT0050C	Ground Operations and Servicing	31.5
	AMT0040C	Materials and Processes	84
	AMT0030C	Fluid Lines and Fittings	26.25
	AMT0081C	FARs, Forms, Privilege	42
	AMT0020C	Weight and Balance	32.5
	AMT0060C	Corrosion Control	26.25
	AMT0091C	Basic Electricity	89.25
Term 2	AMT0130C	Sheet Metal and Non-Metallic	157
	AMT0940	Practicum	50
	AMT0110C	Wood Structures	11
	AMT0115C	Aircraft Covering	12
	AMT0120C	Aircraft Finishes	30
	AMT0140C	Welding	40
	AMT0155C	Assembly and Rigging	65
	AMT0200C	Landing Gear Systems	85
Term 3	AMT0160C	Airframe Inspection	20
	AMT0940	Practicum	50
	AMT0210C	Hydraulic Pneumatics Systems	75
	AMT0220C	Cabin Atmosphere Control Systems	50
	AMT0230C	Aircraft Instrument Systems	25
	AMT0240C	Comm. / Nav. Systems	30
	AMT0250C	Aircraft Fuel Systems	40
	AMT0260C	Aircraft Electrical Systems	100
	AMT0270C	Position and Warning	30
	AMT0285C	Ice, Rain and Fire Protection	30
		Total Program Hours	1350

Notes: - Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

FAA Aircraft Power Plant Mechanics Post-Secondary Adult Vocational Certificate - 5273

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Location(s): General Education courses are offered at all BC locations. Program specific courses for this program are offered at the Judson A. Samuels South Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Emil Buehler Aviation Institute links Broward College's (BC) South Campus with North Perry Airport in Pembroke Pines. It's the only public facility in South Florida with direct access to an airport dedicated to the training of aviation professionals. Since 1966 our aviation school has been preparing students for careers in: Professional Pilot Technology, Aviation Maintenance Management, Aviation Operations, Airport Operations Management, and Air Traffic Control. The Aviation Institute also provides hands-on training to prepare students in the competitive field of aviation maintenance. It provides FAA-approved certificate programs in Airframe Mechanic and Powerplant Mechanic, and also offers FCC and NCATT approved Avionics Technician certifications. Visit the program's website for additional information.

Additional Program Information: Completion of the program is contingent upon student being exempt from, or passing, the Test of Adult Basic Education (TABE) in math, reading and language. These courses are offered in 450 hour blocks.

Building Your Education

FAA Aircraft Power Plant Mechanics 5273 → Aviation Maintenance Management AS 2204 → Bachelor of Applied Science

Recommended Course Sequence

Full Time	Course ID	Description	Hours
Term 1	AMT0070C	Applied Mathematics	21
	SLS0052	Aviation Career Exploration	50
	AMT0090C	Basic Physics	26.25
	AMT0010C	Aircraft Drawings	21
	AMT0050C	Ground Operations and Servicing	31.5
	AMT0040C	Materials and Processes	84
	AMT0030C	Fluid Lines and Fittings	26.25
	AMT0081C	FARs, Forms, Privilege	42
	AMT0020C	Weight and Balance	32.5
	AMT0060C	Corrosion Control	26.25
	AMT0091C	Basic Electricity	89.25
Term 2	AMT0300C	Reciprocating Engines	152.25
	AMT0940	Practicum	50
	AMT0312C	Turbine Engines	147
	AMT0400C	Engine Instrument Systems	31.5
	AMT0420C	Engine Electrical and APUs	69.25
Term 3	AMT0460C	Induction Systems	26.25
	AMT0940	Practicum	50
	AMT0450C	Engine Fuel Systems	21
	AMT0451C	Fuel Metering Systems	63
	AMT0440C	Ignition Systems	84
	AMT0435C	Lubrication Systems	42
	AMT0475C	Engine Cooling and Exhaust Systems	26.25
	AMT0410C	Engine Fire Protection	15.75
	AMT0490C	Propellers and Unducted Fans	89.25
	AMT0320C	Engine Inspection	32.5
Total Program Hours			1350

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Bachelor of Science in Aerospace Sciences
Program Code S800

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)
Location(s): Program specific courses for this program are offered at the Judson A. Samuels South Campus.

Program Description: The Bachelor of Science (B.S.) in Aerospace Sciences degree is designed specifically for those students with a desire to work in various aviation-related careers. The program introduces students who are new to aviation to a wide-ranging sampling of the various sectors, but also allows students with a more focused approach the opportunity to concentrate on a particular area of interest. This program is intended to prepare graduates for a variety of supervisory, management, and leadership positions within the growing aviation industry at airlines, airports, aircraft maintenance, and repair and overhaul companies, etc. It is also designed to give current workers in the field advanced education to make them more competitive for promotion opportunities.

Students select from one of two tracks: Professional Pilot track or Aerospace Management track.

Graduates of the program who pursue the *Professional Pilot* track will be able to:

1. Interpret and assess large aircraft systems;
2. Discuss relevant topics related to law and ethics in the aerospace industry;
3. Predict and solve human factors challenges in the cockpit;
4. Compile, interpret, and draw conclusions from safety data related to flight;
5. Describe high speed, high altitude aerodynamics; and
6. Assess propulsion systems of large, complex aircraft.

Students who graduate from the Professional Pilot track who meet certain criteria may qualify for a restricted privileges airline transport pilot (R-ATP) certificate with reduced aeronautical experience of 1,000 hours or 1,250 hours.

Graduates of the program who pursue the *Aerospace Management* track will be able to:

1. Compare varying methods of managing the airside and landside operations of a large airport;
2. Discuss various facets of airline operations;
3. Explain the environmental concerns related to airports and airline operations;
4. Determine aviation security measures to implement in various scenarios;
5. Evaluate and compare aviation maintenance tasks necessary for safe flight; and
6. Explain methods for designing modern airports.

Program Entrance Requirements: The Bachelor of Science degree in Aerospace Sciences uses a 2+2 model designed to provide individuals who have obtained an Associate of Science (A.S.) or Associate of Arts (A.A.) degree from a regionally accredited college or university the opportunity to further their education. The curriculum offers a learner-centered practical approach to understanding the aviation industry.

The Bachelor of Applied Science is an open access program designed for the adult learner who has earned an Associate of Science or an Associate of Arts degree and wishes to advance professionally. General admission to Broward College is required, and students will submit a supplemental program application. Applicants for the B.S. program should have completed a minimum of 15 semester hours of general education requirements as part of their A.S. degree. The remaining general education semester hours

(totaling 36) will be completed during the Bachelor of Science degree program. Students must meet all of the State of Florida Bachelor of Science general education requirements to be awarded the Bachelor of Science (B.S.) degree in Aerospace Sciences. Students with an Associate of Arts degree (A.A.) may be admitted to the program upon recommendation of the Dean or Associate Dean.

Applicants are required to have a cumulative grade point average (GPA) of 2.0 on a 4.0 scale in all post-secondary coursework. Applicants must be in good academic standing at the last institution they attended. Broward College will automatically access the transcripts of previous or current students applying to the B.S. program. As part of the admission process, students are required to complete an educational plan with their advisor.

Students who are new to Broward College must first apply to the college by visiting the college's website at www.broward.edu. General admission to Broward College does not constitute admission to the B.S. program. Students must also submit a supplemental program application, which can be found at www.broward.edu/aviation. Students currently attending Broward College who wish to apply for the B.S. program are required to complete the supplemental program application which can be found at www.broward.edu/aviation. Graduates or previous Broward College students who have not been in attendance for more than two major terms are required to complete *both* the re-entry application and the supplemental program application. Please visit www.broward.edu for the re-entry application and then visit the department website at www.broward.edu/aviation for the supplemental program application. International students must first be admitted to the college. Please visit www.broward.edu/international for admissions requirements. Once admitted, student will complete the supplemental program application.

Graduation Requirements: The Bachelor of Science degree will be awarded to students who meet the following requirements:

- A minimum of 120 semester credit hours in the prescribed coursework is required for the Bachelor of Science degree. Coursework is comprised of both lower division (A.A. or A.S.) and upper division (B.S.) as specified by the program sheet.
- Demonstrated competency in a foreign language
- Students must maintain an overall GPA of 2.0 to meet their graduation requirements.
- Be recommended for graduation by the faculty of the student's major field department.

Additional Program Information: Students interested in pursuing the Bachelor of Science in Aerospace Sciences degree who have an Associate of Arts degree or who do not have an Associate of Science degree in an aviation-related program from Broward College may have additional prerequisite coursework to complete. This coursework may fulfil the requirements of the upper division coursework. Students must meet with an academic advisor to determine specific requirements based on previously completed lower division courses.

Contact Information: Please visit the program website at www.broward.edu/aviation.

Related Programs at Broward College:

Professional Pilot Technology Associate of Science (2107)
Aviation Maintenance Management Associate of Science (2204)
Aviation Administration Associate of Science (2509)

Bachelor of Science in Aerospace Sciences
Program ID S800

General Education Credit Hours		**18**
ENC1102	Written Composition II	3
GenEd	Social Science	3
GenEd	Mathematics	3
GenEd	Humanities	3
GenEd	Science	3
GenEd	Science Lab	1
HLP1081	Total Wellness	2
Core Requirement Credit Hours		**15**
ASC3210	Advanced Aviation Weather	3
AVM3210	Advanced Aviation Human Factors	3
ASC3321	Aviation Law II	3
AVM3220	Aviation Safety & Security II	3
ASC3000	Airline Operations I	3

Aerospace Management Track		**27**
AVM3100	Aviation Sales & Marketing	3
AVM4500	Quality Assurance in Aviation	3
AVM4000	Aviation Finance	3
AVM4600	Domestic Aviation Operations ***or***	3
AVM4200	International Aviation Operations	3
AVM3300	Customer Relations in Aviation	3
AVM3200	Aviation Human Resource Management	3
AVM4300	Aviation Planning	3
AVM4400	Aviation Project Management	3
AVM3700	Employee Relations in Aviation	3
Professional Pilot Track		**23**
ASC4200	Advanced Flight Planning	3
ASC4400	Airline Operations II	3
AVM4120	Advanced Aviation Human Factors II	3
ASC4126	Transport Category Aircraft Operations	5
AVM4600	Domestic Aviation Operations	3
AVM4200	International Aviation Operations	3
ASC4551	Advanced/High Altitude Aerodynamics	3

Total Program Credit Hours	**56-60**

Notes: Many courses have pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor each term.

CHOOSE YOUR COURSES

Bachelor of Science in Aerospace Sciences
Program Code S800

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)
Location(s): Program specific courses for this program are offered at the Judson A. Samuels South Campus.

Program Description: The Bachelor of Science (B.S.) in Aerospace Sciences degree is designed specifically for those students with a desire to work in various aviation-related careers. The program introduces students who are new to aviation to a wide-ranging sampling of the various sectors, but also allows students with a more focused approach the opportunity to concentrate on a particular area of interest. This program is intended to prepare graduates for a variety of supervisory, management, and leadership positions within the growing aviation industry at airlines, airports, aircraft maintenance, and repair and overhaul companies, etc. It is also designed to give current workers in the field advanced education to make them more competitive for promotion opportunities.

Students select from one of two tracks: Professional Pilot track or Aerospace Management track.

Graduates of the program who pursue the *Professional Pilot* track will be able to:

1. Interpret and assess large aircraft systems;
2. Discuss relevant topics related to law and ethics in the aerospace industry;
3. Predict and solve human factors challenges in the cockpit;
4. Compile, interpret, and draw conclusions from safety data related to flight;
5. Describe high speed, high altitude aerodynamics; and
6. Assess propulsion systems of large, complex aircraft.

Students who graduate from the Professional Pilot track who meet certain criteria may qualify for a restricted privileges airline transport pilot (R-ATP) certificate with reduced aeronautical experience of 1,000 hours or 1,250 hours.

Graduates of the program who pursue the *Aerospace Management* track will be able to:

1. Compare varying methods of managing the airside and landside operations of a large airport;
2. Discuss various facets of airline operations;
3. Explain the environmental concerns related to airports and airline operations;
4. Determine aviation security measures to implement in various scenarios;
5. Evaluate and compare aviation maintenance tasks necessary for safe flight; and
6. Explain methods for designing modern airports.

Program Entrance Requirements: The Bachelor of Science degree in Aerospace Sciences uses a 2+2 model designed to provide individuals who have obtained an Associate of Science (A.S.) or Associate of Arts (A.A.) degree from a regionally accredited college or university the opportunity to further their education. The curriculum offers a learner-centered practical approach to understanding the aviation industry.

The Bachelor of Applied Science is an open access program designed for the adult learner who has earned an Associate of Science or an Associate of Arts degree and wishes to advance professionally. General admission to Broward College is required, and students will submit a supplemental program application. Applicants for the B.S. program should have completed a minimum of 15 semester hours of general education requirements as part of their A.S. degree. The remaining general education semester hours

(totaling 36) will be completed during the Bachelor of Science degree program. Students must meet all of the State of Florida Bachelor of Science general education requirements to be awarded the Bachelor of Science (B.S.) degree in Aerospace Sciences. Students with an Associate of Arts degree (A.A.) may be admitted to the program upon recommendation of the Dean or Associate Dean.

Applicants are required to have a cumulative grade point average (GPA) of 2.0 on a 4.0 scale in all post-secondary coursework. Applicants must be in good academic standing at the last institution they attended. Broward College will automatically access the transcripts of previous or current students applying to the B.S. program. As part of the admission process, students are required to complete an educational plan with their advisor.

Students who are new to Broward College must first apply to the college by visiting the college's website at www.broward.edu. General admission to Broward College does not constitute admission to the B.S. program. Students must also submit a supplemental program application, which can be found at www.broward.edu/aviation. Students currently attending Broward College who wish to apply for the B.S. program are required to complete the supplemental program application which can be found at www.broward.edu/aviation. Graduates or previous Broward College students who have not been in attendance for more than two major terms are required to complete *both* the re-entry application and the supplemental program application. Please visit www.broward.edu for the re-entry application and then visit the department website at www.broward.edu/aviation for the supplemental program application. International students must first be admitted to the college. Please visit www.broward.edu/international for admissions requirements. Once admitted, student will complete the supplemental program application.

Graduation Requirements: The Bachelor of Science degree will be awarded to students who meet the following requirements:

- A minimum of 120 semester credit hours in the prescribed coursework is required for the Bachelor of Science degree. Coursework is comprised of both lower division (A.A. or A.S.) and upper division (B.S.) as specified by the program sheet.
- Demonstrated competency in a foreign language
- Students must maintain an overall GPA of 2.0 to meet their graduation requirements.
- Be recommended for graduation by the faculty of the student's major field department.

Additional Program Information: Students interested in pursuing the Bachelor of Science in Aerospace Sciences degree who have an Associate of Arts degree or who do not have an Associate of Science degree in an aviation-related program from Broward College may have additional prerequisite coursework to complete. This coursework may fulfil the requirements of the upper division coursework. Students must meet with an academic advisor to determine specific requirements based on previously completed lower division courses.

Contact Information: Please visit the program website at www.broward.edu/aviation.

Related Programs at Broward College:

Professional Pilot Technology Associate of Science (2107)
Aviation Maintenance Management Associate of Science (2204)
Aviation Administration Associate of Science (2509)

Bachelor of Science in Aerospace Sciences
Program ID S800

General Education Credit Hours		**18**
ENC1102	Written Composition II	3
GenEd	Social Science	3
GenEd	Mathematics	3
GenEd	Humanities	3
GenEd	Science	3
GenEd	Science Lab	1
HLP1081	Total Wellness	2
Core Requirement Credit Hours		**15**
ASC3215	Advanced Aviation Weather	3
AVM3478	Advanced Aviation Human Factors	3
ASC3321	Advanced Aviation Law	3
AVM3443	Aviation Safety & Security II	3
AVM3522	Airline Operations I	3

Aerospace Management Track		**27**
AVM3302	Aviation Sales & Marketing	3
AVM4180	Quality Assurance in Aviation	3
AVM4540	Aviation Finance	3
AVM4516	Domestic Aviation Operations ***or***	3
AVM4700	International Aviation Operations	3
AVM3030	Customer Relations in Aviation	3
AVM3600	Aviation Human Resource Management	3
AVM4160	Aviation Planning	3
AVM4170	Aviation Project Management	3
AVM3630	Employee Relations in Aviation	3
Professional Pilot Track		**23**
ASC4200	Advanced Flight Planning	3
AVM4523	Airline Operations II	3
ASC4476	Advanced Aviation Human Factors II	3
ASC4671	Transport Category Aircraft Operations	5
AVM4516	Domestic Aviation Operations	3
AVM4700	International Aviation Operations	3
ASC4551	Advanced/High Altitude Aerodynamics	3

Total Program Credit Hours **56-60**

Notes: Many courses have pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor each term.

CHOOSE YOUR COURSES

Correctional Probation Officer Academy - 5304
(Restricted Admission-Limited Access)

Career Pathway: Public Safety
Location(s): Program specific courses for this program are offered at the A. Hugh Adams Central Campus.
Program Entrance Requirements: Candidates must be hired by the State of Florida Department of Corrections to attend the Correctional Probation Academy Program http://www.fldocsjobs.com/paths/cpo/. The State of Florida requires applicants interested in being hired must possess a high school diploma and a bachelor's degree from accredited institutions. Seating is limited to 40 students per academy program.
Program Description: The Correctional Probation Officer Academy is a limited access program. Courses are held at the Institute of Public Safety located at A. Hugh Adams, Central Campus. The Institute is certified through the Florida Criminal Justice Standards and Training Commission to provide basic and advanced training. This program prepares students who are already hired by the State Department of Corrections to become a Correctional Probation Officer. This program will prepare each student to take the Correctional Probation State Officer certification exam.
Additional Program Information: Contact the State of Florida Department of Corrections for hiring opportunities. Upon hire, the department will pay for candidates to attend the academy at IPS.

Build Your Education

Correctional Probation Officer Academy PSAV 5304 → *Criminal Justice Technology AS 21101* → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Course ID	Description	Credits
Term 1	CJK0260	Introduction to Correctional Probation	14
	CJK0264	Legal Foundations for Correctional Probation	44
	CJK0265	Correctional Probation Communications	46
	CJK0266	Intake and Orientation	24
	CJK0267	Correctional Probation Caseload Management	32
	CJK0268	Supervision of Offenders	88
	CJK0269	Field Supervision	80
	CJK0031	CMS First Aid for Criminal Justice Officers	40
	CJK0051	Criminal Justice Defense Tactics	80
	CJK0281	Criminal Justice Officer Physical Fitness Training	34
Total Program Clock Hours			***482***

Notes: Students attend the Broward Correctional Probation Academy, Monday-Friday, 7:45am-5:00pm. Schedules are subject to change. Students must maintain excellent attendance at all required courses. Students will wear academy approved attire and must follow the IPS Academy Rules and Regulations and Broward College Student Code of Conduct.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Corrections Officer Academy Basic Recruit Training- 5270

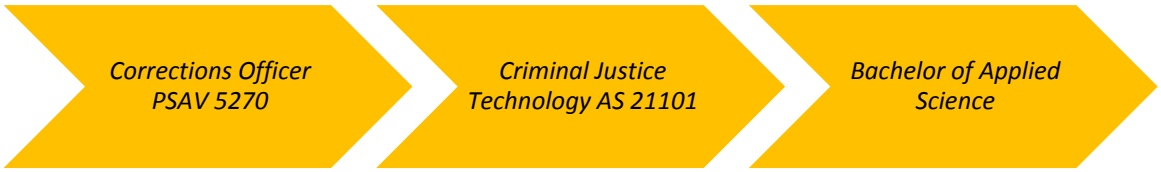
Career Pathway: Public Safety
Location(s): Program specific courses for this program are offered at the A. Hugh Adams Central Campus.

Program Entrance Requirements: All candidates entering the program must have proof of a standard high school diploma or GED. Candidates are required to complete the pre-program testing through Broward College Institute of Public Safety Regional Selection Center. The candidate must complete and achieve passing scores on the Basic Abilities Test for Corrections (BAT), and pass a physical fitness ability test (Basic Motor Skills). Some agencies will also require a Test of Adult Basic Ability (TABE). All test registrations must be completed online. Seating is limited to 40 students per academy program.

Program Description: The Corrections Academy Basic Training Program is a limited access program. The Institute is certified by the Florida Criminal Justice Standards and Training Commission to provide basic and advanced training. The Corrections Basic Recruit Training prepares students as entry-level corrections officers/deputies in the State of Florida. Practical skills and simulated activities complement the classroom instruction. This minimum standards program is regulated by Florida statutes and is a highly structured and disciplined program. Upon successful completion of the Basic Training Program, a student is eligible to take the Florida Department of Law Enforcement, Corrections State Officer Certification exam. Upon achieving a passing score on the exam, the student, if not already hired, will be eligible to seek employment with a state corrections or local jail facility. For additional information on agency requirements for hire, students should refer to the standards as prescribed by Florida State Statute 943.17 and should contact the hiring agency.

Additional Program Information: Students completing their corrections academy training who do not already have a degree are strongly encouraged to continue their education by completing the A.S. degree in Criminal Justice. Students completing the Corrections Officer program are eligible to receive 6 college credits towards the A.S. degree in Criminal Justice.

Build Your Education



Recommended Course Sequence

Full Time	Course ID	Description	Credits
Term 1	CJK0300	Introduction to Corrections	32
	CJK0305	Communications	40
	CJK0310	Officer Safety	16
	CJK0315	Facility and Equipment	8
	CJK0320	Intake and Release	18
	CJK0325	Supervising in a Correctional Facility	40
	CJK0330	Supervising Special Populations	20
	CJK0335	Responding to Incidents and Emergencies	16
	CJK0031	First Aid for Criminal Justice Officers	40
	CJK0040	Criminal Justice Firearms	80
	CJK0051	Criminal Justice Defensive Tactics	80
	CJK0340	Officer Wellness and Physical Abilities	30
		Total Program Clock Hours	***420***

Notes: Students attend the Broward Corrections Academy Monday-Friday, 7:45am-5 pm. Schedules are subject to change. Students must maintain excellent attendance at all required courses. Students will wear uniforms and must follow the IPS Academy Rules and Regulations and Broward College Student Code of Conduct.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan

CHOOSE YOUR COURSES

Associate of Science in Criminal Justice-Crime Scene Emphasis 21102

Career Pathway: Public Safety

Location(s): Courses for this program are offered at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: This program is designed for students who hope to work in the field of law enforcement as crime scene technicians and/or police service aides and/or law enforcement officers. The program provides students with the knowledge, skills and training necessary to perform quality work as a crime scene technician, including the collection, preservation, documentation and presentation of criminal evidence. Students will also learn about the criminal justice and criminal courts system. This AS degree does not qualify students for state certification as a law enforcement or corrections officer. To become certified as a corrections or law enforcement officer a student must complete a Florida state certified Basic Recruit Training Program (Police Academy or Corrections Academy). Visit the program's website for more information.

Build Your Education

Crime Scene (TC1) 6347 → *Crime Scene Emphasis AS 21102* → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	ENC1101	Composition I	3	
		GE Course	General Education Mathematics	3	
	Term 2	PSY2012 or SYG2000	General Psychology Principles of Sociology	3	
		CCJ1020	Introduction to Criminal Justice	3	X
Term 2	Term 3	ENC1102 or ENC2210	Composition II or Technical Report Writing	3	
		CJL1062	Constitutional Law	3	X
	Term 4	CCJ2191	Human Behavior in Criminal Justice	3	
		GE Course	General Education Humanities	3	
Term 3	Term 5	Elective*	Elective Course	3	X
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3	
Term 4	Term 6	CJE2600	Criminal Investigation	3	X
		CJE2640	Introduction to Criminalistics	3	X
	Term 7	CJL1100	Criminal Law	3	X
		POS2041 or POS2112	National Government or State &Local Government	3	
Term 5	Term 8	CJE2643	Adv. Forensic Investigation	3	X
		CJL1130	Criminal Evidence	3	X
	Term 9	CJE2770	Forensics Photography	3	X
		Elective*	Elective Course	3	
Term 6	Term 10	GE Course	General Education Biological/Physical Science	3	
		CJE2642	Criminalistics Practicum	3	X
Total Program Credit Hours				*60*	28

TC1

Notes: * Students must complete an additional 6 credits of electives. The student may have to take MAT1033/STA1001 based on placement score. If the student needs these courses, then 3 credits of the elective area can be used to fulfill the requirements. Other elective courses may be selected from the following: any Criminal Justice, Fire Science, or Emergency Management course or any other college level course.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate in Science - Criminal Justice-Polygraph Emphasis 21104

Career Pathway: Public Safety
Location(s): Courses for this program are offered at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus. The specific polygraph courses are offered through a private training school, the International Academy of the Polygraph (IAP) at Deception Control, Inc., Fort Lauderdale.
Program Entrance Requirements: HS Diploma or GED

Program Description: The AS degree in Criminal Justice-Polygraph Emphasis is designed for students who hope to work in the field of law enforcement, corrections or public safety. The AS degree in Criminal Justice-Polygraph provides students with a valuable credential when applying for such jobs as police officer, corrections officer, state trooper/state officer, US Customs/Immigration inspector and community/police service aide or polygrapher. The AS degree does not qualify students for state certification as a law enforcement or corrections officer. To become certified as a corrections or law enforcement officer a student must complete a Florida state certified Basic Recruit Training Program (Police Academy or Corrections Academy).

Additional Program Information: The specific polygraph courses are offered through a private training school, the International Academy of the Polygraph (IAP) at Deception Control, Inc., Fort Lauderdale
(Tel: 954-771-6900 or 1-800-776-1660 or http://deception.com/polygraph_school.html. See the IAP web page for their program entrance requirements and tuition costs. Students who complete the IAP at Deception Control will be awarded prior learning assessment credits that may be used toward this AS degree after submitting verification of their completed training to the Broward College Associate Dean for Criminal Justice. Visit the program's website for more information.

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		GE Course	General Education Mathematics	3
	Term 2	PSY2012 or SYG2000	General Psychology or General Sociology	3
		CCJ1020	Introduction to Criminal Justice	3
Term 2	Term 3	ENC1102 or ENC2210	Composition II or Technical Report Writing	3
		POS2041 or POS2112	National Government or State & Local Government	3
	Term 4	CJL1062	Constitutional Law	3
		CCJ2191	Human Behavior in Criminal Justice	3
Term 3	Term 5	GE Course	General Education Humanities	3
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3
Term 4	Term 6	Elective*	Elective Course	3
		GE Course	General Education Biological/Physical Science	3
	Term 7	CJE2600	Criminal Investigation	3
		Elective*	Elective Course	3

Polygraph courses taken through the International Academy of the Polygraph, Deception Control (Ft. Lauderdale, Tel: 954-771-6900, www.deception.com) Students who successfully complete the IAP, Deception Control Polygraph Training will receive prior learning assessment credits for the following courses;

Course ID	Description	Credits
CJE2580	Interviews & Interrogations	3
CJE2723	Test Questions/Personnel Screening	3
CJE2724	Test Questions/Criminal Cases	3
CJE2722	Polygraph Theory and Operations	3
CJE2725	Chart Analysis, Validity and Reliability	3
CJE2726	Polygraph Operations Practicum	3
Total Program Credit Hours		***60***

Notes:*Electives- Students must complete an additional 6 credits of electives. The student may have to take MAT1033/STA1001 based on their placement score. If the student needs these courses, then 6 credits of the elective area can be used to fulfill the requirements. If the student does not need to take these courses, the student must take electives from the following courses – CCJ2949, any Criminal Justice course, any Fire Science course, or any other college level course.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Criminal Justice 21101

Career Pathway: Public Safety
Location(s): Courses for this program are offered at all BC locations. Program specific courses for this program are offered at the A. Hugh Adams Central Campus.
Program Entrance Requirements: HS Diploma or GED
Program Description: The AS degree in Criminal Justice is designed for students who hope to work in the field of law enforcement, corrections or public safety. The AS degree in Criminal Justice provides students with a valuable credential when applying for such jobs as police officer, corrections officer, state trooper/state officer, US Customs/Immigration inspector and community/police service aide. The AS degree does not qualify students for state certification as a law enforcement or corrections officer. To become certified as a corrections or law enforcement officer a student must complete a Florida state certified Basic Recruit Training Program (Police Academy or Corrections Academy). Visit the program's website for more information.

Build Your Education

Criminal Justice AS 21101 → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		GE Course	General Education Mathematics	3
	Term 2	CCJ1020	Introduction to Criminal Justice	3
		PSY2012 or SYG2000	General Psychology or General Sociology	3
Term 2	Term 3	ENC1102 or ENC2210	Composition II or Technical Report Writing	3
		POS2041 or POS2112	National Government or State &Local Government	3
	Term 4	CJL1062	Constitutional Law	3
		CCJ2191	Human Behavior in Criminal Justice	3
Term 3	Term 5	Elective**	Elective Course	3
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3
Term 4	Term 6	CJ Elective*	Criminal Justice Elective Course	3
		CJ Elective*	Criminal Justice Elective Course	3
	Term 7	Elective**	Elective Course	3
		CJE2600	Criminal Investigation	3
Term 5	Term 8	Elective**	Elective Course	3
		CJ Elective*	Criminal Justice Elective Course	3
	Term 9	GE Course	General Education Biological/Physical Science	3
		Elective**	Elective Course	3
Term 6	Term 10	GE Course	General Education Humanities	3
		CJ Elective*	Elective Course	3
Total Program Credit Hours				*60*

Notes: *Criminal Justice Electives- CJC2000, CJE2170, CJL1100, CJE2400, CJC2162, DSC1002, CJL1130, DSC1006, CCJ2933, CJL2060, DSC2590, CJL1140, DSC2242, CJJ2001, CJE2640, FES2010, and CJE1300.

**Electives –Students must complete an additional 12 credits of electives. The student may have to take MAT1033/STA1001 based on placement score. If the student needs these courses, then 3 credits of the elective area can be used to fulfill the requirements. Other elective courses may be selected from the following: any Criminal Justice, Fire Science course OR any other college level course. Many courses have specific pre-requisite and co-requisite requirements that must be followed.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Police Service Aide Academy - 5271
(Restricted Admission-Limited Access)

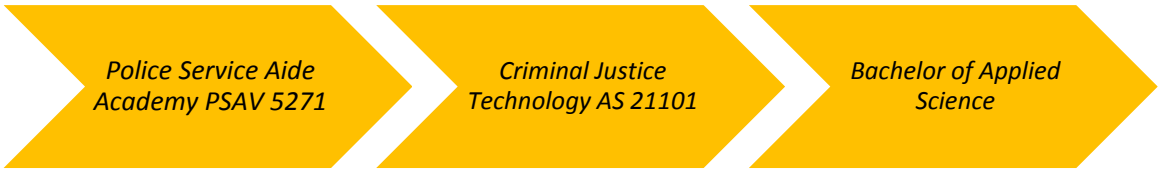
Career Pathway: Public Safety
Location(s): Program specific courses for this program are offered at the A. Hugh Adams Central Campus.

Program Entrance Requirements: All candidates entering the program must have proof of a standard high school diploma or GED and are required to complete the pre-program testing through Broward College Institute of Public Safety Regional Selection Center. The candidate must complete and achieve passing scores (10.0 on all sections) on the TABE test (Adult Basic Ability Test). All test registrations must be completed online. Candidates who are seeking to sponsor themselves must complete the above test first before contacting the open enrollment coordinator. For additional information on this process, please visit our website at www.broward.edu/ips. Seating is limited to 40 students per academy program.

Program Description: The Police Service Aide Academy Training Program is a limited access program. The Institute is certified by the Florida Criminal Justice Standards and Training Commission to provide basic and advanced training. The Police Service Aide Academy prepares students for employment as Parking Enforcement Specialists, Traffic Crash Investigators, and Community Service Officers in accordance with Chapters 316.640 and 943, Florida Statute. Courses of study include but are not limited to First Responder, Vehicle Operation, Interpersonal Skills Traffic Control, Legal, Ethics, Crime Scene Investigation and Courtroom Preparation and Testimony. Practical skills and simulated activities complement the classroom instruction. This minimum standards program is regulated by Florida statutes, The Florida Department of Education, The Florida Department of Law Enforcement and is a highly structured and disciplined program. Upon successful completion of the training Program, a student is eligible to seek employment as a Police Service Aide or Community Service Officer. For additional information on agency requirements for hire, students should refer the hiring agency.

Additional Program Information: Students completing their academy training who do not already have a degree are strongly encouraged to continue their education by completing the A.S. degree in Criminal Justice Technology. Students who complete the Police Service Aide Academy are eligible to receive 3 college credits towards the A.S. degree in Criminal Justice Technology. For additional information, contact the program manager at 954-201-6803.

Build Your Education



Recommended Course Sequence

Full Time	Course ID	Description	Credits
Term 1	*CJK0441C*	*Police Service Aide*	*110*
	CJK0442	*Traffic Accident/Crash Investigator*	*80*
	CJK0451	*Parking Enforcement Specialist*	*16*
Total Program Clock Hours			*206*

Notes: For Self-Sponsored candidates:

- Must be 18 years of age or older.
- High School diploma or GED.
- Must possess a valid Florida Driver's License- applicants must provide a copy of their current driving history for review. – Contact the Florida Department of Highway Safety and Motor Vehicles.
- United States Citizenship not a requirement.
- Be of Good Moral Character; having no felony convictions; no misdemeanor convictions involving moral character, perjury, false statement as outlined in Florida State Statute.
- Not have been dishonorably discharged from the Armed Forces of the United States and Provide copy of military documents
- Must successfully pass the TABE test. Test Registration is to be completed on line at http://www.broward.edu/ips.
- For more information on testing, please call us at 954-201-6931 or 207-6790.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan

CHOOSE YOUR COURSES

Police Academy Basic Recruit Training - 5269
(Restricted Admission-Limited Access)

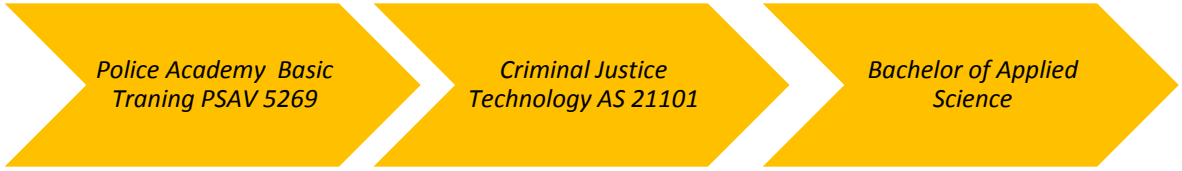
Career Pathway: Public Safety
Location(s): Program specific courses for this program are offered at the A. Hugh Adams Central Campus.

Program Entrance Requirements: All candidates entering the program must have proof of a standard high school diploma or GED and are required to complete the pre-program Testing through Broward College Institute of Public Safety Regional Selection Center. The candidate must complete and achieve passing scores on the Basic Abilities Test for Law Enforcement (BAT), and pass a physical fitness ability test (Basic Motor Skills), and a Swim Test. Some agencies will also require a Test of Adult Basic Ability (TABE). All test registrations must be completed online at http://www.broward.edu/admissions/testing/Pages/default.aspx.
Candidates who are seeking to sponsor themselves must complete the above tests first before contacting the open enrollment coordinator. All open enrollment candidates must also complete and achieve passing scores on the TABE test. Additional information on this process is available on our website at www.broward.edu/ips.
Seating is limited to 40 students per academy program.

Program Description: The Police Academy Basic Training Program is a limited access program. Courses are held at the Institute of Public Safety, located at A. Hugh Adams Central Campus. The Institute is certified by the Florida Criminal Justice Standards and Training Commission to provide basic and advanced training. The Law Enforcement Basic Recruit Training prepares students as entry-level law enforcement officers in the State of Florida. Practical skills and simulated activities complement the classroom instruction. This minimum standards program is regulated by Florida statutes and is a highly structured and disciplined program.
Upon successful completion of the Basic Training Program, a student is eligible to take the Florida Department of Law Enforcement State Officer Certification exam. Upon achieving a passing score on the exam, the student, if not already hired, will be eligible to seek employment with a law enforcement agency. For additional information on agency requirements for hire, students should refer to the standards as prescribed by Florida State Statute 943.17 and should contact the hiring agency.

Additional Program Information: Students completing their law enforcement academy training who do not already have a degree are strongly encouraged to continue their education by completing the A.S. degree in Criminal Justice Technology. Student who successfully complete the Law Enforcement program are eligible to receive 15 college credits towards the A.S. degree in Criminal Justice Technology. For additional information, contact the program manager at 954-201-6803.

Build Your Education



Recommended Course Sequence

Full Time	Course ID	Description	Credits
Term 1	CJK0001	Introduction to Law Enforcement	10
	CJK0012	Legal	62
	CJK0013	Interactions in a Diverse Community	40
	CJK0014	Interviewing and Report Writing	56
	CJK0064	Fundamentals of Patrol	25
	CJK0065	Calls for Service	26
	CJK0077	Criminal Investigations	50
	CJK0078	Crime Scene to Courtroom	25
	CJK0092	Critical Incidents	44
	CJK0087	Traffic Stops	30
	CJK0084	DUI Traffic Stops	24
	CJK0088	Traffic Investigations	32
	CJK0031	First Aid for Criminal Justice Officers	40
	CJK0040	Criminal Justice Firearms	80
	CJK0051	Criminal Justice Defensive Tactics	80
	CJK0020	Emergency Vehicle Operations	48
	CJK0422	Dart Firing Stun Gun	8
	CJK0096	Physical Fitness	60
Total Program Clock Hours			770

Notes: Students attend the Broward County Police Academy Monday-Friday, 7:45am-5 pm. Schedules are subject to change. Students must maintain excellent attendance at all required courses. Students will wear uniforms and must follow the IPS Academy Rules and Regulations and Broward College Student Code of Conduct. Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Computer Information Technology - 2149

Career Pathway: Science, Technology, Engineering, and Math (STEM)

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Computer Information Technology Associate in Science degree exposes students to applications programming, networking, systems administration, database management, information security, project management and web development. It is designed for students seeking the skills set needed to be successful in their careers in the field of information technology. Visit the program's website for more information.

Build Your Education

Information Technology Support Specialist TC1 6337 → *Information Technology Analyst TC2 6338 (IT Specialization Only)* → *Computer Information Technology AS 2149* → *Applied Bachelor of Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	*Term 1*	ENC1101	Composition I	3		
		CIS1001C	Fundamentals of Information Technology	3	x	x
	Term 2	COP1702C	Introduction to Database and MYSQL	3		x
		CTS1513C	Project Management	3	x	x
Term 2	*Term 3*	CTS1133C	A+ Essentials	3	x	x
		CTS2131C	A+ Practical	3	x	x
	Term 4	CTS1134C	Network+	3	x	x
		STA2023* or MGF1107*	Statistics (Recommended) or Survey of Mathematics	3		

Information Technology Specialization

Term 3	*Term 5*	CTS1390C	Installing & Configuring Windows Server	3		x
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
Term 4	*Term 6*	CTS1391C	Administering Windows Server	3		x
		CTS1392C	Configuring Advanced Windows Server	3		x
	Term 7	EVR1001	Environmental Science (Recommended)	3		
		CTS1111C	Linux+	3		
Term 5	*Term 8*	CTS1851C	Web Authoring I	3		
		CTS2120C	Security+	3		TC2
	Term 9	CIS2949	Co-op Work Experience	3		
		PHI2010 or THE2000	Introduction to Philosophy or Theatre Appreciation (Recommended)	3		
Term 6	*Term 10*	Elective	Prefix: COP, CIS, CTS, or CET	3	TC1	
		ECO2013 or POS2041	Principles of Macroeconomics (Recommended) National Government	3		
Total Program Credit Hours				**60**	18	27

Recommended Course Sequence

Data Support Specialization

Term 3	*Term 5*	COP1000C	Introduction to Programing	3		
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
Term 4	*Term 6*	CGS1510C	Electronic Spreadsheets	3		
		COP2071C	Database Design & Programing SQL	3		
	Term 7	EVR1001	Environmental Science (Recommended)	3		
		CTS1111C	Linux+	3		
Term 5	*Term 8*	CTS1851C	Web Authoring I	3		
		CAP2760C	Introduction to Big Data with R & R studio	3		
	Term 9	CIS2949	Co-op Work Experience	3		
		PHI2010 or THE2000	Introduction to Philosophy or Theatre Appreciation (Recommended)	3		
Term 6	*Term 10*	Elective	Prefix: COP, CIS, CTS, or CET	3		
		ECO2013 or POS2041	Principles of Macroeconomics (Recommended) National Government	3		
Total Program Credit Hours				**60**	18	27

Notes: Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. Students should complete all Core Computing Requirements before completing specialization courses. *Student may have to take STA1001 or MAT1033 based on placement score.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Computer Programming and Analysis - 2195

Career Pathway: Science, Technology, Engineering, & Mathematics (STEM)

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate in Science Degree in Computer Programming and Analysis is designed to prepare students for the dynamic world of application and web development. Students will use current technology to learn procedural and object-oriented programming as well as web design including client-side and server-side scripting. The program will culminate with a capstone course in which students will work on a hands-on group project that can be used in their portfolios. Visit the program's website for more information.

Build Your Education

Computer Programming Specialist (TC1) 6331 → *Computer Programmer (TC2) 6332* → *Computer Programming and Analysis AS 2195* → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	CIS1000C	Introduction to Computer Science	3	X	X
		COP1210C	Programming I	3	X	X
	Term 2	CTS1851C	Web Authoring I	3	X	X
		ENC1101	Composition I	3		
Term 2	Term 3	COP2337C	Programming II	3		X
		COP2071C	Database Design & SQL Programming	3	X	X
	Term 4	CTS2852C	Client-Side Scripting	3	X	X
		MAC1105*	College Algebra (or MAT1033)	3		
Term 3	Term 5	CIS1513C	Project Management	3		
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
Term 4	Term 6	COP2361C	Object Oriented Analysis and Design	3		X
		Elective*	Object Oriented Programming Elective*	3		X
	Term 7	CTS2857C	Server-Side Scripting	3	TC1	X
		GE Course	General Education Science	3		
Term 6	Term 8	CDA2332C	System Architecture	3		X
		CTS1111C	Linux +	3		TC2
	Term 9	GE Course	General Education Humanities	3		
		Elective**	Computer Programming Elective	3		
Term 7	Term 10	GE Course	General Education Social Behavioral/Science	3		
		CIS2949	CS Internship	3		
Total Program Credit Hours				***60***	18	33

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. *Object Oriented Programming Electives: COP2360C or CTS2464C **Student may have to take MAT1033 based on placement score. If the student does not need MAT1033, they must take two of the following courses to fulfill the Computer Programming Electives: CTS2420C, CTS2437C, CTS2464C, COP2335C, COP2360C, COP2658C, COP2660C, COP2111C, CTS1806C, MAT1033***.
Computer literacy requirement: The computer literacy requirement will be met through completion of CIS1000C.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Computer and Network Security - 2506

Career Pathway: Science, Technology, Engineering, & Mathematics (STEM)
Location(s): Courses for this program are offered at the A. Hugh Adams Central Campus, the North Campus, and online.
Program Entrance Requirements: HS Diploma or GED
Program Description: The Computer and Network Security Associate in Science degree prepares students for employment opportunities as security professionals. It is designed for students seeking the skills set needed to be successful in their careers as an Ethical Hacker. Visit program's website for additional information.

Build Your Education

IT Support Specialist (TC1) 6337 → *Cybersecurity (TC2) 6341* → *Computer and Network Security AS 2506* → *Bachelor of Applied Science*

Recommended Course Sequence

AS with a Specialization in Ethical Hacking

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	Composition I	3		
		CIS1001C	Fundamentals of Information Technology	3	X	X
	Term 2	CTS1134C	Network+	3	X	X
		CIS1513C	Project Management	3	X	X
Term 2	Term 3	CTS1133C	A+ Essentials	3	X	X
		CTS2131C	A+ Practical	3	X	X
	Term 4	STA2023 or MAC1105	Statistics (Recommended) or College Algebra	3	TC1	X
		CTS1111C	Linux+	3		X
Term 3	Term 5	SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
		CTS1390C	Installing & Configuring Windows Server.	3		
Term 4	Term 6	EVR1001	Environmental Science (Recommended)	3		
		CTS2120C	Security+	3		X
	Term 7	CET2688C	System Security Practitioner (SSCP)	3		X
		ECO2013 or POS2041	Principles of Macroeconomics (Recommended) National Government	3		
Term 5	Term 8	CGS1460C	Secure Coding	3		
		CIS2530C	Web and Database Security	3		
	Term 9	PHI2010 or THE2000	Introduction to Philosophy or Theatre Appreciation (Recommended)	3		
		CIS2352C	Ethical Hacking I	3		
Term 6	Term 10	CIS2359C	Ethical Hacking II: Capstone	3		
		Elective* or CIS2949	Elective Course or Internship	3		TC2
			Total Program Credit Hours	***60***	18	30

Notes: *Student may have to take MAT1033 or STA1001 based on placement score. If the student does not need to take MAT1033 or STA1001, the student must take CIS2949.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Recommended Course Sequence

AS with a Specialization in Cybersecurity

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	Composition I	3		
		CIS1001C	Fundamentals of Information Technology	3	X	X
	Term 2	CTS1134C	Network+	3	X	X
		CIS1513C	Project Management	3	X	X
Term 2	Term 3	CTS1133C	A+ Essentials	3	X	X
		CTS2131C	A+ Practical	3	X	X
	Term 4	STA2023 or MAC1105	Statistics (Recommended) or College Algebra	3	TC1	X
		CTS1111C	Linux+	3		X
Term 3	Term 5	SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
		CTS1390C	Installing & Configuring Windows Server	3		
Term 4	Term 6	EVR1001	Environmental Science (Recommended)	3		
		CTS2120C	Security+	3		X
	Term 7	CET2688C	System Security Practitioner (SSCP)	3		X
		ECO2013 or POS2041	Principles of Macroeconomics (Recommended) National Government	3		
Term 5	Term 8	CTS2148C	Project+	3		
		CTS2651C	Router Technology	3		
	Term 9	PHI2010 or THE2000	Introduction to Philosophy or Theatre Appreciation (Recommended)	3		
		CTS2652C	Advanced Router Technology	3		
Term 6	Term 10	CIS2530C	Web and Database Security	3		
		Elective *or CIS2949	Elective OR CO OP Work Experience (Internship)	3		TC2
			Total Program Credit Hours	***60***	18	30

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Environmental Science Technology - 2182

Career Pathway: Science, Technology, Engineering, & Mathematics (STEM)

Location(s): Most courses for this program are offered at all BC locations. Specialized courses are offered at Central Campus.

Program Entrance Requirements: HS Diploma or GED

Program Description: This program prepares students for employment in various positions such as environmental laboratory technicians, environmental samplers, environmental health inspectors, instrumentation technicians, pollution control technicians, groundwater contamination technicians and geology technicians. This degree is designed to articulate into the BS in Environmental Science. Visit the program's website for more information.

Build Your Education

Environmental Science Technology AS 2182 → Bachelor of Science

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		MAC1105	College Algebra	3
	Term 2	EVR1263	Fundamentals of Air Pollution	3
		PSC1121 or PHY1001	Physical Science or Applied Physics	3
Term 2	Term 3	ENC2210	Professional and Technical Writing	3
		EVR1858	Environmental Regulations	3
	Term 4	CHM1045	General Chemistry I	3
		CHM1045L	General Chemistry I Lab	1
		Elective	Elective Course	5
Term 3	Term 5	GE Course	General Education Humanities	3
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3
Term 4	Term 6	BSC2010	Introduction to Biology I	3
		BSC2010L	Introduction to Biology I Lab	1
	Term 7	GEO2370	Conservation of Natural Resources	3
		GIS1040C	Introduction to Geographic Information System I	3
		ORH2527	Florida Flora and Ecosystem Landscapes	3
Term 5	Term 8	SWS2242C	Wetlands Management I	3
		EVR2930	Environmental Science Seminar	1
	Term 9	Elective	Elective Couse	4
		Science Elective**	Science Elective Specialization	4
Term 6	Term 10	GE Course	General Education Social/Behavioral Science	3
		EVR2949	Co-op Internship	3
			Total Program Credit Hours	***64***

Notes: *Electives –Students must complete 9credits of electives. The student may have to take MAT1033/STA1001 based on their placement score. The student may have to also take CGS1060C in order to meet the Computer Competency requirement. If the student needs these courses, then 6 credits of the elective area can be used to fulfill the requirements. If the student does not need to take these course, the student must take electives from the following courses - CHM1040, CHM1041, GLY1010, GLY1010L, GIS1000, GIS1030, GIS1042C, STA2023, and GIS1047C. ** Science Electives include a lecture science course and a lab from the following options: BOT2010 & BOT2010L, BSC2011 & BSC20111L, MCB2010 &MCB2010L, or ZOO2010 & ZOO2010L. Please note that some specialized courses are offered only in fall or spring terms.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Network Systems Technology Program Code - 2503

Career Pathway: Science, Technology, Engineering, and Math (STEM)

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Network Systems Technology Associate in Science degree, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as network administrators. It is designed for students seeking the skills set needed to be successful in their careers as Microsoft Network Administrators or Cisco Certified Networking Professionals. Visit the program's website for more information.

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2 OR	TC2	TC3	TC4
Term 1	Term 1	ENC1101	Composition I	3					
		CIS1001C	Fundamentals of Information Technology	3	X	X		X	X
	Term 2	CIS1513C	Project Management	3	X				X
		CTS1134C	Network+	3	X	X		X	X
Term 2	Term 3	CTS1133C	A+ Essentials	3	X		X	X	X
		CTS2131C	A+ Practical	3	X		X	X	X
	Term 4	STA2023 or MGF1107	Statistics (Recommended) or Survey of Mathematics	3					
		CTS2120C	Security+	3	TC1		X	X	

Cloud and Virtualization Specialization

Term 3	Term 5	CTS1390C	Installing & Configuring Windows Server	3		X			
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3					
Term 4	Term 6	CTS1391C	Administering Windows Server	3		X			
		CTS1392C	Configuring Advanced Windows Server	3		X			
	Term 7	EVR1001	Environmental Science (Recommended)	3					
		CTS1111C	Linux+	3		X			
Term 5	Term 8	CTS1145C	Cloud Essentials and Storage+	3		X			
		CTS2375C	Cloud+	3		TC2			
	Term 9	CIS2949	Co-op Work Experience	3					
		PHI2010 or THE2000	Introduction to Philosophy or Theatre Appreciation (Recommended)	3					
Term 6	Term 10	Elective	MAT1033, STA1001, COP, CIS, CTS, or CET	3					
		ECO2013 or POS2041	Principles of Macroeconomics (Recommended) or National Government	3					
Total Program Credit Hours				60	18	24	21	24	27

Recommended Course Sequence

Network Administration Specialization

Term 3	*Term 5*	CET1600C	Cisco Networking I	3			X		
		CET1610C	Cisco Networking II	3			X		
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3					
Term 4	*Term 6*	CET1615C	Cisco Networking III	3			X		
		CET1620C	Cisco Networking IV	3			TC2		
	Term 7	EVR1001	Environmental Science (Recommended)	3					
		CTS1390C	Installing & Configuring Windows Server	3				X	X
Term 5	*Term 8*	CTS1391C	Administering Windows Server	3				X	X
		CTS1392C	Configuring Advanced Windows Server	3				TC3	X
	Term 9	PHI2010 or THE2000	Introduction to Philosophy or Theatre Appreciation (Recommended)	3					
Term 6	*Term 10*	Elective	MAT1033, STA1001, COP, CIS, CTS, or CET	3					TC4
		ECO2013 or POS2041	Principles of Macroeconomics (Recommended) National Government	3					
Total Program Credit Hours				**60**	18	24	21	24	27

*Technical Certificate Four (TC4) is earned when student chooses COP1702C as the elective.

Students are strongly encouraged to meet with an advisor to create an educational plan.

CHOOSE YOUR COURSES

Associate of Science in Technology Project Management Program Code 2507

Career Pathway: Science, Technology, Engineering, & Mathematics (STEM)

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Technology Project Management Associate in Science degree prepares students for employment opportunities as entry level project management professionals. It is designed for students seeking the skill set needed to be successful in their careers as supervisors, managers, and project leaders especially in the field of Information Technology. Visit the program's website for more information.

Build Your Education

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	Composition I	3		
		CIS1001C	Fundamentals of Information Technology	3	X	X
	Term 2	CGS1510C	Electronic Spreadsheet	3		
		CIS1513C	Project Management	3	X	
Term 2	Term 3	CTS1133C	A+ Essentials	3	X	
		CTS2131C	A+ Practical	3	X	
	Term 4	CTS1134C	Network+	3	X	
		STA2023 or MAC1105	Statistics (Recommended) or College Algebra	3	TC1	
Term 3	Term 5	CTS1214C	Microsoft Project	2		
		GEB2430	Business Ethics	1		
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		X
Term 4	Term 6	APA1111C or ACG2001	Introduction to Accounting or Introduction to Accounting	3		X
		CTS2148C	Project+	3		
	Term 7	EVR1001	Environmental Science (Recommended)	3		
		MAN2021	Introduction to Management	3		TC2
Term 5	Term 8	MNA1161	Introduction to Customer Service	3		
		MNA2345	Principles of Supervision	3		
	Term 9	ISM2311C	IT Project Management: Capstone	3		
		PHI2010 or THE2000	Introduction to Philosophy or Theatre Appreciation (Recommended)	3		
Term 6	Term 10	Elective*	Elective Course	3		
		ECO2013 or POS2041	Principles of Macroeconomics (Recommended) National Government	3		
Total Program Credit Hours				***60***	**18**	**12**

Notes: *Student may have to take STA1001 or MAT1033 based on placement score. If the student does not need to take MAT1033 or STA1001, the student must take a Computer Science or a Business elective - any 1000 or 2000-level course with a CIS, COP, CET, CGS, CTS, ISM, ACG, BUL, GEB, FIN, MAN, MAR, MNA or MKA prefix. For TC 6288, CIS1001C will substitute for CGS1060C.

Associate of Science in Medical Laboratory Technology - 2505

Career Pathway: Science, Technology, Engineering, and Math (STEM)

Location(s): General education courses are offered at all BC locations. Program specific courses some courses may only be offered at the A. Hugh Adams Central Campus.

Program Entrance Requirements: Students must be graduates from Sheridan Technical College, Erwin Technical Center (College) or a similar Medical Laboratory Technology programs with an Advanced Technology Diploma (ATD).

Program Description: The Medical Technology Associate of Science degree program was developed specifically to enable Medical Laboratory Technician Certificate/Advanced Technology Diploma (ATD) graduates to continue their education and qualify for higher level positions in the clinical laboratory field or higher degrees such as the Bachelor's degree. AS program graduates will be able to work with less direct supervision and perform more difficult procedures than would be expected of an ATD graduate. They will be eligible to take state and national certifying exams that require education above the ATD level. Visit program's website for additional information.

Build Your Education

Additional Program Information: Students with the appropriate ATD will awarded 40 credits toward the AS in Medical Laboratory Technology. The credits will be awarded for the following courses:

• MLT1022	Introduction to Medical Technology	2
• MLT1022L	Introduction to Medical Technology	1
• MLT1040	Phlebotomy	1
• MLT1044L	Phlebotomy Clinical	1
• MLT2362	Hematology and Body Fluid Analysis	4
• MLT2362L	Hematology and Body Fluid Analysis Lab	2
• MLT2400	Medical Microbiology	4
• MLT2400L	Medical Microbiology	3
• MLT2530	Immunology/Immunohematology	4
• MLT2530L	Immunology/Immunohematology	2
• MLT2807L	Immunohematology Clinical Practicum	3
• MLT2809L	Hematology Clinical Practicum	3
• MLT2810L	Clinical Chemistry Practicum	3
• MLS2811L	Microbiology Clinical Practicum	3
• MLS2930	Seminar	4
	Total	40

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits
Term 1	Term 1	ENC1101	Composition I	3
		PHI2600	Ethics	3
	Term 2	MAC1105	College Algebra	3
		BSC2010	Introduction to Biology I	3
		BSC2010L	Introduction to Biology I Laboratory	1
Term 2	Term 3	ECO2013	Principles of Macroeconomics	3
		SPC1024 or SPC1608	Intro to Speech or Public Speaking	3
		Electives*	Elective Course	3
	Term 4	Electives*	Elective Course	3
		CHM1045	General Chemistry I	3
		CHM1045L	General Chemistry I Lab	1
Term 3	Term 5	CHM1046	General Chemistry II	3
		CHM1046L	General Chemistry II Lab	1
		Electives*	Elective Course	3
Articulated Credits		*Total ATD Credit Hours*		*40*
Total Program Credit Hours				*76*

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

*Student may have to take MAT1033 based on placement score. Student may also need to take CGS1060C if they are unable to successfully pass the computer competency test. If the student does not need to take MAT1033 or CGS1060C, the student must take either 1000 or 2000 level BSC, CHM, or MCB courses to meet the elective credit hour requirements.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Associate of Science in Web Development 2196

Career Pathway: Science, Technology, Engineering, & Mathematics (STEM)

Location(s): Courses for this program are offered at all BC locations.

Program Entrance Requirements: HS Diploma or GED

Program Description: The Associate of Science degree in Web Development Technology is designed to prepare students for the dynamic world of web design and development. Students will use current technology to learn client-side scripting, server-side scripting, and website animation and e-commerce tools. The program will culminate with a capstone course in which students will work on a hands-on group project that can be used in their portfolios. Visit the program's website for more information.

Build Your Education

Front-End Web Specialist (TC 1) 6333 → *Web Programming Specialist (TC 2) 6334* → *Web Development Technology AS 2196* → *Bachelor of Applied Science*

Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	ENC1101	Composition I	3		
		MAC1105*	College Algebra	3		
	Term 2	CIS1000C	Intro to Computer Science	3	X	X
		COP1000C	Intro to Programming	3	X	X
		Elective*	Elective Course	3		
Term 2	Term 3	CTS1851C	Web Authoring I	3	X	X
		CIS1513C	Project Management	3		X
	Term 4	COP2071C	Database Design & SQL Programming	3		X
		GE Course	General Education Science	3		
Term 3	Term 5	CS ELEC *	Computer Science Elective	3		X
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
Term 4	Term 6	CTS1806C	Web Authoring II	3	X	X
		CTS2857C	Server-Side Scripting	3	X	X
	Term 7	CTS2852C	Client-Side Scripting	3		X
		GRA2380C	User Experience & Interface Design	3		
Term 5	Term 8	CTS 2858C	CIW E-Commerce	3		X
		COP2111C	Intermediate Scripting	3		X
	Term 9	CTS1212C	Adobe Photoshop	3	TC1	TC2
		GE Course	General Education Social/Behavioral Science	3		
Term 6	Term 10	GE Course	General Education Humanities	3		
		COP2940	Web Programming Internship	3		
Total Program Credit Hours				***63***	**18**	**36**

Notes: *Program electives – Student may have to take MAT1033 based on placement score. If the student does not need MAT1033, the student may take any CTS or COP 1000 or 2000 level course to meet the elective requirements. CIS100C meets the college's computer literacy requirement.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Program Description: This certificate program prepares student for employment as a geographic information systems (GIS) technician or provides GIS training to those currently employed in these occupations. The curriculum includes basic computer skill classes, use of spatial databases for the storage of geographic data, creation of maps and analysis of spatial information, and related technologies of remote sensing and GPS and how they integrate with GIS. The classes provide extensive training with the popular ArcGIS software.

Career Pathway: Science, Technology, Engineering & Math (STEM)

Program Entrance Requirements: Students must hold a minimum of an Associate's degree.

Additional Program Information: N/A.

Related Industry Certifications: N/A

Location(s): Most courses are offered at all BC locations, including online. However, some courses may only be offered at the A. Hugh Adams Central Campus. Please consult the course schedule for specific semester locations.

Contact Information: Program contact information can be found at
www.broward.edu/academics/programs/environmental/environmentaltechnology/Pages/default.aspx

Related Programs at Broward College:
Environmental Science Technology Associate in Science (2182)

Required Courses

GIS1030	Remote Sensing and Applications	3
GIS1040C	Introduction to Geographic Information System I	3
GIS1042C	Introduction to Geographic Information Systems II	3
GIS1047C	Applications of Geographic Information Systems	3

Total Program Credit Hours **12**

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.

Bachelor of Applied Science in Technology Management - T200

Career Pathway: Science, Technology, Engineering, and Math (STEM)

Location(s): General Education courses can be taken at any college location. Program specific courses may vary by Campus. Please consult the course schedule semester for locations.

Program Entrance Requirements: Minimum AA, AS or AAS degree or 60 completed semester credit hours (from a Regionally Accredited Institution) and 2.0 out of 4.0 GPA in all previous post-secondary work. Students with an Associate in Arts degree or 60 credit hours but not holding a degree may be admitted to the program if the AS General Education requirements have been satisfied and other criteria are met upon the recommendation of the Dean.

Program Description: The Bachelor of Applied Science Degree in Technology Management provides individuals who hold an Associate of Science (AS) or an Associate in Applied Science (AAS) degree the opportunity to further their education. Students completing this program will have the skills and knowledge required to become successful Technology Managers and Leaders within public, private, and non-profit organizations. The curriculum offers a learner-centered and practical approach to understanding Technology Management with a focus on data and project management.

Special Admissions Requirement for BAS Program: A supplemental application will need to be completed and can be found here www.broward.edu/admissions/Pages/BachelorProgram.aspx

Related Industry Certifications: CompTIA Project+, PMI Project Management Professional (PMP) or Certified Associate Project Manager (CAPM), CompTIA Cloud+

Foreign Language Requirement: Students must successfully complete the foreign language requirement as prescribed in college policy and the college catalog.

Contact information: Program contact information can be found at www.broward.edu/academics/programs/Pages/science-technology-math-engineering-STEM.aspx

Build Your Education

Associate of Science → *Bachelor of Applied Science T200*

Recommended Course Sequence for A.S. Graduates

Full Time	Part Time	Course ID	Description	Credits
Term 1	*Term 1*	*CIS1513C*	*Project Management*	3
		MAN3240	*Applied Organizational Behavior*	3
	Term 2	*ISM3013C*	*Information Systems Management*	3
		ENC1102	*English Composition II (Recommended)*	3
Term 2	*Term 3*	*ISM 3314C*	*Applied Project Management*	3
		OCE1001	*Oceanography (Recommended)*	3
		OCE1001L	*Oceanography Lab (Recommended)*	1
	Term 4	*MAN3310*	*Human Resource Management*	3
		HLP1081	*Total Wellness (Recommended)*	2
Term 3	*Term 5*	*MAN3303*	*Management and Leadership*	3
		CGS1510C	*Electronic Spreadsheets*	3
Term 4	*Term 6*	*CTS1145C*	*Cloud Essentials and Storage+*	3
		ISM4220C	*Data Communications*	3
	Term 7	*CIS3347C*	*Information Storage and Management*	3
		THE2000 or ARH2000	*Theatre Appreciation or Art Appreciation (Recommended Classes)*	3
Term 5	*Term 8*	*ISM3545C*	*Data Analytics Technologies*	3
		ISM4930C	*Agile Project Management*	3
	Term 9	*ISM4547C*	*Data Analytics Management*	3
		STA2030 or MGF1107	*Statistics (Recommended) or Survey of Mathematics*	3
Term 6	*Term 10*	*SYG2000 or PSY2012*	*Principles of General Sociology or General Psychology (Recommended Classes)*	3
		ISM4881C or ISM4940	*Tech Management Capstone or Tech Management Internship*	3
Total Program Credit Hours				**60**

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

General Education Courses will vary based on a student's transcript. Total General Education credits must total 36.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

Build Your Education

Recommended Course Sequence for A.A. Graduates

Full Time	Part Time	Course ID	Description	Credits	TC
Term 1	Term 1	CIS1001C	Fundamentals of IT (Recommended Elective)	3	
		CTS1133C	A+ Essentials (Recommended Elective)	3	
	Term 2	CTS2131C	A+ Practical (Recommended Elective)	3	
		CIS1513C	Project Management	3	X
Term 2	Term 3	ISM 3314C	Applied Project Management	3	X
		CTS1134C	Network+ (Recommended Elective)	3	X
	Term 4	ISM3013C	Information Systems Management	3	X
		CTS1145C	Cloud Essentials and Storage+	3	
Term 3	Term 5	MAN3240	Applied Organizational Behavior	3	
		CGS1510C	Electronic Spreadsheets	3	
Term 4	Term 6	MAN3310	Human Resource Management	3	
		ISM3201C	Database Management (Recommended Elective)	3	X
	Term 7	ISM3057C	Web Sys. & Technologies (Recommended Elective)	3	X
		CIS3347C	Information Storage and Management	3	
Term 5	Term 8	ISM4220C	Data Communications	3	ATC
		MAN3303	Management and Leadership	3	
	Term 9	ISM3545C	Data Analytics Technologies	3	
		ISM4930C	Agile Project Management	3	
Term 6	Term 10	ISM4547C	Data Analytics Management	3	
		ISM4881C or ISM4940	Tech Management Capstone or Tech Management Internship	3	
Total Program Credit Hours				60	21

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

**** For AA students, a Technical Certificate and Advanced Technical Certificate may be earned if a student completes the Recommended Electives (ISM4220C will substitute for CNT3504C).***

General Education Courses will vary based on a student's transcript. Total General Education credits must total 36.

This is only a recommended course sequence. Students are strongly encouraged to meet with an advisor to create a personalized educational plan.

CHOOSE YOUR COURSES

Program Description: The Bachelor of Applied Science Degree in Information Technology provides individuals who hold an Associate in Science (AS) or Associate in Applied Science (AAS) degrees the opportunity to further their education. Students completing this program will have the skills and knowledge required to become successful Information Technology professionals and leaders. The curriculum offers a learner-centered and practical approach to understanding and applying Computer Information Technology.

Career Pathway: Science, Technology, Engineering & Math (STEM)

Program Entrance Requirements: Minimum AA, AS or AAS degree or 60 completed semester credit hours (from a Regionally Accredited Institution) and 2.0 out of 4.0 GPA in all previous post-secondary work. Students with an Associate in Arts degree or 60 credit hours but not holding a degree may be admitted to the program if the AS General Education requirements have been satisfied and other criteria are met upon the recommendation of the Associate Dean or Dean.

Applicants are also required to have earned a minimum of 15 lower-level CS/IT credits from the following courses: CIS1001C, CTS1133C, CTS2131C, CTS1134C or CET1600C, and CIS1513C.
Students without these pre-requisites are encouraged to complete them by enrolling in the Information Technology Support Specialist Technical Certificate (Program Code 6337). Students with alternate but related coursework may have the pre-requisites satisfied upon the recommendation of the Associate Dean or Dean.

Additional Program Information: This program is available to students in a face-to-face format, online format, and a highly accelerated online competency-based format. Some classes may also be available in a blended/hybrid format. Students can complete their courses using one modality (face-to-face, online, competency-based) or a combination of modalities—hybrid format.

Students possessing prior real-world experience and/or industry certification(s) may be eligible to accelerate completion through Prior Learning Assessments (PLA), and articulated certification transfer.

Special Admissions Requirement for BAS Program: A supplemental application will need to be completed and can be found here www.broward.edu/admissions/Pages/BachelorProgram.aspx

Related Industry Certifications: N/A

Foreign Language Requirement: Students must successfully complete the foreign language requirement as prescribed in college policy and the college catalog.

Location(s): General Education and core courses can be completed at any BC major Campus, specialization program courses are offered at the Central Campus, North Campus and Online Campus. Please consult the course schedule for specific semester locations.

Contact information: Program contact information can be found at www.broward.edu/academics/programs/Pages/science-technology-math-engineering-STEM.aspx

General Education Credit Hours		**18**			
Communication		3	Social/Behavioral Science		3
Humanities		3	Wellness		2
Biological/Physical Science		3	Mathematics		3
Biological/Physical Science Lab		1			
Core Requirement Credit Hours		**15**	CNT3504C	Networking	3
ISM3013C	Information Systems Management	3	ISM3057C	Web Systems and Technologies	3
ISM3201C	Database Management	3	ISM3314C	Applied Project Management	3

Choose One Specialization **27**

Cloud and Virtualization Specialization **27**

CTS1145C	Cloud Essentials and Storage+	3*
CTS2375C	Cloud+	3*
CNT3014C	Enterprise Systems Integration	3
CTS2120C	Security+	3*
CNT3721C	Virtualization Concepts and Implementation	3*
CIS3347C	Information Storage and Management	3
CTS4375C	Advanced Cloud Infrastructure and Services	3
CNT4422C	Cloud Security (CCSP)	3
CIS4932C	Cloud and Virtualization Capstone	**or**
CIS4942	Cloud and Virtualization Internship	3

Cybersecurity Specialization **27**

CTS2120C	Security +	3*
CET2688C	System Security Practitioner (SSCP)	3*
CNT3014C	Enterprise Systems Integration	3
CNT3721C	Virtualization Concepts and Implementation	3
CTS3127C	CISSP	3
ISM4480C	Secure Electronic Commerce	3
CTS1145C	Cloud Essentials and Storage+	3*
CNT4422C	Cloud Security (CCSP)	3
CIS4931	Cybersecurity Capstone	**or**
CIS4941	Cybersecurity Internship	3

Network Administration - MCSE Specialization 27

CTS1390C	Installing & Configuring Windows Server	3
CTS1391C	Administering Windows Server	3
CTS1392C	Configuring Adv. Windows Server Services	3
CTS3360C	SCCM	3
CTS3393C	Designing & Implementing Server Infrastructure	3
CTS3394C	Implementing Adv. Server Infrastructure	3
CTS4395C	Implementing a Desktop Infrastructure	3
CTS4396C	Implementing Desktop App Environments	3
CTS4339C	Microsoft Exchange Server	3

Network Infrastructure – CCNP Specialization 27

CET3660C	Cisco CCNA Security	3
CNT3721C	Virtualization Concepts & Implementation	3
CET1610C	Cisco Networking II	3
CET1615C	Cisco Networking III	3
CET1620C	Cisco Networking IV	3
CTS4932C	Networking Capstone	**or**
CTS4942	Networking Internship	3
CTS3660C	CCNP Routing	3
CTS4627C	CCNP Switching	3
CTS4628C	CCNP Troubleshooting	3

Project Management Specialization **27**

ACG2001	Principles of Accounting I	3*
ACG2011	Principles of Accounting II	3*
BUL3130	Business Law and Ethics	3
CIS4518C	PM Quality, Acquisitions And Risk	3
FIN3400	Principles of Financial Management	3
ISM4311C	Project Management Capstone	**or**
ISM4940	Project Management Internship	3
ISM4930C	Agile Project Management	3
MAN3240	Human Resource Management	3
MAN3310	Virtualization Concepts & Implementation	3

Total Program Credit Hours 120

As part of the Associate of Science degree program outlined above, students will earn the following Technical Certificates:

Information Technology Advanced Technical Certificate
Program Code 4283

Certificate Credit Hours		**21**
CTS1134C	Network+	3
CIS1513C	Project Management	3
ISM3013C	Information Systems Management	3
ISM3201C	Database Management	3
CNT3504C	Networking	3
ISM3057C	Web Systems and Technologies	3
ISM3314C	Applied Project Management	3

Cloud and Virtualization Advanced Technical Certificate Program Code 4284

Certificate Credit Hours		**30**
CTS1134C	Network+	3
CNT3504C	Networking	3
CTS1145C	Cloud Essentials and Storage+	3*
CTS2375C	Cloud+	3*
CTS2120C	Security+	3*
CNT3721C	Virtualization Concepts & Implementation	3*
CIS3347C	Information Storage and Management	3
CTS4375C	Advanced Cloud Infrastructure & Services	3
CNT4422C	Cloud Security (CCSP)	3
CNT3014C	Enterprise Systems Integration	3

Cybersecurity Advanced Technical Certificate
Program Code 4285

Certificate Credit Hours		**33**
CET1600C	Cisco Networking I	**or**
CTS1134C	Network+	3
CNT3504C	Networking	3
CTS1111C	Linux+	**or**
ELECTIVE	Any ISM, CIS, CTS, or CNT Course	3
CTS2120C	Security+	3
CET2688C	System Security Practitioner (SSCP)	3
CNT3014C	Enterprise Systems Integration	3
CNT3721C	Virtualization Concepts and Implementation	3
CTS3127C	CISSP	3
ISM4480C	Secure Electronic Commerce	3
CTS1145C	Cloud Essentials and Storage+	3
CNT4422C	Cloud Security (CCSP)	3

Network Administration - MCSE Advanced Technical Certificate
Program Code 4286

Certificate Credit Hours		**33**
CET1600C	Cisco Networking I	**or**
CTS1134C	Network+	3
CNT3504C	Networking	3
CTS1390C	Installing & Configuring Windows Server	3
CTS1391C	Administering Windows Server	3
CTS1392C	Configuring Adv. Windows Server Services	3
CTS3360C	System Center Configuration Manager	3
CTS3393C	Designing & Implementing Svr. Infrastructure	3
CTS3394C	Implementing Adv. Server Infrastructure	3
CTS4395C	Implementing a Desktop Infrastructure	3
CTS4396C	Implementing Desktop App Environments	3
CTS4339C	Microsoft Exchange Server	3

Network Infrastructure - CCNP Advanced Technical Certificate
Program Code 4287

Certificate Credit Hours		**30**			
CET1600C	Cisco Networking I	3	CET1620C	Cisco Networking III	3
CNT3504C	Networking	3	CET3660C	Cisco CCNA Security	3
CNT3721C	Virtualization Concepts & Implementation	3	CTS3660C	CCNP Routing	3
			CTS4627C	CCNP Switching	3
CET1610C	Cisco Networking II	3	CTS4628C	CCNP Troubleshooting	3
CET1615C	Cisco Networking II	3			

Project Management - Advanced Technical Certificate
Program Code 4289

Certificate Credit Hours		**30**			
ACG2001	Principles of Accounting I	3*	CIS1513C	Project Management	3
			CTS2148C	Project+	**or**
ACG2011	Principles of Accounting II	3*	ISM3013C	Information Systems Management	3
			ISM3314C	Applied Project Management	3
FIN3400	Principles of Financial Management	3	CIS4518C	PM Quality, Acquisitions and Risk	3
			ISM4930C	Agile Project Management	3
MAN3240	Organizational Behavior & Leadership	3	ISM4311C	Project Management Capstone	3

Notes: Some courses have specific pre-requisite and co-requisite requirements that must be followed. Students should consult the Course Information Table for a detailed list of all requisite requirements. Students should complete all Core Computing Requirements before enrolling in Specialization courses.

*AA/AS students who have completed these lower-level courses as part of their initial 60 credits, may take any non- required program course(s) as electives

General Education and Lower Division Elective Courses will vary based on a student's transfer courses.

Students are strongly encouraged to meet with a BAS advisor to create an educational plan.

Bachelor of Science in Environmental Science
Program Code S600

Program Description: The Bachelor of Science (BS) in environmental science is designed for students that wish to pursue a career as a laboratory/field technician and/or progress to a graduate degree program (MS or PhD). The curriculum will provide the students with a foundational understanding of science, critical thinking skills, experiential learning, ethics and specific technical knowledge and skills required to work in the laboratory or the field. The Biosecurity track focuses on ecology, entomology, plant science, genetics and other aspects of environmental science. An optional Advanced Technical Certificate in Geographic Information Systems (GIS) provides additional discipline skills and knowledge that will make them competitive for employment within the environmental and biological science workforce.

Career Pathway: Science, Technology, Engineering, and Math (STEM)

Program Entrance Requirements: Entry requires completion of an AA/AS degree or transfer of 60+ credits (including general education) from another accredited institution. Applicants must have:

- a cumulative grade point average of 2.5 on a 4.0 scale
- submit a letter of recommendation
- submit all transcripts from previous institutions
- be approved by the Environmental Science department.
- Completed the following courses with a C or higher:
    - BSC2010, Introduction to Biology I
    - BSC2010L, Introduction to Biology I Lab
    - Chemistry
        - CHM1045
    - Chemistry lab
        - CHM1045L
    - (Biosecurity Concentration)2000+ level biology with lab
        - BSC2011 or ZOO2010 or BOT2010 or MCB2010 or ORH2527
    - (Physical Science Concentration) ESC 1000 or GLY2010 or PSC 1121 (all with lab)
    - Statistics (STA2023) must be completed prior to entry or during the first year of baccalaureate study

Additional Program Information: This program collaborates with the University of Florida Ft. Lauderdale REC. Electives and certain courses will be taken as a transient student through UF. Completion of the degree requires BSC4911 (senior research) /BSC4948 (Senior Internship) for Biosecurity concentration or PSC4912 (senior research) /PSC4948 (Senior Internship) for Physical Science concentration.

Related Industry Certifications: N/A

Foreign Language Requirement: Students must successfully complete the foreign language requirement as prescribed in college policy and the college catalog.

Location(s): General Education courses can be taken at any college location. Some program specific courses may only be available at the a. Hugh Adams Central Campus. Please consult the course schedule for specific semester locations.

Contact information: Program contact information can be found at www.broward.edu/academics/programs/Pages/science-technology-math-engineering-STEM.aspx

Bachelor of Science in Environmental Science
Program Code S600

Required Courses (Physical Science concentration)

GLY4825	Hydrogeology	3	PCB4454C	Biostatistics with Lab	4
GLY4825	Hydrogeology Lab	1	PCB4043	Ecology	3
OCE3008	Advanced Oceanography	3	MET4700	Atmospheric Processes	3
SWS3022	Introduction to Soil Science	3	PSC4912/ BSC 4911	Senior Research	**or**
BSC4846	Scientific Communication	3	PSC/BSC4948	Senior Internship	3
GLY4746	Global Environmental Change	3	GIS Courses		6
GLY4203	Environmental Geology and Lithospheric processes	3	Electives		19
GLY4731	Coastal and Marine Science	3			

Recommended Course Sequencing (Physical Science Concentration)

First Year Term I

GIS Course*		3
GIS Course*		3
GLY4825	Hydrogeology	3
GLY4825L	Hydrogeology Lab	1
OCE3008	Advanced Oceanography	3
Electives		3
	Total Term Credit Hours	**16**

First Year Term II

BSC4846	Scientific Communication	3
SWS3022	Introduction to Soil Science	3
Electives**		8
	Total Term Credit Hours	**14**

Second Year Term I

GLY4746	Global Environmental Change	3
GLY4731	Coastal and Marine Science	3
PCB4043	Ecology	3
PCB4454C	Biostatistics with Lab	4
Elective**		4
	Total Term Credit Hours	**17**

Second Year Term II

GLY4203	Environmental Geology	3
PCB4454C	Biostatistics with Lab	4
PSC4911	Senior Research	**or**
PSC4948	Senior Internship	3
MET4700	Atmospheric Processes	3
Electives**		1
	Total Term Credit Hours	**13**
	Total Upper Division Credit Hours	**60**

Bachelor of Science in Environmental Science
Program Code S600

Required Courses (Biosecurity Track)

BSC4846	Scientific Communication	3	PCB4454C	Biostatistics with Lab	4
ENY3005	Principles of Entomology	2	ALS4163	Challenges in Plant Resource Protection	3
ENY3005L	Principle of Entomology Lab	1	PLP3002C	Fundamentals of Plant Pathology	**or**
ENY4161	Insect Classification	3	ZOO 4234	Parasitology	3
PCB4043	Ecology	3	BSC4911	Senior Research	**or**
PCB3063	Genetics	3	BSC4948	Senior Internship	3
PCB3063	Genetics Lab	1	GIS Courses		6
PCB3023	Molecular and Cellular Biology	3	Electives		13
SWS3022	Introduction to Soil Science	3			
GLY4746	Global Environmental Change	3			

Recommended Course Sequencing

Biosecurity Concentration

First Year Term I

BSC4846	Scientific Communication	3
ENY3005	Principles of Entomology	2
ENY3005L	Principle of Entomology Lab	1
ENY4161	Insect Classification	3
PCB4043	Ecology	3
PCB3063	Genetics	3
PCB3063L	Genetics Lab	1
	Total Term Credit Hours	**16**

First Year Term II

PCB3023	Molecular and Cellular Biology	3
SWS3022	Introduction to Soil Science	3
GIS 1040c	Introduction to GIS I	3
GIS 1042c	Introduction to GIS II	3
Elective**		3
	Total Term Credit Hours	**15**

Second Year Term I

GLY4746	Global Environmental Change	3
PCB4454C	Biostatistics with Lab	4
ALS4163	Challenges in Plant Resource Protection	3
PLP3002C	Plant Pathology or Parasitology	3
	Total Term Credit Hours	**13**

Bachelor of Science in Environmental Science
Program Code S600

Second Year Term II

BSC4911	Senior Research	**or**
BSC4948	Senior Internship	3
Electives**		13
	Total Term Credit Hours	**16**
	Total Upper Division Credit Hours	**60**

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

**Elective Course options – ALS4161, ALS4162, AOM4643, BCH3033, BSC2011, BSC2011L, BOT2010, BOT2010L, CHM1046, CHM1046L, CHM2210, CHM2210L, CHM2211, CHM2211L, ENY3225, ENY3222, ENY3510c, ENY3228, ENY4210, ENY4592, ENY4660, ENY 4660L, ENY4905, EVR 1263, EVR 1858, EVR 2930, FNR4660C, GIS1030, GIS1047C, MAC1114, MAC1140, MAC1147, MAC2233, MAC2311, MAC2312, MAC2313, MAC2104, MAP2302, MCB2010, MCB2010L, ORH 2527, ORH3513, ORH4256, PCB3401c, PCB4303, PCB 4341c, SWS2242c, SWS3022L, SWS4223, SWS4116, SWS4223, ZOO2010, ZOO2010L

General Education Courses will vary based on a student's transcript.

Students are strongly encouraged to meet with an advisor to create an educational plan.

COURSE DESCRIPTIONS

BROWARD COLLEGE
www.broward.edu

2017-2018
COLLEGE CATALOG

Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and by participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

Example of Course Identifier

Prefix	**Level Code** (first digit)	**Century Digit** (second digit)	**Decade Digit** (third digit)	**Unit Digit** (fourth digit)	**Lab Code**
ENC	**1**	**1**	**0**	**1**	
English Composition	Lower (Freshman) Level at this institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in *Exceptions to the General Rule for Equivalency*.

For example, a freshman composition skills course is offered by 84 different public and nonpublic postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101.

Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. **NOTE**: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

> Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be

limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the _900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses, and Dissertations.
D. Applied academics for adult education courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to Broward College's Office of Curriculum Services at 954-201-7519 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at (850) 245-0427 or at http://scns.fldoe.org.

ACG1003 Accounting Survey **Credit Hours: 3**
Instruction in standard bookkeeping procedures for small professional, service, and retail sole proprietorships. Attention is given to journalizing, posting, preparing the trial balance and financial statements. Procedures for handling petty cash, bank deposits and withdrawals, payroll business tax reports, and special journals are included. This course is primarily for the non-accounting major.

ACG2001 Principles of Accounting I **Credit Hours: 3**
This course provides an introductory study of the fundamental principles of recording, summarizing and reporting the financial activities of proprietorships.

ACG2011 Principles of Accounting II **Credit Hours: 3**
As the second course of the financial accounting series, this course concludes the study of financial accounting. Topics covered include plant assets, current liabilities, payroll, corporations, partnerships, and cash flow statements.

ACG2071 Managerial Accounting **Credit Hours: 3**
As the last course of the series, this course concludes the study of manufacturing accounting and managerial accounting. Topics covered include financial statement analysis, job order costing, the process cost system, cost behavior, cost-volume-profit analysis, budgeting, profit analysis, responsibility accounting, differential analysis, capital investment analysis and decision-making under uncertainty.

ACG2100 Intermediate Accounting I **Credit Hours: 3**
This course provides a systematic and in-depth study of the financial statements and underlying records. Special attention is given to the elements composing working capital, investments, and plants assets.

ACG2110 Intermediate Accounting II **Credit Hours: 3**
As the second course of the series, this course continues an in-depth study of financial statements and underlying records. The elements that comprise the equity side of the balance sheet are emphasized with additional attention given to special problems in income determination and financial reporting.

ACG2450C Computerized Accounting Applications **Credit Hours: 3**
This course is designed to teach the students how to accomplish common accounting functions with basic accounting software in order to set up, maintain, and establish defaults for chart of accounts, vendors, customers, inventory items, jobs, and employees.

AER1070C Dealer Policy & Procedures **Credit Hours: 2**
Course designed to expose the student to back office operations, policy, procedures, and protocol.

AER1081C Introduction to Automotive Technology **Credit Hours: 4**
A course designed to introduce the field of Automotive Service. Topics include auto service careers, shop safety, fuels, lubricants, fasteners, tools and equipment. An introduction to the major automobile systems and instruction in minor service procedures are provided.

AER1082C Intro to GM Automotive Technology **Credit Hours: 4**
This course is designed to introduce the student to the various gm systems of the automobile. It will include instruction in shop practices, safety, service manuals, pay structures, tools, warranties, and personal relationships necessary to succeed in the GM dealership. The student will learn minor repair procedures including lubrication, wheel and tire, exhaust system service and new car pre-delivery service.

AER1197C GM Automotive Engine Repair **Credit Hours: 4**
This course is a study of the principles of operation and problem diagnoses of the internal combustion engine. The theory of operation of the various engines is presented. Engines will be properly disassembled, parts identified,

inspected, measured, and reassembled. Proper testing and break-in procedures along with approved diagnostic troubleshooting procedures will be emphasized.

AER1198C Automotive Engine Repair **Credit Hours: 4**
A course designed to teach the principles and procedures necessary to completely rebuild an automotive engine and to provide the practical experience in the engine diagnosis, removal, disassembly, rebuilding, and dynamic check out. Topics include engine diagnosis; engine removal; engine disassembly; engine rebuilding; piston, pin and rod service; engine assembly; engine installation; valve adjustment; tune ups; and road test procedures. Special emphasis will be given to safety procedures and the specific tools, fasteners, and equipment to be used.

AER1396C GM Manual Drive Train & Axles **Credit Hours: 4**
A course designed to teach the principles and operations of manual transmissions and transaxles, clutches, overdrive units, pressure plates, propeller shafts, differentials, and drive axles and to provide practical experience in diagnosing, removing, maintaining, and repairing transmissions and drive systems. Topics include manual transmissions, overdrive systems, drive lines, differentials, and axles. Applications include front wheel drive, rear wheel drive, 4- wheel drive and all-wheel drive. Special emphasis will be given to safety procedures, and the specific tools and instruments to be used.

AER1496C GM Steering & Suspension Systems **Credit Hours: 4**
The student will develop the knowledge and skills related to the operation and function of GM steering and suspension systems alignment, testing, diagnosis and repair of modern GM vehicle systems will be emphasized. GM courses related to steering and suspension systems will be included in the curriculum. These are subject to change as new courses replace outdated and obsolete courses. Special emphasis will be given to safety procedures and the specific tools and instruments to be used.

AER1594C GM Brake Systems & Chassis Repair **Credit Hours: 4**
This course is a study of the theory and operation of GM brake systems. Students will learn all aspects of the diagnosis, repair and testing of GM brake systems including drum and disc brakes and power brake operation and repair. GM courses related to brake systems will be included in the curriculum. These are subject to change as new courses replace outdated and obsolete courses. Special emphasis will be given to safety procedures, and specific tools, and equipment to be used.

AER1690C GM Electrical Systems **Credit Hours: 4**
A course designed to teach the principles and operations of the basic electrical systems found in automotive equipment and to provide practical experience in the service and repair of or adjustment to these systems. Topics include batteries, starters, alternators, regulators, ignition systems, chassis electrical circuits, and electrical accessory circuits. Special emphasis will be given to safety procedures and the specific tools and equipment to be used.

AER1694C GM Electronics **Credit Hours: 4**
This course will continue the study of automotive electricity and electronics. Beginning with a review of semiconductor diodes and transistors, and continuing on through digital devices and microprocessors as applied to automotive systems. Emphasis will be placed on theory of operation, testing, and troubleshooting of microprocessor controls and systems.

AER1695C Electronics **Credit Hours: 4**
A course designed to teach the fundamental principles of electronics and to introduce the application of electronics in the modern automobile.

AER1698C Electrical Systems **Credit Hours: 4**
A course designed to teach the principles and operations of the basic electrical systems found in automotive equipment and to provide practical experience in the service and repair of or adjustment to these systems. Topics include batteries,

starters, alternators, regulators, ignition systems, chassis electrical circuits, and electrical accessory circuits. Special emphasis will be given to safety procedures and the specific tools and equipment to be used.

AER2070C Automotive Service Consultant **Credit Hours: 3**

This course will study the principles and procedures involved in operation of an automotive service facility as a service consultant. Communication both in terms of customer relations and internal relations with service facility is discussed. In addition, computerized databases, written communication with respect to estimates, repair orders, and invoices is covered as well as communication with customers by telephone. Service/Maintenance intervals, warranty, service contracts, service bulletins, and campaign recalls relative to the vehicle identified is explained. Sales skills relative to service needs and shop operations relative to efficient workflow and industry procedures are presented. This course is intended for individuals that have either completed an Automotive Program at an accredited college or are working as a technician in a dealership. Approval by the Associate Dean of Automotive Technology is required.

AER2291C GM Automatic Transmissions & Transaxles **Credit Hours: 4**

A course designed to teach the principles and operations of automatic transmissions and transaxles, and to provide practical experience in diagnosing, removing, maintaining, and repairing automatic transmissions and transaxles. Applications include front wheel drive, rear wheel drive, 4-wheel drive and all-wheel drive. Special emphasis will be given to safety procedures, and the specific tools and instruments to be used.

AER2298C Automatic Transmissions & Transaxles **Credit Hours: 4**

A course designed to teach the principles, operations, diagnosis and repair of automatic transmissions and transaxles. Special emphasis will be given to safety procedures and the specific tools and instruments used.

AER2398C Manual Drive Train & Axles **Credit Hours: 4**

A course designed to teach the principles, operations, diagnosis and repair of manual transmissions and transaxles, drive shafts, axles, clutches and four-wheel drive systems. Special emphasis will be given to safety and the specific tools and instruments to be used.

AER2498C Steering & Suspension Systems **Credit Hours: 4**

A course designed to teach the principles of steering systems, suspension systems, and wheel alignment and to provide practical experience in repairing automobile suspension and steering systems, aligning front ends and balancing tires. Topics include wheel balancing, suspension systems, suspension angle and lines, wheel alignment, standard steering gears, power steering systems and frames. Special emphasis will be given to safety procedures, and the specific tools and instruments to be used.

AER2598C Brake Systems & Chassis Repair **Credit Hours: 4**

A course to teach the principles and operations of brake systems including disc systems, split systems, hydraulic cylinders, valving systems, traction control systems, and to provide practical experience in the repair of these systems. Topics include basic brake theory, drum brake systems, split systems, disc brake systems, hydraulic cylinders, machining and measuring techniques, power boosters, and road tests procedures. Special emphasis will be given to safety procedures and specific tools and equipment to be used.

AER2758C Heating & Air Conditioning Theory **Credit Hours: 4**

A course designed to teach the principles and operations of automotive heating systems, air conditioning systems and accessories, to provide practical experience in testing, analyzing, installing and repairing heating systems, air conditioning systems, air conditioning tools and equipment, lines, fittings, and valves, operational checks and adjustment, minor repairs, and the special tools and instruments to be used.

AER2798C GM Heating & Air Conditioning Theory **Credit Hours: 4**

A course designed to teach the principles and operations of automotive heating systems, air conditioning systems and accessories, to provide practical experience in testing, analyzing, installing and repairing heating systems, air

conditioning systems, air conditioning tools and equipment, lines, fittings, and valves, operational checks and adjustment, minor repairs, and the special tools and instruments to be used.

AER2895C Advanced Engine Performance **Credit Hours: 4**
A course designed to teach the latest in computer engine controls, electronic fuel injection systems, emission controls and electronic instrumentation systems. This course includes theory of operation and construction, troubleshooting and repair.

AER2896C GM Engine Performance **Credit Hours: 4**
This course is designed to teach entry level skills in intake and exhaust systems, fuel systems, carburetors, and emission control systems. In addition, students will include industry specific instruction for fuel injection diagnoses and on board diagnostics will be covered.

AER2898C Engine Performance **Credit Hours: 4**
A course designed to teach the principles and procedures of engine tune up and repair, and emission control systems.

AER2899C GM Advanced Engine Performance **Credit Hours: 4**
This course is designed to teach job entry skills in the diagnosis and repair of drivability problems. Topics covered include engine performance and electrical and computer system operations. Emphasis is placed on manufacturer's diagnostic charts and diagnostic equipment. Use of scanners on both carburetor and fuel injected vehicles will be addressed. In addition, GM-ASEP students will receive GM specific instruction based on GM-STG course number 16003.01 engine performance.

AER2949 Co Op Work Experience **Credit Hours: 3**
On the job training at an automobile dealership. Each of the eight week apprentice work experiences will cover one term and includes a work week from 32 to 40 hours in a supervised program at the dealership.

AER2951 GM Internship I **Credit Hours: 3**
This course is a companion to electrical systems I, and air conditioning and heating. In order to meet the state of Florida, N.A.T.E.F. and general motors ASEP standards, interns must complete 100 hours on-the-job learning experience in electrical systems and 100 hours on-the-job learning experience in heating and a/c related repair. While working under the mentorship of an experienced technician, students must document the required hours and master the student performance standards.

AER2952 GM Internship II **Credit Hours: 3**
This course is a companion to steering and suspension and brake systems. In order to meet the state of Florida, N.A.T.E.F., and general motors ASEP standards, interns must complete 100 hours on-the-job learning experience in steering and suspension repairs, and 100 hours on-the-job learning experience in brake systems related repair. While working under the mentorship of an experienced technician, students must document the required hours and master the student performance standards.

AER2953 GM Internship III **Credit Hours: 3**
This course is a companion to automotive electrical and electronics and advanced engine performance. In order to meet the state of Florida, N.A.T.E.F., and general motors ASEP standards interns must complete 100 hours on-the- job learning experience in electrical repairs, number 14.0-14.47 and 100 hours on-the-job learning experience in advanced engine performance related repair, task number 16.00-16.43. While working under the mentorship of an experienced technician, students must document the required hours and master the students' performance standards.

AER2954 GM Internship IV **Credit Hours: 3**
This course is a companion to engines transmissions in order to meet the state of Florida, N.A.T.E.F., and general motors ASEP standard interns must complete 100 hours on-the-job learning experience in engine repairs, number 09.0-09.61 and 100 hours on-the-job learning experience transmissions related repairs. While working under the

mentorship of an experienced technician, students must document the required hours and master student performance standards.

AFR1101 First Year Air Force ROTC (A) **Credit Hours: 1**
This is a survey course designed to introduce students to the U.S. Air Force Reserve Officer Training Corps. Featured topics include: officership and professionalism, military customs and courtesies, Air Force officer opportunities and an introduction to communication skills. A leadership laboratory includes and provides cadets with leader/follower experiences. Instruction is at the University of Miami campus (PH: 305-284-2870)

AFR1111 First Year Air Force ROTC (B) **Credit Hours: 1**
Continuation of the AFR1101 survey course designed to introduce students to the U.S. Air Force Reserve Officer Training Corps. Featured topics include: Origins of the Air Force, The Air Force Installation and Sister Services. A leadership laboratory is included and provides cadets with leader/follower experiences. Instruction is at the University of Miami campus (PH: 305-284-2870).

AFR2130 Second Year Air Force ROTC (A) **Credit Hours: 1**
This course examines general historical aspects of air and space power. The course covers the time period from the first balloons and dirigibles to the space age. Examples are provided to demonstrate the historical events leading to the modern day Air Force. An additional focus will be on Air Force core values. Past Air Force operations and the acts of historical Air Force leaders will be points of discussion. A leadership laboratory is included and provides cadets with leader/follower experiences. Instruction is at the University of Miami campus (PH: 305-284-2870)

AFR2131 Second Year Air Force ROTC (B) **Credit Hours: 1**
This course continues the historical review of air and space power provided in MIS 2362. The course covers the Vietnam era to the conflicts of today. Historical examples are provided to demonstrate the development of Air Force capabilities and missions. This course provides the student with and understanding of the employment of air and space power. In addition, students will study how to become a more effective communicator. A leadership laboratory is included and provides cadets with leader/follower experiences. Instruction is at the University of Miami campus (PH: 305-284-2870).

ALS4162 Consequences of Biological Invasion **Credit Hours: 3**
Study of U.S. policies and programs affecting agricultural biosecurity, attention is devoted to current agricultural and extension and regulatory programs. Emphasis is on policies and procedures in detecting and reporting non-indigenous species. Students will develop the analytical capabilities to assess the consequences of agricultural biosecurity threats.

ALS4163 Challenges in Plant Resource Protection **Credit Hours: 3**
This course will provide students with applied training in the regulatory aspects of plant protection, using real-world case studies, scenarios and issues.

AMH2010 History of the United States to 1877 **Credit Hours: 3**
This course is a survey of American history from pre-Columbus to 1877 that provides a general history of the political, economic, cultural, and social development of American society. Special emphasis is placed upon the colonial period, the American Revolution, the rise of American Nationalism, the antebellum U.S., the U.S. Civil War, and the Reconstruction period. Students will also study the introductory concepts of history reading, writing, and methods. This is a writing credit course. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

AMH2020 History of the United States Since 1877 **Credit Hours: 3**
This survey course of American history since 1877 provides students with a general history of the political, economic, cultural, and social development of American society. Special emphasis is placed upon U.S. expansion, progressivism, foreign relations, social movements, and political developments at the turn of the twentieth century and beyond.

Students will also study the introductory concepts of history reading, writing, and methods. This is a writing credit course. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

AMH2035 United States History: 1945 to the Present **Credit Hours: 3**
This survey course of the United States since 1945 provides students with a general history of the political, economic, cultural, social, military, and diplomatic development of American society. Special emphasis is placed upon the end of World War II, the politics of the Cold War at home and abroad, the social movements of the postwar era, the changing U.S. economy since 1945, and the post-Cold War domestic and international challenges faced by the nation. Students will also study the introductory concepts of history reading, writing, and methods.

AMH2091 Survey of African American History **Credit Hours: 3**
This a survey course of African American History including the early modern history of Africa, the emergence and evolution of the Atlantic Slave Trade, and the African American experience in the Western Hemisphere from the sixteenth century to the twenty-first century. Emphasis will be placed on the African American's economic, political, and cultural development and their contributions to American society. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

AML2010 American Literature: Colonial to 1900 **Credit Hours: 3**
Students will be introduced to works which represent the diverse literature emerging from America up until 1900. Works may be selected from authors such as Anne Bradstreet, James Fenimore Cooper, Kate Chopin, Emily Dickinson, Frederick Douglass, Ralph Waldo Emerson, Nathaniel Hawthorne, Harriet Jacobs, Thomas Jefferson, Sarah Orne Jewett, Herman Melville, Edgar Allan Poe, Mary Rowlandson, Nat Turner, Mark Twain, and Walt Whitman. This is a writing course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

AML2020 American Literature: 1900 to Present **Credit Hours: 3**
Students will be introduced to works which represent the diverse literature emerging from America since 1900. Texts may be selected from major authors such as Hemingway, Faulkner, Frost, Hughes, Millay, Plath, Ellison, Baldwin, Oates, Angelou, and Roth. Upon successful completion of the course students will understand the significant concepts, contexts, movements, figures, and works of American literature in the 20th and 21st century. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

AML2600 African American Literature **Credit Hours: 3**
Students will be introduced to works that represent diverse African American literature since 1746. Texts may be selected from major authors such as Angelou, Douglass, Hughes, Hurston, King, and Truth. Upon successful completion of the course, students will understand the significant concepts, contexts, movements, figures, and works of African American literature since 1746. This course is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

AML2631 US Hispanic/Latino Literature **Credit Hours: 3**
A broad survey of US Hispanic/Latino Literature covering works from the New World Encounter to present era. Students will analyze texts that may be selected from authors such as Alvar Nunez Cabeza De Vaca, Hernando De Soto, Jose Marti, William Carlos Williams, Santiago Baca, Tato Laviera, Sandra Cisneros, Rudolfo Anaya, Gloria Anzaldua, Reinaldo Arenas, Junot Diaz, Jennine Capo Crucet, among others. This course is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

AMT0010C Aircraft Drawings **Clock Hours: 21.00**
This course covers aircraft drawings, care and use of blueprints, isometrics, orthographic and auxiliary projection lines and section, dimensions, limits, tolerances and allowances, geometric, construction, practical layout work and identification of standard parts and material, use of instruments, drawing and interpretation of free hand sketches of repairs and alterations, and use of various types of charts and graphs.

AMT0020C Weight & Balance **Clock Hours: 32.50**
Familiarizes the student with the importance of weight and balance control, the procedures for weighing an aircraft, the computations necessary to arrive at current and balance data, and the disposition of weight and balance forms and records. The use of loading graphs and charts relating to the aircraft's center of gravity envelope is taught. Student fee charged.

AMT0030C Fluid Lines & Fittings **Clock Hours: 26.25**
Prepares the student to fabricate and install rigid and flexible lines and fittings with regard to bends, tools, and lubricants. Provides training in the area of identification of materials, fittings and routing of fluid lines.

AMT0040C Materials & Processes **Clock Hours: 84.00**
Familiarizes students with the methods used to identify and select aircraft materials and with various heat treating processes. Provides experience in the use of non-destructive methods of inspection and evaluation. Provides instruction in correct shop practices and procedures and the use of special tools. Areas covered are torque values and torquing methods, safety wiring, use of precision measuring equipment, shop safety, and technicians' ethics and legal responsibilities.

AMT0050C Ground Operations & Servicing **Clock Hours: 31.50**
Familiarizes the student with the proper methods of starting ground operating, servicing and securing aircraft.

AMT0060C Cleaning & Corrosion Control **Clock Hours: 26.25**
Provides experience in detecting, identifying, removal, and treatment of the various types of corrosion found on ferrous and non-ferrous metals. The course deals with the types of cleaners and methods of cleaning aircraft and aircraft components.

AMT0070C Applied Mathematics **Clock Hours: 21.00**
Reviews principles of mathematical functions and studies their application to aircraft and Power Plant maintenance operations.

AMT0081C FAR'S, Forms & Privileges **Clock Hours: 42.00**
Familiarizes the student with FAA regulations, advisory circulars, and other government and industry publications, proper terminology and procedures for the execution of log books and major repair and alteration forms, and privileges and limitations as they apply to the certified mechanic.

AMT0090C Basic Physics **Clock Hours: 26.25**
Provides an understanding of energy and matter and how their relationships apply to aircraft maintenance.

AMT0091C Basic Electricity **Clock Hours: 89.25**
The study of laws and theory of electricity and its application to aircraft systems, components, and circuits, to include practical knowledge of the different types of complex circuitry found in modern aircraft.

AMT0110C Aircraft Wood Structures **Clock Hours: 11.00**
Aircraft wood structures are covered in this section and familiarizes the student with the different types of wood used in aircraft structures as well as methods of repair to wood structures.

AMT0115C Aircraft Coverings **Clock Hours: 12.00**
Student will gain knowledge and skills to inspect, test, and repair fabric-covering materials. The student will be able to select and apply all types of fabric covering, including the synthetics types, and use of proper materials to finish the material.

AMT0120C Aircraft Finishes **Clock Hours: 30.00**
Student will acquire the ability to properly use a paint spray gun to apply various types of finishes on a variety of surfaces. The student will be able to apply trim lines and aircraft identification number, touch up paint defects, and identify and select aircraft finishing materials.

AMT0130C Sheet Metal Structures **Clock Hours: 157.00**
Student is provided with knowledge and skills needed to inspect, maintain, and repair sheet metal structures and components. The course provides the student an introduction to fiberglass, composite and other type non-metallic structural materials and methods of construction using these materials.

AMT0140C Aircraft Welding **Clock Hours: 40.00**
A theory and practice of welding methods used in aircraft construction and repair is thoroughly covered with emphasis on gas welding and advanced work in heli arc welding.

AMT0155C Assembly & Rigging **Clock Hours: 65.00**
Student will explain and compare aircraft design features in subsonic, transonic, and supersonic aircraft. They will be able to assemble and rig various aircraft control systems, analyzing and correcting faulty flight characteristics.

AMT0160C Airframe Inspection **Clock Hours: 20.00**
Students will acquire the knowledge and skills needed to perform a 100 hour inspection of an aircraft. The student will demonstrate knowledge of FARs by checking appropriate A.D.'s classifying repairs, and pinpointing specific service problems. The student will complete the required maintenance forms, records, and inspection reports required by Federal Air Regulations.

AMT0200C Landing Gear Systems **Clock Hours: 85.00**
Student will receive training in the proper methods of inspection, servicing and repair of landing gear retraction systems, shock struts, brakes, wheels, tires and steering systems. Rigging of various types retractable landing gear systems will be covered in detail.

AMT0210C Hydraulic & Pneumatics Systems **Clock Hours: 75.00**
The student will study the theory of operation, maintenance requirements, and adjustments of various hydraulic components and systems. The course will provide the student with the knowledge of pneumatics as used in aircraft operation. The course covers fluid flow, identifies the various actuating units, type of seals, pumps, and differences between hydraulics and pneumatics.

AMT0220C Cabin Atmosphere Control Systems **Clock Hours: 50.00**
This unit covers the various systems used to condition air and cabin pressurization as well as practical experience in inspecting, checking, troubleshooting, and servicing the oxygen system.

AMT0230C Aircraft Instruments Systems **Clock Hours: 25.00**
A basic familiarization of aircraft instruments and their function to include removal, installation, and the installed testing of such instruments.

AMT0240C Communications & Navigation Systems **Clock Hours: 30.00**
This course introduces the student with basic auto pilot operation and familiarizes him/her with the installation requirements and use of the various communication and navigation systems.

AMT0250C Aircraft Fuel Systems **Clock Hours: 40.00**
The student is provided with the knowledge and skills needed to maintain fuel systems and fuel system components. He/she will be able to inspect, check, maintain, and repair aircraft fuel system components, fuel dump systems, fuel management and transfer systems, and perform refueling operations.

AMT0260C Aircraft Electrical Systems **Clock Hours: 100.00**
The types and characteristics of aircraft electrical circuits and components are compared and evaluated. Advanced electrical systems as used in corporate and airline aircraft are studied. The course includes troubleshooting and repairs of AC and DC electrical systems and equipment.

AMT0270C Position & Warning Systems **Clock Hours: 30.00**
This course presents the student with the inspection, servicing and maintaining of position and warming systems. Included in this area are navigation lights, beacons, and lights indicating the position of various aircraft components.

AMT0285C Ice, Rain, & Fire Protection **Clock Hours: 30.00**
Introduces the student to the basics of ice and rain control as it relates to aircraft surfaces, propellers, windshields, and other components. Methods of ice prevention and ice elimination are taught, providing the student with the knowledge and skills needed in the operation, inspection, checking, troubleshooting, and repair of airframe fire detecting and extinguishing systems.

AMT0300C Reciprocating Engines **Clock Hours: 152.25**
The course covers theory and fundamental requirements for aircraft engines, basic parts of internal combustion engines, 2 stroke and 4 stroke cycle, power measurements and calculations, conversion of heat energy into mechanical energy, horsepower, piston displacement, compression ratio, types of horsepower, crankcase assembly, reduction gearing, crankshafts, and rod assemblies, cylinder and piston assemblies, and bearings used in reciprocating engines.

AMT0312C Turbine Engines & Turbine Engines Troubleshooting **Clock Hours: 147.00**
A thorough study of the theory of operation of turbine engines and the function of the related engine components such as compressors, fuel controls, fuel pumps, governors, turbines, etc. Course encounters disassembly, inspection, minimal repairs reassembly test run, and final adjustment.

AMT0320C Engine Inspection **Clock Hours: 32.50**
A course of study which details the correct methods of engine removal and installation, inspection and run up testing, including the final adjustments according to FAA regulations and manufacturer's recommendations.

AMT0400C Engine Instrument Systems **Clock Hours: 31.50**
Students will have a knowledge of operation, installation, marking and interpretation of Power Plant instruments powered by or actuated by non-electrical means. They will be able to install, adjust, and calibrate instruments in accordance with FAA and manufacture's recommendations. This course will provide experience in inspection, checking, servicing, troubleshooting, and repair of engine instrument systems that are electrical in nature.

AMT0410C Engine fire Protection Systems **Clock Hours: 15.75**
To provide the student with the knowledge and skills needed in the operation, inspection, checking, troubleshooting, and repair of engine fire detecting and extinguishing systems.

AMT0420C Engine Electrical Systems & APU'S **Clock Hours: 69.25**
This course provides knowledge and skills necessary to perform electrical repairs, installations, adjustments, and service. The subject area includes alternators, generators, voltage regulation, and paralleling of generators. The student will be introduced to the operational principles of auxiliary power units.

AMT0435C Lubrication Systems **Clock Hours: 42.00**
Provides a comprehensive knowledge of the purpose and function of lubricants and lubrication system for power plants. Gives experience in identifying and selecting lubricants, as well as, inspecting, checking, servicing and troubleshooting repair of the system and components.

AMT0440C Ignition Systems **Clock Hours: 84.00**
Students will have knowledge of the operation, repair, inspection, and service of reciprocating and jet power plant ignition systems. They will be able to overhaul and troubleshoot the various components of each system.

AMT0450C Engine Fuel Systems **Clock Hours: 21.00**
Student is provided with knowledge and skills needed to maintain fuel system components. Student will be able to inspect, maintain, check, and repair engine fuel system components.

AMT0451C Fuel Metering Systems **Clock Hours: 63.00**
Provides the student with the necessary information and practice necessary to inspect, check, service, troubleshoot, and repair reciprocating and turbine fuel metering system. The theory and practical application of carburetion, fuel injection systems, and water injection systems are also learned. Fuel pumps, filters, and strainers are discussed and practical experience is gained in these areas.

AMT0460C Induction Systems **Clock Hours: 26.25**
Gives student the knowledge and experience needed to service and maintain induction systems, superchargers, and exhaust systems. Material covered includes controls, indicators, theory of operation and inspection criteria.

AMT0475C Engine Cooling & Exhaust Systems **Clock Hours: 26.25**
This course provides the student with an understanding of the need for the various types of engine cooling systems. Gives experience in the inspection, checking, servicing, troubleshooting and repairing of engine cooling system. This course will also enable the student to comprehend the function of exhaust systems including turbo charging and thrust reversers. The student will gain experience in inspection, checking, troubleshooting, and repairing various types of exhaust systems.

AMT0490C Propellers & Unducted Fans **Clock Hours: 89.25**
This unit of instruction is designed to cover aircraft engine and turbo prop installations. Areas dealt with are: propeller fundamentals and terminology, synchronizing and ice control systems, identification and selection of propeller lubricants, balancing of propellers, propeller control systems, propeller governing systems, and installation, troubleshooting and removal of propellers. The theory of unducted fans is presented.

AMT1001 Basic Electricity **Credit Hours: 2**
This course is for Inter Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Basic electricity. The study laws and theory of electricity and its application to aircraft systems, components, and circuits, to include practical knowledge of the different types of complex circuitry found in modern aircraft.

AMT1010 Aircraft Drawings **Credit Hours: 1**
This course is for Inter Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. This course covers aircraft drawings, care and use of blueprints, isometrics, orthographic and auxiliary projection lines and sections, dimensions, limits, tolerances and allowances, geometric, construction, practical layout work and identification of standard parts and materials, use of instruments, drawing and interpretation of free hand sketches of repairs and alterations, and use of various types of charts and graphs.

AMT1020 Weight & Balance **Credit Hours: 1**
This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV

FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Familiarizes the student with the importance of weight and balance control, the procedures for weighting an aircraft, the computations necessary to arrive at current and balance data, and the disposition of weight and balance forms and records. The use of loading graphs and charts relating to the aircraft's center gravity envelope is taught.

AMT1030 Fluid Lines & Fittings **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Prepares the student to fabricate and install rigid and flexible lines and fittings with regard to bends, tools, and lubricants. Provides training in the area of identification of materials, fittings and routing of fluid lines.

AMT1040 Materials & Processes **Credit Hours: 2**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Familiarizes students with the methods of inspection and evaluation. Provides instruction in correct shop practices and procedures and the use of special tools. Areas covered are torque values and torquing methods, safety wiring, use of precision measuring equipment, shop safety, and technician's ethics and legal responsibilities.

AMT1050 Ground Operations & Servicing **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Familiarizes the student with the proper methods of starting ground operating servicing and securing aircraft.

AMT1060 Cleaning & Corrosion Control **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Provides experience in detecting, identifying, removal, and treatment of the various types of corrosion found on ferrous and nonferrous metals. The course deals with the types of cleaners and methods of cleaning aircraft and aircraft components.

AMT1070 Applied Mathematics **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Reviews principles of mathematical functions and studies their application to aircraft and Power Plant maintenance operations.

AMT1081 FAR'S Forms & Privileges **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Familiarizes the student with FAA regulations, advisory circulars, and other government and industry publications, proper

terminology and procedures for the execution of log books and major repair and alteration forms, and privileges and limitations as they apply to the certified mechanic.

AMT1090 Basic Physics **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Airframe and Power Plant certification by evaluation of prior learning experience. Provides an understanding of energy and matter and how their relationships apply to aircraft maintenance.

AMT1115 Aircraft Coverings **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. Students will gain knowledge and skills to inspect, test, and repair fabric covering materials. The student will be able to select and apply all types of fabric covering, including the synthetics types, and use of proper materials to finish the material

AMT1120 Aircraft Finishes **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. Students will acquire the ability to properly use a paint spray gun to apply various types of finishes on a variety of surfaces. The student will be able to apply trim lines and aircraft identification number, touch up paint defects, and identify and select aircraft finishing materials.

AMT1130 Sheet Metal Structures **Credit Hours: 4**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. The student is provided with knowledge and skills needed to inspect, maintain, and repair sheet metal structures and components. The course provides the student an introduction to fiberglass, composite and other type non-metallic structural material and methods of construction using these materials.

AMT1140 Aircraft Welding **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or valid FAA Aircraft Airframe certification by evaluation of prior learning experience. A theory and practice of welding methods used in aircraft construction and repair is thoroughly covered with emphasis on gas welding and advanced work in heli arc welding. Laboratory fee is required.

AMT1155 Assembly & Rigging **Credit Hours: 2**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. Students will explain and compare aircraft design features in subsonic, transonic, and supersonic aircraft. They will be able to assemble and rig various aircraft control systems, analyzing and correcting faulty flight characteristics.

AMT1160 Airframe Inspection **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV

FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. Students will acquire the knowledge and skills needed to perform a 100 hour inspection of an aircraft. The student will demonstrate knowledge of FARs by checking appropriate A.D.'s classifying repairs, and pinpointing specific service problems. The student will complete the required maintenance forms, records, and inspection reports required by Federal Air Regulations.

AMT1200 Landing Gear Systems **Credit Hours: 2**
This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. Students will receive training in the proper methods of inspection, servicing and repair of landing gear retraction systems, shock struts, brakes, wheels, tires and steering systems. Rigging of various types of retractable landing gear systems will be covered in detail.

AMT1210 Hydraulic & Pneumatics Systems **Credit Hours: 2**
This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. The student will study the theory of operation, maintenance requirements, and adjustments of various hydraulic components and systems. The course will provide the student with the knowledge of pneumatics as used in aircraft operation. The course covers fluid flow, identifies the various actuating units, types of seals, pumps, and differences between hydraulics and pneumatics.

AMT1220 Cabin Atmosphere Control Systems **Credit Hours: 1**
This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. This unit covers the various systems used to condition air and cabin pressurization as well as practical experience in inspecting, checking, troubleshooting, and servicing the oxygen system. Student fee charged.

AMT1230 Aircraft Instruments Systems **Credit Hours: 1**
This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. A basic familiarization of aircraft instruments and their function to include removal, installation, and the installed testing of such instruments.

AMT1231C Avionics Installation and Troubleshooting I **Credit Hours: 3**
This course is designed as a study of the installation processes of modern avionics systems, such as VHF communications, VHF navigation, ADF, radar, autopilots and others. Students will receive hands-on experience in the installation of avionics systems, fabrication of electrical harnesses, and testing of systems after installation. Students will begin preparation for element 3 of the FCC general radiotelephone operator's license (GRPL) examination.

AMT1240 Communications & Navigation Systems **Credit Hours: 1**
This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 and/or a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. This course introduces the student with basic auto pilot operation and familiarizes him with the installation requirements and use of the various communication and navigation systems.

AMT1250 Aircraft Fuel Systems **Credit Hours: 1**
This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 (and/or) a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. The student is provided with the knowledge and skills needed to maintain fuel systems and

fuel system components. He/she will be able to inspect, check, maintain, and repair aircraft fuel system and repair aircraft fuel system components, fuel dump systems, fuel management and transfer systems, and perform refueling operations.

AMT1260 Aircraft Electrical Systems **Credit Hours: 3**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 (and/or) a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. The types and characteristics of aircraft electrical and components are compared and evaluated. Advanced electrical systems as used in corporate and airline aircraft are studied. The course includes troubleshooting and repairs of AC and DC electrical systems and equipment.

AMT1261C Avionics Line Maintenance Fundamentals **Credit Hours: 3**

The purpose of this program is to prepare students for employment as radio mechanics and as avionics technicians. The course content includes, but is not limited to, troubleshooting, repair and installation of airborne radio communications, radio navigation, and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basics of AM and FM transmitters and receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum.

AMT1270 Position & Warning Systems **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 (and/or) a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. This course presents the student with the inspection, servicing and maintaining of position and warning systems. Included in this area are navigation lights, beacons, and lights indicating the position of various aircraft components.

AMT1285 Ice, Rain, & Fire Protection **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Airframe courses Major Code 5272 (and/or) a valid FAA Aircraft Airframe certification by evaluation of prior learning experience. Introduces the student to the basics of ice and rain control as it relates to aircraft surfaces, propellers, windshields, and other components. Methods of ice prevention and ice elimination are taught, provides the student with the knowledge and skills needed in the operation, inspection, checking, troubleshooting, and repair of airframe fire detecting and extinguishing systems.

AMT2231C Avionics Installation and Troubleshooting II **Credit Hours: 3**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. The course covers theory and fundamental requirements aircraft engines; basic parts of internal combustion engines, 2 stroke and 4 stroke cycle, power measurements and calculations conversion of heat energy into mechanical energy, horsepower, piston displacement, compression ratio, types of horsepower, crankcase assembly reduction gearing, crankshafts and rod assemblies, cylinder and piston assemblies, and bearings used in reciprocating engines.

AMT2261C Avionics Line Maintenance Operations **Credit Hours: 4**

The purpose of this program is to prepare students for employment as radio mechanics and as avionics technicians. The course content includes, but is not limited to, troubleshooting, repair and installation of airborne radio communications, radio navigation, and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basics of AM and FM transmitters and receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum. The course content also includes training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

AMT2300 Reciprocating Engines **Credit Hours: 5**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 and/or a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. The course covers theory and fundamental requirements aircraft engines; basic parts of internal combustion engines, 2 stroke and 4 stroke cycle, power measurements and calculations conversion of heat energy into mechanical energy, horsepower, piston displacement, compression ratio, types of horsepower, crankcase assembly reduction gearing, crankshafts and rod assemblies, cylinder and piston assemblies, and bearings used in reciprocating engines.

AMT2312 Turbine Engines **Credit Hours: 4**

A thorough study of the theory of operation of turbine engines and the function of the related engine components such as compressors, fuel controls, fuel pumps, governors, turbines, etc. Course encounters disassembly, inspection, minimal repairs reassembly test run, and final adjustment.

AMT2320 Engine Inspection **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. A course study which details the correct methods of engine removal and installation, inspection and run up testing, including the final adjustments according to FAA regulations and manufacturer's recommendations.

AMT2400 Engine Instrument Systems **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. Students will have a knowledge of operation, installation, making and interpretation of Power Plant instruments powered by or actuated by non-electrical means. They will be able to install, adjust, and calibrate these instruments in accordance with FAA and manufacture's recommendations. This course will provide experience in inspection checking, servicing, troubleshooting, and repair of engine instrument systems that are electrical in nature.

AMT2410 Engine Fire Protection Systems **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. To provide the student with the knowledge and skills needed in the operation, inspection, checking, troubleshooting, and repair of engine fire detecting and extinguishing systems.

AMT2420 Engine Electrical Systems & APU'S **Credit Hours: 2**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. This course provides knowledge and skills necessary to perform electrical repairs, installations, adjustments, and service. The subject area includes alternators, generators, voltage regulation, and paralleling of generators. The student will be introduced to the operational principles of auxiliary power units.

AMT2435 Lubrication Systems **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. Provides a comprehensive knowledge of the purpose and function of lubricants and lubrication systems for Power Plants. Gives experience in identifying and selecting lubricants, as well as, inspecting, checking, servicing and troubleshooting repair of the system and components.

AMT2440 Ignition Systems **Credit Hours: 2**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. Students will have knowledge of the operation, repair, inspection, and service reciprocating and jet power plant ignition systems. They will be able to overhaul and troubleshoot the various components of each system.

AMT2450 Engine Fuel Systems **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. Student is provided with knowledge and skills needed to maintain fuel system components. Student will be able to inspect, maintain check, and repair engine fuel system components.

AMT2451 Fuel Metering Systems **Credit Hours: 2**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. Provides the student with the necessary information and practice necessary to inspect, check, service, troubleshoot, and repair reciprocating and turbine fuel metering systems. The theory and practical application of carburetion, fuel injection systems, and water injection systems are also learned. Fuel pumps, fitters strainers are discussed and practical experience is gained in these areas.

AMT2460 Induction Systems **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. Gives student the knowledge and experience needed to service and maintain induction systems, superchargers, and exhaust systems. Material covered includes controls, indicators, theory of operation and inspection criteria.

AMT2475 Engine Cooling & Exhaust Systems **Credit Hours: 1**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. This course provides the student with an understanding of the need for the various types of engine cooling systems. Gives experience in the inspection, checking, servicing, troubleshooting and repairing of engine cooling systems. This course will also enable the student to comprehend the function of exhaust systems including turbo charging and thrust reversers. The student will gain experience in inspection, checking, troubleshooting, and repairing various types of exhaust systems. Student fee charged.

AMT2490 Propellers & Unducted Fans **Credit Hours: 2**

This course is for Inter-Institutional Articulation purposes only for Major codes A005 A.A.S. Aviation Maintenance Management and/or Major code 2204 A.S. Aviation Maintenance Management. Articulation of Credits for PSAV FAA Aircraft Power Plant courses Major Code 5273 (and/or) a valid FAA Aircraft Power Plant certification by evaluation of prior learning experience. This unit of instruction is designed to cover aircraft engine and turbo prop installations. Areas dealt with are: propeller fundamentals and terminology, synchronizing and ice control systems, identification and selection of propeller lubricants, balancing of propellers, propeller control systems, propeller governing systems, and installation, troubleshooting and removal of propellers. The theory of unducted fans is presented.

ANT2000 Introduction to Anthropology **Credit Hours: 3**
An introductory study of the biological evolution and cultural development of human customs, social organization, and institutions. The student is introduced to the major fields of study undertaken by anthropologists. This is a writing credit course with international/intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ANT2140 Introduction to Archaeology **Credit Hours: 3**
The study of past cultures and the ongoing record of human history. This course reviews the major techniques and theories used to interpret culture change through time. This is a writing credit course with international/intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ANT2211 Introduction to World Ethnology Peoples of the World **Credit Hours: 3**
A survey of cultures on differing levels of development, focusing upon subsistence, social organization, religion, art, and culture change. This is a writing credit course with international/intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ANT2381 Culture & Society of Spain **Credit Hours: 3**
Spanish culture and society includes a study of Spanish life and character as it manifests itself in history, regional personality, celebrations, music, legendary figures, art and architecture. Special emphasis will be given to the southern part of Spain, Andalusia, which conserves the diverse cultural heritage of Europe, Africa, and the Orient (Near East).

ANT2825 Anthropology Field School **Credit Hours: 3**
This Laboratory course is designed to supplement various topics relative to physical and cultural Anthropology as well as Archaeology. Study is limited to field projects.

ANT2905 Independent Study Anthropology **Credit Hours: 3**
A directed study course available to both majors and non-majors who wish to investigate a particular problem related to the field of Anthropology. The student will apply for the course to the Head of the Behavioral Sciences Department via an Instructor with whom the student wants to work.

APA1111C Introduction to Accounting **Credit Hours: 3**
This course provides instruction in standard bookkeeping procedures for small professional, service, and retail sole proprietorships. This course focuses on understanding the accounting equation, preparing basic financial statements, cash management, payroll, and inventory management. This course is primarily for the non-accounting major.

ARC1056C Digital Media **Credit Hours: 2**
Course provides working knowledge of current computer aided design software related to architecture and building construction. Laboratory work concentrates on learning to use a B.I.M. (Building Information Modeling) computer application applicable to the design process. Students will learn to apply virtual building technology to design, production and information analysis of a project.

ARC1126C Architectural Drawing **Credit Hours: 4**
An introduction to principles, methods and applications of architectural drawing. Basic drafting tools will be used to learn orthographic projection to draw multi-view drawings including architectural design floor plans, elevations and sections, single-view drawings including paraline axonometric drawings and perspective drawings including one- and two- point.

ARC1126C Architectural Drawing **Credit Hours: 4**
An introduction to principles, methods and applications of architectural drawing. Basic drafting tools will be used to learn orthographic projection to draw multi-view drawings including architectural design floor plans, elevations and sections, single-view drawings including paraline axonometric drawings and perspective drawings including one- and two- point.

ARC1301C Architectural Design I **Credit Hours: 4**

This course covers basic two and three-dimensional design fundamentals, architectonic principles and architectural design skills. Techniques of model making, are learned through explorations in defining and analyzing architectural space.

ARC1302C Architectural Design II **Credit Hours: 4**

This course furthers the study of three-dimensional design fundamentals, architectural space and architectural principles through the application of more advanced model making techniques, orthographic drawing and one and two point perspectives. The architectural design process is studied through the analysis and resolution of basic building programs and basic natural and man-made environmental factors.

ARC1701 Survey of Architectural History **Credit Hours: 3**

A general survey of social, political, and cultural factors which have generated architecture from prehistoric times through the Fifteenth Century. This is a writing credit and International/Intercultural course. Students must earn a grade of C to meet the requirements of the Gordon Rule for writing.

ARC2201 Theory of Architecture **Credit Hours: 3**

This course provides an understanding of architectonic elements, principles and aesthetics in architecture. It analyzes their application in contemporary and historical architecture and relates their application to architecture design studio solutions. The course also covers the work and philosophies of contemporary architects. This is a writing credit and International/Intercultural course. Students must earn a grade of C to meet the requirements of the Gordon Rule for writing.

ARC2303C Architectural Design III **Credit Hours: 4**

This course emphasizes the analysis and resolution of the natural and man-made environmental context as a generator of architectural design ideas. The analysis of architectural building programs and architectonic principles are applied to further define the organization, form, circulation and function of architectural space in buildings.

ARC2304C Architectural Design IV **Credit Hours: 4**

This course covers the development of architectonic conceptual ideas from program requirements and contextual factors as generators of architectural design. Architectonic principles of enclosure, massing, articulation of form, proportions, geometry, scale and structures are applied in the development of imagery for building design. A portfolio is created from each student's best work for the purpose of transfer admission to a university program.

ARC2461 Materials & Methods of Construction **Credit Hours: 4**

Introduction to materials and methods of construction covering the evaluation of construction materials, functional applications and code requirements in the use of wood, masonry, concrete, steel and other materials.

ARC2580 Structures **Credit Hours: 4**

Basic study in the principles and evaluations of structures as applied to architecture. Major topics of study include statics, stress, and the characteristics of beam and column behavior. This course will enable the student to develop a structural sense in creating architectural solutions.

ARH2000 Art Appreciation **Credit Hours: 3**

Art Appreciation is a course for non-art majors that introduces a chronological history of art including style, form, media, and meaning. This is a writing credit course with international/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ARH2050 World Art History **Credit Hours: 3**

World Art History is a chronological survey and analysis of world art starting with prehistory and placing major works in a cultural, historical and stylistic context. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ARH2051 Art History: Renaissance to Modern **Credit Hours: 3**
Art History: Renaissance to Modern is a chronological survey and analysis of European based art from Renaissance to Modern, placing major works in a cultural, historical, and stylistic context. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ARH2351 Spanish Art History **Credit Hours: 3**
Spanish Art History includes the study of outstanding examples of architecture, painting and sculpture, emphasizing the early Roman and Moorish contributions as well as the great Spanish painters of the Renaissance and the 19th and 20th Centuries. Included in this course are cultural trips to museums, galleries and monuments in Seville.

ART1201C 2D Design **Credit Hours: 3**
Two-dimensional study of form, principles of organization, and the elements of design fundamental for creative work in 2-D visual arts.

ART1203C 3D Design **Credit Hours: 3**
The Three-dimensional study of Form: The Elements of Art, Principles of Organization, Materials, Tools and Techniques, and the Creative Design Process in theory and practice to create three dimensional art forms.

ART1300C Drawing I **Credit Hours: 3**
Still life, landscape, and other compositions utilizing a variety of media emphasizing elements and materials of representational drawing from observation.

ART1301C Intermediate Drawing **Credit Hours: 3**
An extension of the content of Drawing I with increased concentration upon analytical description, pictorial composition, and drawing as a means of visual communication of ideas.

ART1431C Beginning Silkscreen **Credit Hours: 3**
Introduction to the basic techniques of Silkscreen Printmaking using water-based inks. Students will learn Stencil, Hand-Drawn, Rubylith and Photo Emulsion processes in the creation of multiple limited edition prints. Planning of individual design problems is stressed.

ART1600C Computer Art **Credit Hours: 3**
A basic course in how the computer can be adapted and used in the visual arts. Creative uses of the computer and assorted hardware and software will introduce the student to fine art and applied art applications. A knowledge of programming is not required.

ART2205C Color Theory **Credit Hours: 3**
A basic course in the exploration of color theories, color systems, and color relativity in regard to optical sensation, lighting variation and psychological impact.

ART2330C Life Drawing **Credit Hours: 3**
Study of human anatomy for artists, utilizing techniques of visual representations from direct observation of clothed and unclothed models.

ART2400C Beginning Printmaking **Credit Hours: 3**
A study of the processes and techniques in intaglio, polymer light-sensitive and relief printmaking.

ART2500C Painting I **Credit Hours: 3**
An introduction to creative techniques and composition applied various media.

ART2501C Painting II **Credit Hours: 3**
A creative exploration of oil, acrylic techniques and/or water media with an emphasis on composition.

ART2540C Watercolor **Credit Hours: 3**
A creative exploration of watercolor techniques and media with an emphasis on composition.

ART2623C 3D Computer Modeling for Animation **Credit Hours: 3**
This course is an introductory level course in 3D animation. Students create complex animations which are carefully planned through storyboarding techniques. Students will complete 3D animation projects and follow the 3D animation process, practicing and applying various features of the 3D animation software package.

ART2701C Sculpture **Credit Hours: 3**
A three-dimensional study of form and concept utilizing physical material to occupy real space either free standing or bas-relief. The principles of organization and the element of design fundamentals are carried over and expand from 3-D design.

ART2750C Ceramics I **Credit Hours: 3**
Study of basic ceramic shaping techniques, glazing, decorating and firing.

ART2751C Ceramics II **Credit Hours: 3**
A study of advanced techniques in ceramics synthesizing basic skills with more advanced concepts and techniques of forming clay, surface decoration, glazing and firing.

ART2752C Ceramics: Throwing on the Potters Wheel **Credit Hours: 3**
A fine arts study of advanced techniques in ceramics emphasizing concepts and techniques of forming clay on the wheel, surface decoration, glazing and firing.

ART2754C Ceramics: Hand-Building **Credit Hours: 3**
Fine arts ceramics course to develop hand-building through various projects which emphasize technique, creativity, and problem-solving. Includes advanced concepts and techniques of forming clay, surface decoration, glazing and firing.

ART2777 Ceramics Skills & Concepts **Credit Hours: 3**
Introduction to conceptualization and expression of personal ideas using ceramics as an art form: functional design and aesthetics, formation and communication of personal ideas through design, clay as a material, technical hand building and wheel throwing forming methods, surface methods, and firing of work.

ART2905 Independent Study **Credit Hours: 3**
A course designed to establish a framework for future self-learning. Students will shape the course to fit their needs by planning activities with a faculty advisor.

ART2906 Independent Study: Ceramics **Credit Hours: 3**
A directed, independent study course available to both majors and non-majors who wish to investigate a particular problem related to the ceramics process.

ART2907 Independent Study: Drawing **Credit Hours: 3**
A directed, independent study course available to both majors and non-majors who wish to investigate a particular problem related to the drawing process.

ART2908 Independent Study: Sculpture **Credit Hours: 3**
A directed, independent study course available to both majors and non-majors who wish to investigate a particular problem related to the sculpture process.

ART2909 Independent Study: Painting **Credit Hours: 3**
A directed, independent study course available to both majors and non-majors who wish to investigate a particular problem related to the painting process.

ART2931C Art Special Topics: (Specify Medium) **Credit Hours: 3**
A studio course centered on a specific medium of art and topics of current interest. Media, topics or focus may vary from semester to semester. Special Topics credit hours are not automatically transferable. Transfer credit is the prerogative of the receiving institution.

ART2932C Special Topic: Ceramics **Credit Hours: 3**
A ceramics studio course centered around topics of current interest or special interest to students. Topics or focus may vary from semester to semester.

ART2950 Seminar in Art **Credit Hours: 3**
A course designed for students who wish to combine the study of Art with travel in a foreign country. Variable content depends on areas visited.

ART2954C Portfolio Preparation & Exhibition **Credit Hours: 3**
This course prepares Visual Art and Design students to transfer to an upper-division institution. It is intended for those pursuing an Associate of Arts degree with a concentration in Visual Art or Design. Acting as a "capstone" to the students lower-division studies, this course helps students prepare a portfolio required for transfer. In addition, competencies in courses are validated, presentation issues are enhanced and applied and a "Statement of Intent" is prepared to accompany the portfolio.

ASC1010 History of Aviation **Credit Hours: 3**
A survey of aviation from its beginning with early myths, through gliders, balloon flights and powered flight to the present jet age. Includes effects of wars on the development of civil and military aircraft and discusses significant personnel flights and aircraft in tracing the advancement of general, commercial, and military aircraft. The major emphasis of the course will be directed towards the development of aviation in the United States.

ASC1100 Navigational Science I **Credit Hours: 3**
This course, together with ATT 1100, provides the aeronautical knowledge for the professional pilot and aviation administration programs. The areas of study include airport operations, airspace, flight information publications, and basic air navigation including pertinent Federal Aviation Administration Regulations (FAA), preflight planning, cross country navigation, and navigational equipment and its operation. Successful completion of ATT 1100 (48 hours) and ASC 1100 (48 hours) fulfills private pilot ground school requirements through Broward College's Part 141 approved pilot ground school curriculum and prepares students for the FAA private Pilot (airplane) Computerized Knowledge Exam.

ASC1210 Aviation Weather **Credit Hours: 3**
A study of the basic concepts of meteorology, temperature pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing, and fog analysis and use of weather data; interpretation of the National Weather Service maps, reports and forecasts.

ASC1550 Aerodynamics **Credit Hours: 3**
An analysis of the physical laws and aerodynamic principles which govern flight, aircraft stability and control, weight and balance, and aircraft instruments affecting flight as well as operational considerations of controllable pitch propellers, retractable gear, weather, and precision maneuvers.

ASC1610 Aircraft Engines, Structures, & Systems **Credit Hours: 3**
This course discusses aircraft engine types and theory of operation, materials and construction models of aircraft structures, operations of hydraulic, electrical, fuel, pressurization, anti-icing, and heating and instrument systems, including sources of power for their operation.

ASC2110 Navigation Science II **Credit Hours: 3**
This course, together with ATT 2120, provides the aeronautical knowledge for the instrument rating.
Areas of study include methods and procedures for the solution of advanced pilotage and dead reckoning problems, the functioning capabilities and limitations of aircraft navigational equipment. Successful completion of ATT2120

(48 hours) and ASC2110 (48 hours) fulfills instrument rating ground school requirements through Broward College's Part 141 approved pilot ground school curriculum and prepares students for the FAA Instrument Rating (airplane) Computerized Knowledge Exam.

ASC2320 Aviation Law & Regulations **Credit Hours: 3**
An introduction and analysis of the regulations and laws governing airport and airline operations, incorporating aviation safety. Topics of discussion include the major regulations to include: Federal Aviation Regulations (FARS) 77, 108, 121, 129, 135, 139, 150, 191, and NTSB 830. These topics will include navigable airspace, airport noise and the applicable Advisory Circulars (A/C) that explain compliance. Additionally, these topics of discussion will include an overview of how the regulations are governed and administered, compliance with overview of how the regulations are governed and administered, compliance with regulations, non-compliance, and management of government regulations.

ASC2472 Human Factors in Flight & Air Traffic Control **Credit Hours: 3**
This course discusses the human factors issues involved with flight and those affecting air traffic controllers. Students will learn significant aero-medical factors common to the aviation environment and the decision making process. Students will apply knowledge gained through the examination of NTSB accident reports outlining the causes and describing ways an accident could have been prevented.

ASC2870 Aviation Safety **Credit Hours: 3**
The primary goal of this course is to provide aspiring aviation professionals with a comprehensive understanding and enhanced awareness of aviation safety. Class will participate in analyzing the probable cause of selected aviation accidents, review detailed analyses of accidents related to topics of human factors, runway incursions, weather, mid- air collisions and mechanical and maintenance issues. Federal agencies which regulate aviation with emphasis on those concerned with safety will also be studied.

ASC2949 CO OP Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer.

ASL1140 American Sign Language I **Credit Hours: 4**
Students will acquire the fundamental linguistic principles of American Sign Language and vocabulary totaling approximately 500 concepts, both expressively and receptively. Cultural literacy will be enhanced related to deafness and Deaf culture through reading, writing, and the social environment of the Deaf Community. A variety of classroom literacy activities and exercises, supplemented by laboratory and/or multi-media presentations, will be utilized to develop communicative competence and an appreciation for cultural diversity.

ASL1150 American Sign Language II **Credit Hours: 4**
Students will acquire intermediate linguistic principles of American Sign Language and vocabulary totaling approximately 500 new concepts, both expressively and receptively. Cultural literacy will be enhanced related to deafness and Deaf culture through reading, writing, and the social environment of the Deaf Community. A variety of classroom literacy activities and exercises, supplemented by laboratory and/or multi-media presentations, will be utilized to develop communicative competence and an appreciation for cultural diversity.

ASL2160 American Sign Language III **Credit Hours: 4**
Students will acquire advanced linguistic principles of American Sign Language and vocabulary, both expressively and receptively. Classes are conducted in ASL at an advanced level and pace without voice-interpretation. Cultural literacy will be enhanced related to Deaf Studies and Deaf Culture through interactions within the Deaf community. Linguistic activities and exercises supplemented by laboratory and/or multi-media presentations will be utilized to develop communicative fluency and an appreciation for cultural diversity. (This course is designed for students who have excelled in ASL I and ASL II as content builds upon the foundation laid in those prerequisite courses. Students should check individual university program requirements for transferability.)

AST1002 Horizons in Astronomy **Credit Hours: 3**

AST1002 is an introductory course that outlines the origin, characteristics, and evolution of the solar system, stars, and galaxies and engages the historical milestones in astronomy from the ancient astronomers to the modern observatories. Students are expected to evaluate current and expected future trends in astronomical research and theories using written compositions and analysis in algebra involving solutions of multi-variable equations and formulas. Math placement score equivalent to MAT1033 level of equation solving is sufficient.

AST1003 Astronomy of the Solar System **Credit Hours: 3**

AST1003 is an astronomy course outlining the knowledge gained from space probes of the Sun, the Moon, Earth, and the planets and evaluating the Solar System formation theories. The students will use writing compositions, observations, and mathematical analysis to analyze the data obtained by observing these bodies.

AST1004 Astronomy of Stars & Galaxies **Credit Hours: 3**

AST1004 is an astronomy course outlining the important astronomical entities (e.g., stars, gas, dust, galaxies, quasars) beyond the solar system and their evolution in terms of the quantum mechanical effects in the macro world. The students will use writing compositions, observations, and mathematical analysis to analyze these concepts.

AST1022L Astronomy Laboratory **Credit Hours: 1**

AST1022L is a laboratory which allows students to able to collect and analyze data in a variety of experiments covering topics covered in its companion courses: AST1002, AST1003, or AST1004. Students will create experiment reports and conduct telescopic observations.

AST1037 Scientific Search for Life in the Universe **Credit Hours: 3**

This interdisciplinary course examines the nature and history of life on earth, possible life favoring environments within the solar system and in the detecting life in the universe at large. Topics of discussion include the evolution and biochemistry of terrestrial life, the formation of organic compounds in the solar system and other extraterrestrial environments, physical constraints, equipment, and strategies for detecting intelligent life in the universe.

ATF1100 Primary Flight* **Credit Hours: 3**

This course provides the flight training and experience required by the Federal Aviation Regulations (FAA) Part 141 regulations for a Private Pilot Certificate. Minimum approved FAA Part 141 course hours are 35 flight hours, and 55 instructional hours to include four stage exams. In order to receive credit for the course, student must earn a private pilot certificate.

Hourly costs: Aircraft C172, or PA28, $145/hr. Instruction $59/hr. Fuel surcharge applies if cost is over $5.00/gal. Should the cost go up to $5.50/gal, a $.50/gal cost is added to aircraft charges, and anything below is at no extra charge to the student.

No Show Fee: Represents cost of aircraft and instructor time scheduled for the event.

Note: This course not approved for Veterans seeking to use Veterans Educational Benefits.

Final Examination Fee*: $500. If using Designated Pilot Examiner (DPE) from $600 - $950. No cost is incurred if scheduled directly with FAA. Final exam expense is solely the responsibility of the student.*

Note: *Pilot training is a proficiency based process. Times specified are the minimum to meet FAA approved course Part 141 training requirements. Individual training times may be more than minimums if additional time is required to demonstrate proficiency in prescribed lesson elements, or to repeat lessons which were incomplete, or unsatisfactory. Students should allow approximately 15% additional cost for each flight course.*

ATF2204 Commercial Flight II (Commerical Pilot Training ASEL) * **Credit Hours: 3**

This course provides the aeronautical experience required to obtain a commercial pilot certificate, ASEL. This will qualify a student for the FAA Commercial Pilot Certificate examination under Federal Aviation Regulations. FAA Part 141 approved course minimums, are 50.0 flight hours, 38 complex PA28R, 12 solo PA28, or C172, and 58 instructional hours to include three stage exams. In order to receive credit for the course, student must earn a commercial pilot certificate.

Hourly costs: Aircraft, PA28, or C172, $145/hr., $149/hr. complex - PA28R. Instruction $59/hr. Fuel surcharge applies if cost is over $5.00/gal. Should the cost go up to $5.50/gal, a $.50/gal cost is added to aircraft charges, and anything below is at no extra charge to the student.

No Show Fee: Represents cost of aircraft and instructor time scheduled for the event.
Note: VA will not pay any penalty fee; such costs are solely the responsibility of the student. VA does not cover this cost.
Final Examination Fee General Information: Costs vary per Designated Pilot Examiner (DPE) from $600- $950. No cost is incurred if scheduled directly with FAA. Final exam expense is solely the responsibility of the student. VA does not cover this cost.

Note: *Pilot training is a proficiency based process. Times specified are the minimum to meet FAA approved course Part 141 training requirements. Individual training times may be more than minimums if additional time is required to demonstrate proficiency in prescribed lesson elements, or to repeat lessons which were incomplete, or unsatisfactory. Students should allow approximately 15% additional cost for each flight course. VA will not cover costs associated with hours above the course minimums.*

ATF2205 Commercial Flight III (Commercial Training – Multi) * **Credit Hours: 3**
This course represents the training and aeronautical knowledge required to be a commercial multi pilot. It is conducted under Federal Aviation Administration Regulations Part 141 training. During this course, the student will achieve commercial qualification in a multi-engine aircraft. FAA Part 141 approved course minimums are 15 flight hours and 30 instructional hours to include four stage exams. In order to receive credit for the course, student must earn the commercial multi.
Hourly costs: Aircraft, PA34 $250/hr. Instruction $59/hr. Fuel surcharge applies if cost is over $5.00/gal. Should the cost go up to $5.50/gal, a $.50/gal cost is added to aircraft charges, and anything below is at no extra charge to the student.
Final Examination Fee: This course is eligible for in-house examination at a cost of $500. Costs vary per Designated Pilot Examiner (DPE) from $600 - $950. No cost is incurred if scheduled directly with FAA. Final exam expense is solely the responsibility of the student. VA does not cover this cost.
***Note:** Pilot training is a proficiency based process. Times specified are the minimum to meet FAA approved course Part 141 training requirements. Individual training times may be more than minimums if additional time is required to demonstrate proficiency in prescribed lesson elements, or to repeat lessons which were incomplete, or unsatisfactory. Students should allow approximately 15% additional cost for each flight course. VA will not cover costs associated with hours above the course minimums.*

ATF2305 Commercial Flight I (Instrument Training)* **Credit Hours: 3**
This course will prepare the student for an instrument rating. Student must have earned a private pilot license prior to beginning instrument training. The course provides the aeronautical experience required to qualify for the instrument rating under Part 141 Federal Aviation Regulations. This FAA Part 141 approved course minimum represents 35 flight hours, and 55 instructional hours to include four stage exams. In order to receive credit for the course, the student must have earned the FAA instrument rating.

Hourly costs: Aircraft $145/hr. Instruction $59/hr. Fuel surcharge applies if cost is over $5.00/gal. Should the cost go up to $5.50/gal, a $.50/gal cost is added to aircraft charges, and anything below is at no extra charge to the student.
No Show Fee: Represents cost of aircraft and instructor time scheduled for the event.

Note*: VA will not pay any penalty fee; such costs are solely the responsibility of the student. VA does not cover this cost.*
Final Examination Fee: This course qualifies for in-house examination at $500. If using a Designated Pilot Examiner (DPE) from $600 - $950. No cost is incurred if scheduled directly with FAA. Final exam expense is solely the responsibility of the student. VA does not cover this cost.

Note: *Pilot training is a proficiency based process. Times specified are the minimum to meet FAA approved course Part 141*

training requirements. Individual training times may be more than minimums if additional time is required to demonstrate proficiency in prescribed lesson elements, or to repeat lessons which were incomplete, or unsatisfactory. Students should allow approximately 15% additional cost for each flight course.VA will not cover costs associated with hours above the course minimums.

ATF2400 Multi Engine Transition **Credit Hours: 1**
This course is taught under Federal Aviation Regulation FAA Part 141. It provides the flight training experience and aeronautical knowledge required to obtain a FAA multi-engine rating. Course consists of 15 flight and 30 instructional hours to include four stage exams. In order to receive credit for the course, the student must have earned the FAA multi-engine rating.
Hourly costs: Aircraft multi-engine $250/hr. Instruction $59/hr. Fuel surcharge applies if cost is over $5.00/gal. Should the cost go up to $5.50/gal, a $.50/gal cost is added to aircraft charges, and anything below is at no extra charge to the student.

No Show Fee: Represents cost of aircraft and instructor time scheduled for the event.

Final Examination Fee*: This course qualifies for in-house examination at $500. Costs vary per Designated Pilot Examiner (DPE) from $600- $950. No cost is incurred if scheduled directly with FAA. Final exam expense is solely the responsibility of the student. VA does not cover this cost.*

Note: *Pilot training is a proficiency based process. Times specified are the minimum to meet FAA approved course Part 141 training requirements. Individual training times may be more than minimums if additional time is required to demonstrate proficiency in prescribed lesson elements, or to repeat lessons which were incomplete, or unsatisfactory. Students should allow approximately 15% additional cost for each flight course.VA will not cover costs associated with hours above the course minimums.*

ATF2500 Certified Flight Instructor Training* **Credit Hours: 2**

This course provides the flight and ground instruction required to earn the FAA Certified Flight Instructor certificate. FAA Part 141 approved course minimums, exclusive of the final check ride represent 31 flight and 51 instructional hours to include three stage exams.

In order to receive credit for the course, the student must have earned the FAA Certified Flight Instructor certificate.
Hourly costs: Aircraft 20 hours C172, PA28 $145/hr., 10 hours PA28R $149/hr., 1 hr. 8KCAB $160/hr. 51 Instructional hours $59/hr. Fuel surcharge applies if cost is over $5.00/gal. Should the cost go up to $5.50/gal, a $.50/ gal cost is added to aircraft charges, and anything below is at no extra charge to the student.

No Show Fee: Represents cost of aircraft and instructor time scheduled for the event.
Final Examination Fee: Costs vary per Designated Pilot Examiner (DPE) from $600 - $1,000. No cost is incurred if scheduled directly with FAA. Final exam expense is solely the responsibility of the student. VA does not cover this cost.

Note: *Pilot training is a proficiency based process. Times specified are the minimum to meet FAA approved course Part 141 training requirements. Individual training times may be more than minimums if additional time is required to demonstrate proficiency in prescribed lesson elements, or to repeat lessons which were incomplete, or unsatisfactory. Students should allow approximately 15% additional cost for each flight course. VA will not cover costs associated with hours above the course minimums.*

ATF2600 Flight Simulator Training **Credit Hours: 1**

This course provides a total of 15 hours of training in one of the Emil Buehler Flight Laboratory flight training devices at South Campus. This course may be taken as an elective in any of the aviation programs. Material covered will be tailored to the individual depending upon his/her piloting background. This course may be repeated for a maximum of 3 semester hours to meet a 3 semester hour elective requirement.

ATF2630 Basic Instrument Simulator **Credit Hours: 1**

This course provides a total of 15 hours of training in one of the Buehler Flight Laboratory multi-engine flight training devices at South Campus. The course consists of 5 hours of lecture and 10 hours in the flight training device. This course may be taken as an elective in any of the aviation programs.

ATT1100 Aeronautical Science **Credit Hours: 3**

This course is an introduction to the theory of flight. It includes elementary aerodynamics, the major components of airplanes and their functions, pertinent Federal Aviation Administration (FAA) regulations, basic airspace, aircraft performance, basic navigation, an introduction to meteorology, weather services, and human factors affecting flight. Successful completion of ATT 1100 (48 hours) and ASC 1100 (48 hours) fulfills private pilot ground school requirements through Broward College's Part 141 approved pilot ground school curriculum and prepares students for the FAA private Pilot (airplane) Computerized Knowledge Exam.

ATT2110 Commercial Flight Theory **Credit Hours: 3**

This course provides the aeronautical knowledge required of a commercial pilot. Subject matter focuses on the needs of the advanced pilot. Topics include aerodynamics, aircraft performance, aircraft systems, navigation, physiological factors and flight, weather, and pertinent FAA regulations. Successful completion of ATT2110 (48 hours) fulfills commercial pilot ground school requirements through Broward College's Part 141 approved pilot ground school curriculum and prepares students for the FAA Commercial Pilot (airplane) Computerized Knowledge Exam.

ATT2120 Instrument Flight Theory **Credit Hours: 3**

Successful completion of ATT 2120 (48 hours) together with ASC 2110 (48 hours), fulfills instrument pilot ground school requirements through Broward College's Part 141 approved pilot ground school curriculum and prepares students for the FAA instrument rating (airplane) Computerized Knowledge Exam. Topics include physiological

factors involved with instrument flying, the functioning of basic flight instruments and their use in controlling aircraft under instrument conditions, electronic aids and their use, communications, the airway system, IFR charts, weather, pertinent Federal Aviation Administration (FAA) regulations, and procedures related to instrument flight.

ATT2820 Introduction to Air Traffic Control **Credit Hours: 3**

This course covers fundamental topics such as history and an explanation of past decisions affecting current air traffic control systems, navigation, procedures and phraseology, separation of aircraft in the ATC system. The course will also provide an in-depth look at the future of air traffic control and employment opportunities for air traffic controllers.

ATT2821C ATC Radar Procedures with Laboratory **Credit Hours: 4**

Topics such as radar rules and applications required by FAA Order J07110.65V. Chapters 4, 8, and 6 are covered in this course. This course will be adapted to mirror a radar position in operation at Academy TRACON. In doing so, this course will teach the student the basic requirements needed to work as a radar controller in a terminal facility. Topics taught will include radar systems, radar identification, radar separation, vectoring, phraseology, and issuing approach clearances. The Laboratory portion will mirror the Academy TRACON RADAR position.

ATT2822C VFR Tower Operations with Laboratory **Credit Hours: 4**

This course covers the J07110.65 Air Traffic Control manual Chapter 3. Chapter cover fundamental rules and procedures required in a VFR tower for the safe and orderly flow of aircraft operating in a VFR or IFR environment. This course teaches the requirements needed in a terminal facility that utilizes air/ground communications, visual signaling, and other devices to provide ATC services to aircraft operating in the vicinity of an airport or a movement area. The Laboratory portion will mirror the Academy Airport. The student will be required to demonstrate practical application of the rules and procedures in use at the airport.

ATT2824C ATC Enroute Operations With Laboratory **Credit Hours: 4**

This course covers the J07110.65 Air Traffic Control Manual Chapters 5, 6, 7, 8, 9, 10, 11, 12, and 13, J07350.7 Location Identifiers, IFR Enroute Low and High Altitude Charts. These orders cover the fundamental rules and procedures required in the Enroute environment commonly referred to as the CENTER. This course will teach the requirements needed to an Enroute facility that utilizes air/ground communications and other devices to provide ATC services to aircraft operating along the Federal Airways and Jet Route Systems. The Laboratory portion will mirror a sector in operation at Miami Center. The student will be required to demonstrate practical application of the rules and procedure in use at this center sector.

ATT2890 ATC Capstone Project **Credit Hours: 1**

This course covers the practical application of JO7110.65 Air Traffic Control Manual. The course will evaluate what the student has learned and retained throughout the CTI program. The student will be required to successfully complete a 100 question exam covering the CTI prerequisite courses and demonstrate the practical applications in Center Radar Simulation, Terminal Radar Simulation, and Tower Simulation. Students successfully completing the exam and practical will take the Certified Tower Operator's Exam administered by an FAA examiner the last week of class.

AVM1440 Airport & Airline Security **Credit Hours: 3**

An introduction and analysis of the regulations and laws governing airport and airline security, including an in-depth look at Federal Aviation Regulations 49 CFR 1544, FAR Part 121, 129, and 49 CFR 1520; Topics of discussion include: a historical perspective and events that have led to the evolution of aviation security; preventive measures, and current trends in security; an introduction to terrorist activities, motives, weapons of mass destruction, and countermeasures at threats to aviation.

AVM1940 Airport Operations Internship I **Credit Hours: 3**

Practical application of acquired knowledge at a certificated airport. Student exposed to airside related environment including: airfield inspections; security inspections and enforcement; air traffic control system; navigational aids; airspace inspections & familiarizations; wildlife issues; environmental impacts; landside issues such as parking management, ground transportation systems; operational contract administration; revenue control systems; equipment monitoring; and bus operations; terminal building operations including, physical building inspections, passenger services, passenger flow characteristics; tenant and contractual lease requirements; safety and security of passenger terminals. The student is introduced to airport maintenance programs and systems as well as general aviation environment.

AVM2301 General Aviation Marketing & Management **Credit Hours: 3**
This course is designed to provide an overview of the general aviation industry including its history and important role within the air transportation sector of the economy. The varied uses of general aviation aircraft and the management and marketing role of the fixed base operator are thoroughly explored. Included are the basic marketing concepts and procedures involved in the sale of general aviation aircraft and components to private industry and government. Particular emphasis will be placed on the management of corporate/business aircraft and commuter airlines.

AVM2410 Airport Management **Credit Hours: 3**
Provides a comprehensive examination of the major functions of airport management and the concepts underlying airport planning and construction. The controlling factors in the development of an airport, such as size and forecasting volumes, design considerations; including runways configurations, site, location requirements, master planning and zoning laws will be examined. The socioeconomic effect of airports on the communities they serve will be explored.

AVM2450 Airport Planning & Design **Credit Hours: 3**
Introduction to the initial design of airports and adaptations made as airports experience growth. Topics of discussion include: analysis of runway and taxiway design, terminal ramp areas, terminal facilities, airport parking and roadway systems based on airport capacity forecasts; intended use, funding, and community demographics. Discussions also include the modification and adaptation of existing airport facilities, airport master plans, air cargo facilities, airport access, and environmental impacts of airport planning and design.

AVM2510 Airline Management **Credit Hours: 3**
An introduction to the administrative aspects of airline operation and management. Topics include the structure of the airline industry in the United States including first, second, third level carriers, the annual profit plan, uniform system of accounts and reports, organizational planning, demand analysis, scheduling, the theory of pricing, fleet planning, facilities planning and airline financing.

AVM2941 Airport Operations Internship II **Credit Hours: 3**
Practical application of acquired knowledge at a certificated airport. The student will be exposed to the finance, business, legal, and public relations aspects of Airport Management. Intern will: gain experience in the collection of rents and allocation of monies in airport operation. Receive knowledge on how grant money is applied for and received as well as the business aspect of leasehold compliance; exposure to legal aspect of airport operation, including compliance with federal and state laws, liability claims and procedures. Exposure to Airport Planning, Airport Master Plan, construction and refurbishment of airport facilities, airport layout plan, and airspace studies. Work with airport public relations and marketing personnel on communicating with media and marking the airport as a business enterprise toward potential airlines and tenants.

AVS0090C Avionics Fundamentals **Clock Hours: 180.00**
Content includes but is not limited to troubleshooting, repair and installation of airborne radio communications, radio navigation and radar equipment systems in accordance with regulatory and industry standards. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum. The course content also includes training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

AVS0091C Avionic Installer **Clock Hours: 180.00**
Content includes but is not limited to troubleshooting, repair and installation of airborne radio communications, radio navigation and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basics of AM and FM transmitters and receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum. The course content also includes training in communication, leadership, human relations and employability skills; and safe,
efficient work practices.

AVS0092C Avionics Communication Systems **Clock Hours: 180.00**
The purpose of this program is to prepare students for employment as radio mechanics (85514608) and as avionics technicians (823.281-010). The course content includes, but is not limited to, troubleshooting, repair and installation of air-borne radio communications, radio navigation, and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basics of AM and FM transmitters and receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum.

AVS0093C Navigation/Support Systems Items **Clock Hours: 180.00**
The purpose of this program is to prepare students for employment as radio mechanics (85514608) and as avionics technicians (823.281-010). The course content includes, but is not limited to, troubleshooting, repair and installation of air-borne radio communications, radio navigation, and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basics of AM and FM transmitters and receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum. The course content also includes training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

BCH3023 Elementary Organic & Biological Chemistry **Credit Hours: 3**
This course is designed to introduce elementary organic chemistry and biochemistry to students in the environmental science curriculum. This is a terminal course and is not part of the regular organic chemistry sequence.

BCH3033 Biochemistry I **Credit Hours: 3**
The study of the structure and function of biomolecules within the cell (proteins, carbohydrates, lipids, and nucleic acids), and the monomeric units that make them. Biological transport in cell membranes, enzyme catalysis, DNA replication and transcription, and protein synthesis will also be studied.

BCN1251C Building Construction Drawing I **Credit Hours: 4**
This is the first in a two-course sequence of construction drawing courses. The first half of the semester will include a review of basic drafting techniques. The second half will be devoted to an in-depth study of residential construction working drawings and how they are prepared. AutoCAD will be used extensively as one of the tools for preparing drawings.

BCN1272 Building Construction Plans Interpretation **Credit Hours: 2**
This course is designed to provide an overview of construction documents and to develop the student's ability to quickly interpret working drawings. Emphasis is on architectural and structural details with limited coverage on mechanical and electrical aspects.

BCN2560 Mechanical & Electrical Systems **Credit Hours: 3**
Acquaints student with mechanical and electrical equipment commonly used in high rise and commercial buildings. Presents fundamentals of air conditioning, heating, lighting, communicating and wiring for electrical equipment. Includes a study of specialty equipment such as solar heating.

BCN2614C Construction Estimating II **Credit Hours: 3**
A study of construction contracts, contractor responsibilities, job planning, scheduling, selection of equipment, methods of construction and safety standards. The student is required to make quantity takeoffs from a set of plans to do pricing of labor and materials.

BCN2721C Construction Planning & Cost Control **Credit Hours: 3**
The student plots job progress, draw schedules; studies cash flow, billing, financing, job ledgers inventory, collection methods, payroll, overhead, financial statements, balance sheets, income statements, net worth, equipment and

property purchases, credit and borrowing principles, term interest, points and closing cost, depreciation, and financial ratios. The student studies the effects on pricing of variation in delivery time, quantities, payment terms, purchase orders, sub-contracting, inventory and other aspects of cost control.

BCT1706 Construction Documents **Credit Hours: 2**
This is designed to familiarize students with documents used in the construction industry, facets of the construction process, contractual relationships, the relationship of documents to each phase of construction and an overview of the Construction Specifications Institute's (CSI) 16 divisions. At the conclusion of the course, students will have gained the proficiency necessary to pass the Construction Documents Technologist (CDT) certification exam given by the CSI.

BCT1743 Building Construction Law **Credit Hours: 2**
A study of the legal aspects of construction contracts and the responsibilities arising particularly from the field operations. Also includes relationship of general contractor to owner, architect, and subcontractor; mechanics lien law; bonds; labor law; and other statutes and ordinances regulating contractors.

BCT1767 OSHA Standards **Credit Hours: 2**
This course is designed to give students an awareness of the hazards associated with the construction industry's working environment. Emphasis is on OSHA regulations and the knowledge to improve the overall safety on a job site. At the successful conclusion of the course, students will receive the OSHA 10 Construction Industry certification card.

BCT1770 Construction Estimating I **Credit Hours: 2**
An analysis and determination of building construction costs. Commences with the classification of materials, labor, and subcontracted work into the smallest manageable units. Development of a simple estimate for a residential structure.

BCT2040 MEP Plans Interpretation **Credit Hours: 2**
This course is designed to develop the student's ability to quickly interpret working drawings. Emphasis is on the details and specifications of mechanical, electrical, and plumbing plans.

BCT2710 Infrastructure Coordination **Credit Hours: 2**
This course provides the student with an overview of the various agencies related to the construction industry. Special emphasis is on the need for and the manner of coordinating with these agencies. Students will receive exposure to the variety of permits, learn to interface with the agencies in order to coordinate the permit process, and understand how this coordinates with the project.

BCT2720C Construction Scheduling **Credit Hours: 3**
Orderly flow of steps from start to finish in a construction project. Basic concepts and techniques of the PERT AND CPM methods of network planning and scheduling will be covered. Course will develop skills necessary to successfully apply the Critical Path Method to the construction industry and answer the critical path problems found on the state certification exam.

BCT2760 Building Codes & Regulations **Credit Hours: 3**
A rigorous review and study of the Florida Building Code as it applies to structures and safety. For professionals employed as inspectors, architects, engineers and contractors.

BCT2941L Building Construction Field Experience **Credit Hours: 3**

This course provides students with the opportunity to apply skills learned in the classroom to a job setting and gain work experience in construction management.

BOT2010 General Botany **Credit Hours: 3**

Course designed to treat entire plant kingdom with emphasis on structure, function, and genetics of flowering plants. Fundamental cell and tissue structure of both vascular and non-vascular plants are studied. Associated physiological and chemical effects as related to function are emphasized. Placement by Testing Department.

BOT2010L General Botany Laboratory **Credit Hours: 1**

Laboratory experiments and field trips to accompany BOT2010. Upon successful completion of this course, the students should be able to demonstrate knowledge of the plant kingdom through prescribed activities that focus on morphology, taxonomy, anatomy and physiology of selected representative specimens. Dissection exercises included.

BOT2800 Plants & People **Credit Hours: 3**

This course will emphasize the role of plants in the development of civilizations, and the influence of plants on world history, politics, economics and culture. Will survey important plants and plant products from different cultures around the world.

BSC1005 Biological Principles for Non-Majors **Credit Hours: 3**

Course designed to give students an understanding of principles of Biology, while focusing on the nature and activities of living organisms. Course primarily for non-science majors.

BSC1005L Biological Principles for Non-Majors Laboratory **Credit Hours: 1**

Two hours of laboratory weekly which provides hands on activities that develop basic laboratory skills while reinforcing basic concepts in biology. Dissection exercises may be a component of this course.

BSC1311 Introduction to Marine Biology **Credit Hours: 3**

This course is designated to introduce non-science major students to the physical, chemical, and biological features of the world ocean and the main groups of living marine organisms that inhabit it. Basic marine ecology will be included.

BSC2010 Introduction to Biology I **Credit Hours: 3**

This course is the first of a two-semester sequence introducing science majors to biological principles including cell structure, function, communication, reproduction, biochemistry and metabolism, classical and molecular genetics, and genetic engineering. Upon successful completion of this course, the students will be able to explain the methods of science, describe the characteristics of life, describe structure, function, and communication of cells, distinguish mitosis and meiosis, describe cell energetics, photosynthesis and respiration, solve genetics problems, and describe major advances in genetic engineering. Three hours lecture per week.

BSC2010L Introduction to Biology I Laboratory **Credit Hours: 1**

This laboratory course is the first of a two-course sequence introducing science majors to biological principles including cell structure and function, cell reproduction, biochemistry and cell metabolism, classical and molecular genetics, and genetic engineering. Three hours laboratory per week.

BSC2011 Introduction to Biology II **Credit Hours: 3**

This course is the second of a two-course sequence introducing science majors to biological principles including a study of the diversity of organisms, evolution and population dynamics, and ecology.

BSC2011L Introduction to Biology II Laboratory **Credit Hours: 1**

This course is the second of a two-course sequence introducing science majors to biological principles including a study of the diversity of organisms, evolution and population dynamics, and ecology. Dissection exercises included.

BSC2085 Human Anatomy & Physiology I **Credit Hours: 3**

A survey of the structure, function, and chemistry of the human body considering the following topics: chemistry, body organization, the cell, tissues, membranes, glands, the integumentary system, the skeletal system, the muscular system, the nervous system, and the special senses. Three hours of lecture per week.

BSC2085L Human Anatomy & Physiology I Laboratory **Credit Hours: 1**

A survey of the structure, function, and chemistry of the human body considering the following topics: chemistry, body organization, the cell, tissues, membranes, glands, the integumentary system, the skeletal system, the muscular system, the nervous system, and the special senses. Three hours of lecture per week.

BSC2086 Human Anatomy & Physiology II **Credit Hours: 3**

A continuation of the Anatomy and Physiology sequence, including the following topics; the circulatory system, the respiratory system, the digestive System, the urinary system, fluid and electrolytes and the reproductive System.

BSC2086L Human Anatomy & Physiology II Laboratory **Credit Hours: 1**

Laboratory experiments coordinated with BSC1086, including microscope observation, study of anatomical models and dissection. Dissection exercises included.

BSC2421 Introduction to Biotechnology **Credit Hours: 3**

This lecture based course provides an introduction to concepts and principles associated with current accepted biotechnological practices in the areas of laboratory safety cell culture techniques, laboratory skills (measurements and calculations, preparation of solutions, use of various instruments) and microscopy. In addition, methods of DNA extraction, amplification, gene cloning, nucleic acid and protein electrophoresis and DNA finger printing will be covered.

BSC2421L Introduction to Biotechnology Laboratory **Credit Hours: 1**

This laboratory course provides hands-on experience in basic and common biotechnology laboratory techniques in the areas of laboratory safety, culture techniques, laboratory skills (measurements and calculations preparations of solutions, use of various laboratory instruments), and microscopy. In addition, methods in DNA extraction and amplification, gene cloning, nucleic acids, and protein electrophoresis and finger-printing will be demonstrated.

BSC2910 Directed Independent Research Variable **Credit Course (1-3 Credit Hours)**

Students (individually or in a group) will conduct research projects or certain aspects of research projects under the supervision of the instructor. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting. Hours may vary.

BSC2949 CO OP Work Experience **Credit Hours: 3**

A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer. Prerequisite: Co-Op Department approval. Students will be assigned specific course prefixes related to their academic major prior to registration.

BSC4846 Scientific Communication **Credit Hours: 3**

Introduces students interested in scientific research to various techniques and software important for data processing and presentation of research data. Students learn to effectively present research to the general public and to the scientific community in written form, such as research proposals, conference presentations, seminars and publications.

BSC4911 Independent Research in the Biological Sciences **Credit Hours: 3**

Students (individually or in a group) will conduct research projects or certain aspects of research projects. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting. Hours may vary. Instructor permission required. The instructor may incorporate any 5 or more objectives as appropriate to the given student project.

BSC4930 Special Topics in Biological Science **Credit Hours: 3**
Course centers around topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester. Hours may vary.

BSC4948 Senior Internship **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer.

BUL2241 Business Law I **Credit Hours: 3**
This course covers basic principles of law and their application to business problems. Topics include a discussion of legal rights and social forces; the legal relationships of government, business and society; law of contracts; personal property, bailments, sales of goods, torts and business crimes.

BUL2242 Business Law II **Credit Hours: 3**
This course provides a study of the legal principles covering negotiable instruments, Creditors' rights and secured transactions; agency, employer-employee relations; franchises, insurance, bankruptcy, partnerships, corporations, and real property.

BUL3130 Business Law & Ethics **Credit Hours: 3**
This course explores the nature of legal, ethical and societal environments of business. Emphasis is placed on business's social, legal, political and ethical responsibilities to both external and internal groups for business. Topics include corporate social responsibility, legal, political, and ethical aspects of business, state and federal laws, contracts, intellectual property, employment law, product liability, safety issues and environmental regulation.

BUL4264 International Business Law **Credit Hours: 3**
Students will be exposed to the legal implications of transacting business across national borders. The focus will be on transactional international business law including, the legal and ethical environment of international business, international contracting, importing-exporting, trade finance, and international intellectual property law and licensing. The student will gain an appreciation of the special risks of conducting business internationally and the legal pitfalls associated with those risks.

CAP2760C Introduction to Big Data with R and R-Studio **Credit Hours: 3**
Intro to Big Data with R and R-Studio introduces students to the field of Big Data, its concepts and technologies, as well as R and R-Studio. The course will explore the question What is Big Data? Students will explore the roles of a data scientist and what the 3 Vs of Big Data are (velocity, variety, and veracity). They will also learn various visualization techniques and best communication practices used in the industry.

CCJ1020 Introduction to Criminal Justice **Credit Hours: 3**
Introduction to the historical and philosophical background of the agencies of the Criminal Justice System. An examination of the relationships between the police, courts and correctional systems.

CCJ2191 Human Behavior in Criminal Justice **Credit Hours: 3**
A consideration of human behavior and how it relates to the duties and responsibilities of the criminal justice practitioner.

CCJ2933 Corrections Practicum **Credit Hours: 3**
This course offers practical experiences in corrections or related disciplines of criminal justice giving the student the opportunity to apply classroom knowledge.

CCJ2949 CO OP Work Experience **Credit Hours: 3**

A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer. Prerequisite: Co-Op Department approval. Student will be assigned specific course prefixes related to their academic major prior to registration.

CDA2332C Systems Integration and Architecture **Credit Hours: 3**

This course provides the student with a detailed understanding of computer hardware and system software. The material covered in this course is intended to establish a platform of technical knowledge for systems analysis, design, configuration, procurement, and management.

CDA4411 Systems Integration and Architecture **Credit Hours: 3**

This course provides the student with a detailed understanding of computer hardware and system software. The material covered in this course is intended to establish a platform of technical knowledge for systems analysis, design, configuration, procurement, and management.

CEN4341 Platform Technologies **Credit Hours: 3**

IT professionals will encounter a variety of platforms in their career. The role of the IT professional is to select, deploy, integrate and administer platforms or components to support the organizations IT infrastructure. This knowledge area includes the fundamentals of hardware and software and how they integrate to form essential components of IT systems.

CEN4722 Human Computer Interaction **Credit Hours: 3**

This course will provide the student the necessary elements in understanding and accomplishing the Human Computer Interaction in the area of Information Technology. The student will learn user centered methodologies in the design, development, evaluation and employment of application and system software.

CET1114C Digital Techniques **Credit Hours: 3**

The study and application of digital logic circuits. Topics include binary, octal and hexadecimal number systems, Boolean algebra, Karnaugh mapping, logic gates, flip flops, counters, and registers, applications in combinational and sequential logic systems. Extensive laboratory practice.

CET1117C Microprocessors I **Credit Hours: 3**

Study of the organization and operation of a stored program digital computer with emphasis on CPU operation in response to assembly and machine language instructions. Methods of selecting and operating I/O devices under program control will also be studied. Course work includes sophisticated assembly language programming for the microprocessor.

CET1600C CISCO Networking I **Credit Hours: 3**

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

CET1610C CISCO Networking II **Credit Hours: 3**

This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPng, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.

CET1615C CISCO Networking III **Credit Hours: 3**

This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network.

CET1620C CISCO Networking IV **Credit Hours: 3**

This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement virtual private network (VPN) operations in a complex network.

CET1630C Network Cabling Technologies **Credit Hours: 3**

This course is designed for students interested in the physical aspects of voice and data network cabling and installation. The course focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, as well as signal transmission. Students will develop skills in cable termination with both jacks and punch blocks, reading network design documentation, pulling and mounting cable, cable management, cable labeling, setting up tele-communications rooms, and patch panel installation and termination, as well as basic cable testing and troubleshooting, and basic cabling calculations. This hands-on, lab-oriented course stresses documentation, design, and installation issues, as well as laboratory safety, on-the-job safety, and working effectively with others. The Panduit Network Infrastructure Essentials course will provide a good start in a career path leading to becoming a network technician, technical support specialist, maintenance technician, testing engineer, information systems planner, and systems integrator. This course will also assist in getting students ready to enter an electrical engineering degree program.

CET2123C Microprocessors II **Credit Hours: 4**

Analysis of 8/16 bit microprocessors and micro-computers with emphasis on logic, timing and interfacing of the microprocessor. The student will design circuits and programs to interface memory and peripheral devices in a microprocessor based system. Extensive Laboratory practice is an integral part of this course. Students will design and develop a microprocessor project board as part of this course.

CET2486C Networking Technology **Credit Hours: 3**

This course covers topics in networking technology including OSI communications, networking and services, as well as troubleshooting of networking devices and components. Networking optimization is also included.

CET2625C CISCO CCNP I **Credit Hours: 3**

This course provides students with the knowledge and skills necessary to use advanced IP addressing and routing in implementing scalable and secure Cisco ISR routers connected to LANs and WANs. The skills developed by students completing this course will help prepare them for the Cisco Route Exam.

CET2688C System Security Practitioner (SSCP) **Credit Hours: 3**

This course will provide students with the knowledge and understanding of the Internationally accepted common body of knowledge encompassing seven (7) security domains including Access Controls; Security Operations &

Administration; Risk Identification, Monitoring and Analysis; Incident Response and Recovery; Cryptography; Network and Communications Security; and Systems and Application Security.

CET2742C Advanced Networking **Credit Hours: 3**
This course is for support professionals who are new to networking services and will be responsible for installing, configuring, managing, and supporting a network infrastructure that uses various networking services. It also provides students with the prerequisite knowledge and skills required for implementing and administering directory services such as Microsoft Active Directory.

CET3660C CISCO CCNA Security **Credit Hours: 3**
CCNA Security equips students with the knowledge and skills needed to prepare for entry-level security specialist careers. It provides a hands-on introduction to network security.

CGS1060C Computer & Internet Literacy **Credit Hours: 3**
This is an introductory course in basic computer and internet use. It covers computer hardware and software fundamentals (including the use of Windows), key productivity applications (including word processing, spreadsheets, and presentation systems), and living in an online world (including network fundamentals, e-mails, and the effective use of the Internet as a communication tool and information resource). Students will develop basic computer skills to aid them with college studies and workforce readiness. Hands-on use of a personal computer is required.

CGS1510C Electronic Spreadsheet **Credit Hours: 3**
This course provides hands-on applications with a spreadsheet software package. Through lecture and Laboratory practices, students, will develop skills that create, manipulate and utilize spreadsheets.

CGS1540C Database Management **Credit Hours: 3**
This course is an introduction to database management. Using appropriate database software, students will learn to maintain and manipulate data in an organized, accessible and accurate manner. Emphasis is placed on the use of microcomputer database management software for common business applications.

CGS1557C Internet Site Design **Credit Hours: 3**
This course is an entry-level course that provides students with baseline technical knowledge and skills of Internet, intranet, and extranet technologies. Other topics include validating your HTML and CSS code, employing search engine optimization (SEO), using style sheets to format Web page content, and implementing fundamental design concepts. Students will gain a basic knowledge and/or competency of Internet skills and tasks in 2 core content areas: Internet Business Foundations and Site Development Foundations.

CGS2100C Computer Applications **Credit Hours: 3**
This is an intermediate-level course in computer applications software. Students will gain knowledge and experience in the use and capabilities of word-processing, spreadsheet, database, and presentation graphics applications. Through case studies, students will learn to develop comprehensive solutions to various types of problems. Integration between applications will be emphasized.

CGS2554C Web Development 3 **Credit Hours: 3**
This course teaches development of E-Commerce web sites for back-end server applications. It stresses development of database information and manipulation for web delivery. Students should have complete knowledge of HTML and database management, before taking this course. Students will conceptualize and develop E-Commerce web sites.

CHD1320 Curriculum Planning for Early Childhood **Credit Hours: 3**
Content and methods of planning developmentally appropriate activities to enhance children's cognitive, social, emotional, physical and creative development. Lesson plan formats and daily scheduling will be covered.

CHD1331 Creativity for Young Children **Credit Hours: 3**
This course offers an understanding of theory in children's art, music, and movement activities and their practical classroom application through process oriented and teacher activities.

CHD1334 Children's Literature & Language Arts **Credit Hours: 3**
This historical perspective will guide a study of qualitative books, such as fairy tales, folk tales, poems, and nursery rhymes. The role of the teacher in the child's acquisition of communications skills will be investigated.

CHD1338 Math & Science for the Young Child **Credit Hours: 3**
Designed to foster understanding of the development of mathematical thinking and the mental ability of the preschool child. The science portion will enable the pupil to become familiar with the concept and techniques of "sciencing."

CHD1940 Practicum 1: Observation & Evaluation **Credit Hours: 3**
Offers an opportunity to observe children in child care settings, gain understanding of their behavior and evaluate their environments.

CHD2441 Practicum II **Credit Hours: 3**
Facilitates practical experiences in techniques of early childhood education. Requires qualified supervision in a school or center for preschool education.

CHD2800 Admin & Management in Early Childhood Education **Credit Hours: 3**
This course will emphasize the design and operation of a childcare facility. Classroom exposure will emphasize and assess site selection, building design and supervisory functions, equipment selection, activity planning, scheduling, financing, budgeting, record-keeping, and marketing.

CHM1020 Introduction to Chemistry **Credit Hours: 3**
Selected topics from general chemistry, organic chemistry and biochemistry. This course is designed specifically for Nursing and other Allied Health Technology students.

CHM1020L Introduction to Chemistry Laboratory **Credit Hours: 1**
Laboratory experiments to accompany CHM1020.

CHM1032 Chemistry for Health Sciences **Credit Hours: 3**
Selected topics from general chemistry, organic chemistry and biochemistry. This course is designed specifically for Nursing and other Allied Health Technology students.

CHM1032L Chemistry for Health Sciences Laboratory **Credit Hours: 1**
Laboratory exercises to accompany CHM1032.

CHM1040 General Chemistry A (Expanded Sequence) **Credit Hours: 3**
This is the first course in a three semester sequence, CHM1040, CHM1041 and CHM1046. This sequence includes two laboratories: CHM1045L to be taken concurrently with CHM1041 and CHM1046L to be taken with CHM1046. Topics covered include: measurements, stoichiometry, atomic structure, periodic table, chemical bonding, ionic and covalent compounds, nomenclature, and formula writing.

CHM1041 General Chemistry B (Expanded Sequence) **Credit Hours: 3**
This is the second course in a three semester sequence which includes: CHM1040, CHM1041 and CHM1046. This sequence also includes two laboratories: (1) CHM1045L to be taken concurrently with CHM1041 and (2) CHM1046L to be taken with CHM1046. Topics covered include: gases, liquids, solids, solutions acid-base chemistry and ionic reactions, thermodynamics and some descriptive chemistry of non-metals.

CHM1045 General Chemistry 1 **Credit Hours: 3**

This is the first course in a two semester sequence, CHM 1045 and CHM 1046. This sequence includes two laboratories: CHM 1045L to be taken concurrently with CHM 1045 and CHM 1046L to be taken with CHM 1046. This sequence is for students who have already had high school chemistry. Topics covered include: chemical measurements, stoichiometry, atomic structure periodic table, chemical bonding, inorganic compounds, nomenclature, formula writing, gases, liquids, solids, solutions acid-base chemistry and ionic reactions and some descriptive chemistry of non-metals. To enroll, it is strongly recommended that students have had previous chemistry at the high school or college level. If a student has not had prior experience in a chemistry course the CHM 1040/CHM 1041/CHM 1046 sequence is highly recommended.

CHM1045L General Chemistry I Laboratory **Credit Hours: 1**

Laboratory experiments to accompany CHM1041 or CHM1045.

CHM1046 General Chemistry II **Credit Hours: 3**

This is the final course of the two-semester general chemistry sequence: CHM1045 and CHM1046; and the final course of the three-semester general chemistry sequence: CHM1040, CHM1041, and CHM1046. These sequences include two laboratories: (1) CHM1045L to be taken concurrently with CHM1041 or CHM1045, and (2) CHM1046L to be taken with CHM1046. Topics covered include thermodynamics, kinetics, equilibrium, electrochemistry, coordination chemistry, descriptive chemistry of metals, nuclear chemistry and an introduction to organic chemistry.

CHM1046L General Chemistry II Laboratory **Credit Hours: 1**

Laboratory experiments to accompany CHM1046E or CHM1046. Special fee charged. Upon successful completion of this course, the students should be able to use appropriate laboratory equipment to safely perform laboratory experiments that relate to the topics covered in CHM1046 or CHM1046E, to collect data accurately and to use those data to calculate a reasonable answer or come to a logical conclusion.

CHM2210 Organic Chemistry I **Credit Hours: 3**

First part of a two course sequence presenting the structure, preparation, reaction, and nomenclature of various classes of organic compounds and their derivatives. Reaction electronic mechanisms are interpreted and unified in the light of modern theory.

CHM2210L Organic Chemistry I Laboratory **Credit Hours: 1**

Organic laboratory experiments and preparations to accompany CHM2210.

CHM2211 Organic Chemistry II **Credit Hours: 3**

Second of the two-part organic chemistry course. A continuation of the study of the remaining classes of organic compounds including use of spectroscopic methods and an introduction to bio-organic molecules.

CHM2211L Organic Chemistry II Laboratory **Credit Hours: 1**

Appropriate experiments and preparation to compliment CHM2211.

CHM3203 Organic & Biochemistry **Credit Hours: 3**

This course introduces the pre-professional science educator to fundamental organic and biochemical concepts. This is a content course in the B.S. Degree in the BC Science Education Program. The course has been designed to enhance the understanding of organic and biochemical concepts essential for the K-12 classroom. This program has been designed to correlate chemistry concepts with the NSTA National Science Content Standards, the Florida Subject Matter Content Standards, and the Florida Sunshine State Science Standards.

CHM3203L Organic & Biochemistry Laboratory **Credit Hours: 1**

This course accompanies the lectures in CHM3205 Survey of Organic Chemistry and Biochemistry. This is a content laboratory course in the B.S. Degree in the BC Science Education Program. The course has been designed to enhance the understanding of organic and biochemical concepts essential to the K-12 classroom. This program has been

designed to correlate chemistry concepts with the NSTA National Science Content Standards, the Florida Subject Matter Content Standards, and the Florida Sunshine State Science Standards.

CIS1000C Introduction to Computer Science **Credit Hours: 3**
This course is designed to provide students with a broad perspective of the field of Computer Science, from core issues and concepts inherent to the discipline of computing, to the various sub-disciplines of computer science. Topics include: Number Systems and Data Representation; Computer Components and Architecture including Gates and Circuits; Problem Solving and Systems Development Methodologies; Low-Level and High-Level Programming Languages; Abstract Data Representations and Algorithms; Operating Systems, File Systems and Directories; Information Systems; Artificial Intelligence; Simulation, Graphics, and Other Applications; Networks and the World Wide Web.

CIS1001C Fundamentals of Information Technology **Credit Hours: 3**
This course covers the major aspects of the Information Technology (IT) industry and provides students with an overview and introduction to the core aspects of Information Technology including Network and Infrastructure Systems, Information Support and Services, Interactive Media and Programming and Software Development. This course focuses on an understanding and appreciation of the duties of information technology professionals and how each IT area relates to and interacts with the others. Upon completion of this course students will have the knowledge necessary to make educated choices about continued study in IT as well as understanding of the impact of technology on society and organizations of all types.

CIS1513C Project Management **Credit Hours: 3**
This course examines the organization, planning, and controlling of projects and provides practical knowledge on managing project scope, schedule and resources. Topics include project life cycle, work breakdown structure and Gantt charts, network diagrams, scheduling techniques, and resource allocation decisions. Concepts are applied through team projects and tutorials using project management software.

CIS2028 Information Systems **Credit Hours: 3**
This course is designed to provide students with a foundational understanding of Information Systems (IS) as they apply to the computer industry. Topics will include Information Systems fundamentals; IS infrastructure; Organizational and business strategies for Information Systems; Information Systems for commerce and collaboration business intelligence and Enterprise Information Systems; security, privacy and ethics for Information Systems; Change Management and ITIL.

CIS2352C Ethical Hacking I **Credit Hours: 3**
This course provides an in-depth understanding of how to effectively protect computer networks. Students will learn about the tools and penetration testing methodologies used by ethical hackers to protect corporate and government data from cyber-attacks.

CIS2359C Ethical Hacking II: Capstone **Credit Hours: 3**
This course is a continuation of Ethical Hacking I. It supports mastery of the nineteen Certified Ethical Hacking domains. It is a capstone course in which students are assessed based on the objectives of the CEH exam offered by the EC-Council.

CIS2530C Ethical Hacking II: Capstone **Credit Hours: 3**
Web and Data Security provides an overview of session hijacking, how to hack Web servers and database servers, as well as password-cracking techniques and Web application vulnerabilities.

CIS2910C Systems Development Capstone **Credit Hours: 3**
This capstone course is designed for the student to demonstrate his/her knowledge and skills applicable to the Computer Programming and Analysis degree core competencies and outcomes. The course is designed as a project-based experience focusing on the major phases of the System Development Life Cycle. The project requirements will be designed in conjunction with the students area of curriculum emphasis.

CIS2942 Cloud and Virtualization Internship **Credit Hours: 3**
An Internship will provide the student with practical work experience in the field. In preparation, the student will produce a resume to present to potential employers. The student will work a minimum of 144 hours. Prerequisite: All students must contact the Co-Operative Education Office to obtain registration approval.

CIS2943 Ethical Hacking Internship **Credit Hours: 3**
An Internship will provide the student with practical work experience in the field. In preparation, the student will produce a resume to present to potential employers. The student will work a minimum of 144 hours. Prerequisite: All students must contact the Co-Operative Education Office to obtain registration approval.

CIS2949 CO OP Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer.

CIS3347C Information Storage & Management **Credit Hours: 3**
Information Storage and Management (ISM) is a unique course that provides a comprehensive understanding of the various storage infrastructure components in data center environments. It enables participants to make informed decisions on storage-related technologies in an increasingly complex IT environment, which is fast changing with the adoption of software-defined infrastructure management and third platform technologies (cloud, Big Data, social, and mobile technologies). It provides a strong understanding of storage technologies and prepares participants for advanced concepts, technologies, and processes.

CIS4253 Social & Professional Issues in IT **Credit Hours: 3**
In addition to technical skills, an IT professional must understand the social and professional context of IT and computing, and adhere to ethical codes of conduct. This knowledge area covers the historical, social, professional, ethical and legal aspects of computing. It identifies how teamwork is integrated throughout IT and how IT supports an organization. It also stresses professional oral and written communication skills.

CIS4361 Information Assurance & Security **Credit Hours: 3**
The information technology (IT) professional must understand, apply, and manage information assurance and security (IAS) in computing, communication, and organizational systems. It is also important for the IT professional to provide users with a framework to be sufficiently security aware to be an asset to the organization rather than a liability. IAS includes operational issues, policies and procedures, attacks and defense mechanisms, risk analyses, recovery, and information security. It should also be noted that many of the essential educational activities in this knowledge area may be illegal if performed outside a controlled environment, or without proper authorization. It is the responsibility of each individual program to appropriately administer these activities.

CIS4518C PM Quality, Acquisitions, and Risk **Credit Hours: 3**
Within a project management context, this course teaches the contributions of quality experts, provides conceptual material on acquisitions, to include program planning, execution, and control, and will provide students with the needed skills to identify risks and make preparations to diffuse and solve conflicts.

CIS4596 IT Capstone Project **Credit Hours: 3**
This course will give the IT student the ability to utilize what he/she has learned from the IT Program and adapt it to a work environment. This will be accomplished by providing the student a senior project that includes first: project proposal, feasibility studies, identification of intellectual property, and a teamwork environment for project creation, and second; project support which includes: budgets, schedule management, communications through reports and presentations project testing, implementation and final approval.

CJC2000 Introduction to Corrections **Credit Hours: 3**
Introduction to the historical events and social issues that have shaped the corrections (prison/jail) system in the U.S., and an examination of contemporary corrections in terms of structure, clients, management, staff, programs and prisoners' rights.

CJC2162 Probation & Parole Procedures **Credit Hours: 3**
Examines this important community-based treatment aspect of the corrections system, reviews philosophy and development, the pre-sentence investigation, and supervision methods. Juvenile practices are also included.

CJE1300 Intro to Criminal Justice Administration & Management **Credit Hours: 3**
Introduction to principles of administration and managerial concepts characteristic of criminal justice organizations.

CJE2170 Comparative World Police Agencies **Credit Hours: 3**
A survey of contemporary foreign law enforcement and criminal justice systems. Includes the operational and philosophical differences emerging from various cultural and legal systems. This course will include case and group studies of selected countries.

CJE2400 Police Community Relations **Credit Hours: 3**
A consideration of the significance of establishing good working relationships between the police and the public, including the complex factors that lead to successful police community relations.

CJE2580 Interviews & Interrogations **Credit Hours: 3**
This course is designed to cover the techniques, methods, principles and issues of interviews and interrogations for criminal justice officers and investigators. Course offered through Deception Control, Inc., Ft. Lauderdale.

CJE2600 Criminal Investigation **Credit Hours: 3**
The investigation activity of a police department is studied to evaluate its organization, function and relationship with other divisions and agencies. Emphasis is placed on the procedural aspects and methodology employed in the investigative process. The student will know the elements of preliminary and follow-up investigations, to include methods of crime scene search, collection and preservation of evidence, and chain of custody concepts.

CJE2640 Introduction to Criminalistics **Credit Hours: 3**
An introduction to the scientific aspects of investigation known as criminalistics, with emphasis on crime scene techniques, the collection and preservation of evidence and the examination of evidence. Students will be familiarized with the capabilities and limitations of a police laboratory.

CJE2642 Criminalistics Practicum **Credit Hours: 3**
The knowledge and skills developed in the prerequisites are coordinated in practical exercises which will develop expertise in the complete processing of crime scenes.

CJE2643 Advanced Forensic Investigation **Credit Hours: 3**
This course explores the scientific and investigative methods used to solve serious crimes against persons. Topics include the advanced principles and theories in crime scene technology, such as specialized evidence collection, such as gun shot, blood splatter and bodies (distinguishing between causes of death, such as accidental, suicide or homicide; the use of autopsies; child and elderly abuse investigation.)

CJE2722 Polygraph Theory & Operations **Credit Hours: 3**
Includes the history and development of the polygraph with further emphasis on mechanics of instrument operation, maintenance and calibration. Course offered through Deception Control, Inc. Ft. Lauderdale.

CJE2723 Test QUSTN Construction & Semantics/Personnel Screening **Credit Hours: 3**
The construction of test questions appropriate to the personnel aspect of the polygraph is emphasized. Course offered through Deception Control, Inc., Ft. Lauderdale.

CJE2724 Test QUSTN Construction & Semantics/Criminal Cases **Credit Hours: 3**
The construction of test questions appropriate to the criminal case aspect of the polygraph is emphasized. Course offered through Deception Control, Inc., Ft. Lauderdale.

CJE2725 Chart Analysis, Validity & Reliability **Credit Hours: 4**
Validity and reliability of the polygraph is examined, along with an in-depth consideration of chart analysis. Course offered through Deception Control, Inc., Ft. Lauderdale.

CJE2726 Polygraph Operations Practicum **Credit Hours: 3**
Types of polygraph techniques and examinations are considered with emphasis on conducting examinations in role playing situations in the laboratory. Course offered through Deception Control, Inc., Fort Lauderdale.

CJE2770 Forensic Photography & Visual Documentation **Credit Hours: 3**
The student is taught specific skills necessary to visually document and photographically preserve crime scenes and evidence, from both technical and legal standpoints.

CJJ2001 Juvenile Justice **Credit Hours: 3**
An analysis of the criminal justice system as it relates to juveniles. Major topics include: police practices (such as detention, searches and interrogation) when dealing with juveniles, court procedure in juvenile cases and different theories of juvenile rehabilitation.

CJK0001 Introduction to Law Enforcement **Clock Hours: 10.00**
At the end of this course, students should be able to: understand the values and ethics required for criminal justice officers, understand the consequences of sexual harassment, describe the criminal justice system, describe the structure criminal justice agencies.

CJK0012 Legal **Clock Hours: 62.00**
At the end of this course, students should understand the Fourth Amendment related to search and seizure, know what constitutes a lawful arrest, be able to articulate the legal justification for the use of force, understand the Fifth and Sixth Amendments related to interrogation of suspects, determine when a crime has been committed and the elements necessary to make an arrest for that crime, understand the legal rules and concepts of evidence, understand civil and criminal liability related to an officers performance of duties understand an officer's duties and options in civil (noncriminal) incidents, be familiar with the legal considerations when dealing with juveniles.

CJK0013 Interactions in a Diverse Community **Clock Hours: 40.00**
Communicate effectively and professionally when interacting with people in a variety of circumstances, interact with an individual with physical or developmental disabilities, recognize the signs and symptoms specific to the disability, and provide the most appropriate intervention, interact with veterans in crisis, recognize potential emotional triggers, and recommend available resources, interact with persons exhibiting signs of mental illness using communications skills appropriate for the condition of the individual, and understand how to use the Baker Act for an involuntary examination, interact with a person threatening suicide, assess the risk of suicide, and provide services and stabilize the situation, interact with juveniles, assess their behavioral characteristics, and provide the most appropriate response to a call involving a juvenile, interact with a person suspected of substance abuse, apply officer safety skills, and understand how to use the Marchman Act for an involuntary admission, interact with an elderly individual, understand age-related conditions, and make referrals for appropriate intervention interact with homeless individuals, understand the increasing occurrence of homelessness, and identify related crimes, identify a crisis situation, recognize an officers duty to recognize, respond and intervene safely and professionally and understand the options available to the officer, and provide the most appropriate intervention, identify high risk by the groups characteristics and ideology and document criminal or suspected criminal activity.

CJK0014 Interviewing & Report Writing **Clock Hours: 56.00**
At the end of this course, students will: prepare and conduct basic interview to gather information, take notes, identify signs of deception, obtain statements, identify types of reports, forms, and logs, including crime, incident, use of force, disciplinary, traffic crash, organize information chronologically, categorically write reports, apply appropriate grammar and mechanics, apply agency procedures, evaluate report prior to submission, draft probable cause affidavit.

CJK0020 Vehicle Operations **Clock Hours: 48.00**
This course presents the dynamics of emergency vehicle operations and develops skills in operating a motor vehicle in the law enforcement environment. A demonstration of proficiency is required.

CJK0031 First Aid for Criminal Justice Officers **Clock Hours: 40.00**
This course provides life-saving skills development in emergency medical situations appropriate for the law enforcement officer, including: CPR and communicable diseases.

CJK0040 Firearms **Clock Hours: 80.00**
This course develops proficiency with the semi-auto pistol used by a law enforcement officer. Qualification is required at various lighting levels.

CJK0051 CMS Criminal Justice Defensive Tactics **Clock Hours: 80.00**
This course is designed to provide the student defensive skills appropriate for the threat level, within Florida law. Demonstration of proficiency is required.

CJK0064 Fundamentals of Patrol **Clock Hours: 35.00**
At the end of this course, students should be able to use radio equipment properly, identify the uses of mobile computer devices, and understand the uses of FCIC/NCIC/NLETS and other electronic database resources understand community-oriented policing and how it is implemented as a problem-solving model, and identify the SARA problem-solving model and its application in real life situations, understand officer safety issues, identify and avoid fatal errors, identify and manage stress, and maintain mental and physical fitness, prepare to patrol, know what a BOLO is and how to create and cancel a BOLO, respond to a call, approach a suspect, set up a perimeter, conduct a building search, make an arrest, transport a prisoner, and process the prisoner at a detention facility.

CJK0065 Calls for Service **Clock Hours: 36.00**
At the end of this course, students should be able to respond to calls for service, including well-being and security checks, building alarms, environmental hazards, transportation requests, animal complaints, death notifications, and special event security, respond to disturbances, including crowd control, civil disturbances, civil standbys, and disorderly or irate people, respond to court orders, including arrests and civil processes, and assist with the execution of search warrants, respond to calls concerning vehicle fires, unattended, abandoned, or disabled vehicles, and road- way obstructions or damage, enforce parking violations, impound a vehicle, direct vehicle traffic, and direct pedestrian traffic, respond to people in crisis, including suicide incidents, threats from mental impairments, and situations involving alcohol or substance abuse.

CJK0077 Criminal Investigations **Clock Hours: 50.00**
Conduct an initial investigation of crimes against persons, society, property, and economic crimes.

CJK0078 Crime Scene to Courtroom **Clock Hours: 35.00**
At the end of this course, students should be able to: process a crime scene conduct a follow-up investigation provide testimony in different types of court proceedings.

CJK0084 DUI Traffic Stops **Clock Hours: 24.00**
At the end of this course, students should be able to, understand the problem of and solutions for DUI, identify the DUI laws and related legal issues, identify the signs of alcohol or drug impairment, conduct a DUI traffic stop, follow the three-phase process of a DUI contact, demonstrate proficiency in conducting the Standardized Field Sobriety Tests, make an arrest decision based on specific clues, accurately complete the required documentation for a DUI arrest, provide clear and convincing evidence of DUI in court testimony.

CJK0087 Traffic Stops **Clock Hours: 30.00**
At the end of this course, students should be able to: safely pull over a vehicle, identify and articulate the stop/violation, obtain necessary information from the driver/passenger, safely complete the stop, safely effect an arrest, accurately complete the required documentation for a traffic stop.

CJK0088 Traffic Crash Investigation Terms & Legal Considerations **Clock Hours: 32.00**
Define and explain the terms and legal considerations associated with crash investigations Respond to a crash scene safely, Assess a crash scene properly, Secure a safe work environment at a crash scene, Provide emergency medical assistance to injured people at a crash scene, if necessary, Obtain pertinent information about a crash to determine how and why it occurred, Identify crimes revealed during a crash investigation, if any, Return a crash scene to normal as quickly as possible, Complete driver exchange of information properly, Take appropriate enforcement action, Document a crash correctly in appropriate crash report form.

CJK0092 Critical Incidents **Clock Hours: 44.00**
At the end of this course, students should be able to do the following: complete and pass Unit 1, IS-100.LEb Introduction to the Incident Command System and Unit 2, IS-700.a National Incident Management (NIMS), An Introduction, understand local emergency response plans, law enforcement duty-to-act requirements, and the role of law enforcement officers as first responders, know how to respond to an active shooter incident, plan for response to a natural disaster, identify weapons of mass destruction (WMD) and properly respond to WMD incident, including IEDs and VBIEDs, be aware of hazardous material class, name or identification number, identify actions to take to isolate a hazmat incident and choose protective actions to take in accordance with the Emergency Response Guidebook (ERG), recognize the indicators of and paraphernalia used in the manufacture of methamphetamine, describe the indicators of chemical suicide, properly respond to a bomb threat, assess the scene, and search a building or suspected bomb site.

CJK0096 Criminal Justice Officer Phys Fit Training-LE **Clock Hours: 60.00**
This course is designed to introduce the student to physical conditioning, aerobic capacity, and wellness conditioning and training.

CJK0221 Correctional X-Over to Law Enforce Intro & Legal **Clock Hours: 47.00**
This course is designed to provide transitioning officers a variety of introductory and legal training topics required for the new discipline (and not previously completed by the officer). In addition, this course is mandated by the Florida Criminal Justice Standards and Training Commission for inclusion in the Crossover from Correctional Officer to Law Enforcement Officer training program effective April 1, 2008. This is a limited access course. It requires active certification and employment as a State of Florida correctional officer.

CJK0222 Correctional X-Over to Law Enforcement Comm. **Clock Hours: 56.00**
This course is designed to provide transitioning officers specific communication skills required for the new discipline (and not previously completed by the officer).

CJK0223 Correctional X-Over to Law Enforcement Human **Clock Hours: 32.00**
This course is designed to provide transitioning officers specific skills related to human issues required for the new discipline (and not previously completed by the officer). These issues include, but are not limited to, crisis intervention, disability awareness, and responding to juveniles.

CJK0271 Correctional Probation Legal **Clock Hours: 57.00**
This course presents the structure and components of the Florida criminal justice system and the laws governing the duties of Correctional Probation.

CJK0272 Correctional Probation Interpersonal Comm. Skill **Clock Hours: 44.00**
This course presents the topics of interpersonal skills, verbal and written communication, officer survival, conflict resolution, crisis intervention and suicide prevention/intervention. Emphasis is on communications.

CJK0273 Correctional Probation Caseload Management **Clock Hours: 40.00**
This course presents the caseload management procedures for Correctional Probation Officers.

CJK0274 Correctional Probation Supervision **Clock Hours: 88.00**
This course presents the characteristics and behaviors of people a Correctional Probation Officer must supervise and the procedures and strategies for dealing with individuals under supervision.

CJK0275 Correctional Probation Investigations **Clock Hours: 39.00**
This course presents the techniques needed for a Correctional Probation Officer to conduct and document successful investigations.

CJK0276 Correctional Probation Management Info Systems **Clock Hours: 27.00**
This course presents the fundamentals of the electronic information systems a Correctional Probation Officer must access.

CJK0281 Criminal Justice Officer Phys Fit Training CPO **Clock Hours: 34.00**
This course is designed to introduce the student to physical conditioning, aerobic capacity, and wellness conditioning and training. It will help the student to better understand the need for a criminal justice officer to maintain physical conditioning.

CJK0293 Corr/Corr Prob to LE Overview of Law Enforcement **Clock Hours: 64.00**
At the end of this course, students should be able to: understand the values and ethics required for criminal justice officers, understand the consequences of sexual harassment, describe the criminal justice system, describe the structure of criminal justice agencies, understand the Fourth Amendment related to search and seizure, know what constitutes a lawful arrest, understand the Fifth and Sixth Amendments related to the interrogation of suspects determine when a crime has been committed and the elements necessary to make an arrest for that crime, understand the legal rules and concepts of evidence, be able to articulate the legal justification for the use of force, understand an officers duties and options in civil (noncriminal) incidents, be familiar with the legal considerations.

CJK0295 Crossover Correctional to Law Enforcement **Clock Hours: 35.00**
The goal of this course is to prepare recruits physically to perform the duties of law enforcement, correctional or correctional probation officer. Students are required to participate in the total number of wellness hours associated with this cross-over training program.

CJK0296 Correctional to LE Reporting Procedures **Clock Hours: 32.00**
Prepare and conduct basic interview, gather information, take notes, identify signs of deception, obtain statements, identify types of reports, forms, and logs, including: crime, incident, use of force, disciplinary, traffic crash, organize information chronologically, categorically, write reports, apply appropriate grammar and mechanics, apply agency procedures, evaluate report prior to submission.

CJK0297 Correctional to LE Interactions to Crisis Situations **Clock Hours: 10.00**
At the end of this course, students should be able to: identify a crisis situation, recognize an officers duty to recognize, respond and intervene safely and professionally and understand the options available to the officer, and provide the most appropriate intervention, interact with a person threatening suicide, assess the risk of suicide, and provide services and stabilize the situation, understand how to use the Baker Act for an involuntary examination understand how to use the Marchman Act for an involuntary admission, interact with veterans in crisis, recognize potential emotional triggers, and recommend available resources, identify high risk groups by the groups characteristics and ideology and document criminal or suspected criminal activity.

CJK0300 Introduction to Corrections **Clock Hours: 32.00**
At the end of this course, students should be able to: understand the values and ethics required of criminal justice officers; understand amendments to the U.S. constitution applicable to corrections; determine when a crime has been committed; understand the chain of custody and concepts of evidence; be able to articulate the legal justification for the use of force; understand civil and criminal liability as related to an officer's performance of duties; understand the Fourth Amendment.

CJK0305 Communications **Clock Hours: 40.00**

At the end of this course, students should be able to: interact professionally with inmates, visitors, and staff in a correctional setting; identify the root causes of miscommunication; use, understand, and interpret non-verbal cues; communicate properly using telephone equipment; communicate properly using portable radio unit; prepare for and conduct an interview; take notes; obtain statements when appropriate; sort information by category; arrange information in chronological order; follow correct format and content when writing a report; identify types of correctional officer reports; use proper elements of report writing; proofread and edit reports; write reports; use a computer for report writing. Course Requirements: students are responsible for reading and reviewing reports.

CJK0310 Officer Safety **Clock Hours: 16.00**

At the end of this course, students should be able to: interact professionally with inmates, visitors, and staff in a correctional setting; identify the root causes of miscommunication; use, understand, and interpret non-verbal cues; communicate properly using telephone equipment; communicate properly using portable radio unit; prepare for and conduct an interview; take notes; obtain statements when appropriate; sort information by category; arrange information in chronological order; follow correct format and content when writing a report; identify types of correctional officer reports; use proper elements of report writing; proofread and edit reports; write reports; and use a computer for report writing.

CJK0315 Facility & Equipment **Clock Hours: 8.00**

At the end of this course, students should be able to complete the following tasks within a correctional facility: identify common equipment; identify hazardous equipment; interpret responsibilities for equipment accountability; describe equipment storage procedures; list common procedures for issuing, receiving and documenting inventoried equipment; differentiate among weapons; list types of security equipment; identify hazardous materials; identify sensitive supplies; describe the proper handling of sensitive supplies; identify standards for security and inspections; describe methods for entering, exiting and moving within a facility; list elements important to maintaining good sanitation and health.

CJK0320 Intake & Release **Clock Hours: 18.00**

At the end of this course, students should be able to: understand the process for accepting a subject into a county detention facility; understand the process for accepting an inmate into a state detention facility; search an inmate and his or her property for contraband; inventory an inmate's property for storage; know types of personal items issued to inmates; understand the importance of taking clear fingerprints; fingerprint a subject; know the relationship between the Florida Crime Information Center and the National Crime Information Center (FCIC/NCIC); understand the importance of getting accurate personal information from an inmate; know the legal issues involving criminal history information; understand the classification process for placing inmates in appropriate housing areas; know inmate security levels; understand the process for releasing an inmate; explain how to check for any outstanding holds or detainers on an inmate.

CJK0325 Supervising in a Correctional Facility **Clock Hours: 40.00**

At the end of this course, students should be able to: effectively supervise daily operations at a correctional facility; apply the disciplinary process when an inmate commits a rule or law violation; recognize an inmate's distress or need, assess and refer an inmate to the appropriate service provider; manage the safety and security concerns associated with visitations, work-groups, transports and hospital details; use observational skills to monitor the behavior and activities of inmates; apply count procedures to accurately report the number of inmates within a facility/location; effectively supervise and monitor the dining process within a correctional facility; process mail according to agency rules and regulation.

CJK0330 Supervising Special Populations **Clock Hours: 20.00**

At the end of this course, students should be able to: observe, identify, and effectively supervise diverse special population inmates within a housing unit in a correctional setting; maintain officer safety and a high level of professionalism when supervising special population inmates in a correctional setting; maintain care, custody, and control of special population inmates within a housing unit in a correctional setting.

CJK0335 Responding to Incidents & Emergencies **Clock Hours: 16.00**

At the end of this course, students should be able to: identify and interpret the response to an emergency; describe the elements of an emergency plan and level of response; identify standard procedures and equipment used when

responding to the following emergencies: - inmate escapes - medical emergencies - riots - hostage incidents - facility assaults - fires - hazardous materials - bomb threats - man-made and natural disasters; select the standard procedures for crime scene control; describe how to manage victims, witnesses and suspects; explain investigation and reporting techniques; describe procedures for the chain of custody for evidence.

CJK0340 Officer Wellness & Physical Abilities **Clock Hours: 30.00**
At the end of this course, students should be able to do the following: improve their score on the final fitness evaluation; improve understanding of various elements of wellness, e.g., nutrition, weight control, and stress management; adapt a foundation for lifelong fitness.

CJK0392 Crossover Handgun Transition Course **Clock Hours: 24.00**
Course is based on the current curriculum as developed by the Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission. This course is designed to familiarize the student with the safe weapon handling and identification of weapon nomenclature, parts and ammunition, handgun drawing and holstering, weapon loading and unloading, basic shooting principles, proficiency on the CJSTC Criminal Justice Firearms Courses of Fire with a handgun during daylight and nighttime, proficiency for weapon handling, and proper intervention for weapon malfunctions.

CJK0393 Cross Over Program Updates **Clock Hours: 8.00**
This course is designed for instructors to deliver expanded updated instruction on curriculum topics contained in this cross-over program. The eight hours do not have to be taught in one block but may be distributed as needed throughout the program with the approval of the Training Center Director. For example, additional time may be used to integrate updated techniques or instruction from the high liability textbook, apply relevant case law, or review topics from the curriculum textbook not specifically designated for classroom instruction in this cross-over program.

CJK0422 Dart-firing Stun-gun **Clock Hours: 8.00**
This course will introduce the student to the basics of both the stun-gun and the dart-firing stun-gun, and give them some fundamental knowledge of this emerging tool in criminal justice.

CJK0441C Police Service Aide **Clock hours: 110.00**
This course is designed to provide students the minimum skills necessary to perform the duties of a Police Service Aide (PSA) and is approved by the Criminal Justice Standards and Training Commission as prescribed by Florida State Statute 316.640.

CJK0442 Traffic Accident / Crash Investigator **Clock Hours: 80.00**
This course is designed to provide students the minimum skills necessary to perform the duties of a Parking Enforcement Specialist (PES) and is approved by the Criminal Justice Standards and Training Commission as prescribed by Florida State Statute 316.640.

CJK0451 Parking Enforcement Specialist **Clock Hours: 16.00**
This course is designed to provide students the minimum skills necessary to perform the duties of a Parking Enforcement Specialist (PES) and is approved by the Criminal Justice Standards and Training Commission as prescribed by Florida State Statute 316.640.

CJL1062 Constitutional Law **Credit Hours: 3**
An examination of the U.S. Constitution, its amendments and its impact on present day criminal justice practitioners.

CJL1100 Criminal Law **Credit Hours: 3**
Course will be concerned with the sources and elements of criminal law. Emphasis will be placed on criminal law as related to law enforcement officers with particular attention given to the rights and responsibilities of officers in enforcing various criminal laws.

CJL1130 Criminal Evidence & Court Procedures **Credit Hours: 3**
An examination of the rules governing admissibility of evidence, specifically as they affect the law enforcement officer in

the processes of arrest, use of force, search and seizure, presentation and custody of evidence, testimony and court procedure.

CJL1140 Correctional Law **Credit Hours: 3**
A course in practical law for correctional personnel. Study includes law regulating use of force, civil rights of prisoners, constitutional law, legal service, disciplinary procedures, parole and current case law.

CJL2060 Civil Rights **Credit Hours: 3**
A survey course of the Federal Rights legislation to include the 13th through 15th Amendments of the Reconstruction Era and the Civil Rights legislation of the 60's. Special topics include consideration of the American Disabilities Act, Age Discrimination in Employment Act, Equal Employment Opportunities Act, Equal Pay Act, Affirmative Action, and Sexual Harassment.

CLP2140 Abnormal Psychology **Credit Hours: 3**
This course concentrates on the explanation of psycho-logical abnormality including symptomatic patterns, causation, and treatment approaches of psychological disorders. This course discusses several types of psychological disturbances and maladaptive behaviors as well as the various diagnostic categories and criteria, terminology, and therapeutic approaches associated with each.

CNT3014C Enterprise System Integration **Credit Hours: 3**
This course will demonstrate how to integrate Apple, Windows, UNIX, and Linux machines into one cohesive network using LDAP. Storing networking services data in a directory service will also be described. Also, there will be a discussion about using dynamic web languages and LDAP to integrate web applications into an enterprise system.

CNT3504 Networking **Credit Hours: 3**
This course teaches the concepts necessary to design, deploy, integrate and administer a communications infrastructure. This course includes data communication concepts that cover telecommunications, the Internet and Internetworking principles.

CNT3604 System Administration & Maintenance **Credit Hours: 3**
This course will provide the IT professional with the knowledge and the management tools that are needed to design, select, apply, and deploy computer systems. The learned outcomes will allow the student an understanding in system administration concepts that will cover software, hardware, system types, databases, communications documentation, internet, and maintenance.

CNT3702 Infrastructure & Facilities Planning **Credit Hours: 3**
Students integrate computer and networking hardware and software into a robust, secure, redundant and resilient infrastructure. Students will research and present findings related to enterprise projects in computer networking design. In addition to the technical requirements the student will learn the business principles of economies of scale, service level agreements, request for proposals, and outsourcing.

CNT3721C Virtualization Concepts & Implementation **Credit Hours: 3**
This course offers an in-depth look at virtualization concepts, with an overview of virtualization products. Students will learn to create, configure and manage various types of virtual machines.

CNT4422C Cloud Security (CCSP) **Credit Hours: 3**
A CCSP applies information security expertise to a cloud-computing environment and demonstrates competence in cloud security architecture, design, operations, and service orchestration. This professional competence is measured against a globally recognized body of knowledge.

COM2336 Computer Mediated Communication **Credit Hours: 3**
This course provides the beginning programming student with the techniques necessary to write well-documented,

structured computer programs. The course is intended to emphasize the planning process using examples involving sequence, selection, and iteration. The course is designed to promote good programming practices for further study of other programming languages.

COM2370 New Media Communication Applications I **Credit Hours: 3**
Course examines current trends and issues in new media communication while also equipping students with the skills necessary to use various digital applications for internal and external communication strategies and content-delivery. The course explores transformations inherent in the digital domain and the associated social and cultural ramifications for new media communication leadership/management.

COM2371 New Media Communication Applications II **Credit Hours: 3**
Course examines and identifies various theories and best practices related to organizational and network communication solutions while also introducing students to appropriate transmedia platforms and strategies in view of the creation of digitally/new media-based branding messages.

COM2372 New Media Communication for Business **Credit Hours: 3**
A theoretical and practical course designed to meet the needs of the business and professional community. Students will learn how organizations engage with the challenges that result from the emergence of new media communication technologies and platforms. The course introduces students to processes by which organizations develop their corporate strategies, business plans, marketing and production operations as they respond to radical changes in new media communication technology.

COM2412 Communication Methods and Culture **Credit Hours: 3**
This course explores the fascinating relationship between communication and culture as well as the development of systems and methods of research of/for new media delivery. It focuses on how culture affects communication processes, allows students to develop their intercultural communication skills and increases students' sensitivity to other cultures while teaching students introductory concepts related to communication research design, methods, data collection, and analysis.

COM2941 New Media Communication Internship **Credit Hours: 3**
This course functions as the capstone for the AS in New Media Communication. Internship with appropriate business applying knowledge and skills related to new media communication.

COP1000C Introduction to Computer Programming **Credit Hours: 3**
This course provides the beginning programming student with the techniques necessary to write well-documented, structured computer programs. The course is intended to emphasize the planning process using examples involving sequence, selection, and iteration. The course is designed to promote good programming practices for further study of other programming languages.

COP1210C Programming I **Credit Hours: 3**
This course provides an introduction to the fundamental concepts, methodologies, and techniques associated with Object Oriented Programming. The course is intended to provide the novice programming student with the techniques needed to develop well-documented computer programs.

COP1258C Secure Coding **Credit Hours: 3**
The ability to solve problems creatively using computational methods. This course is designed for students who are not intent on becoming computer programmers, but are interested in understanding the principles that govern object-oriented programming and secure software development that tries to limit security vulnerabilities.

COP1334C Introduction to C++ **Credit Hours: 3**
This course provides an introduction to computer program design and development using the C++ language. A structured, multi-phase, program development process featuring a series of steps involving problem definition, top-down design, and formal program specification is stressed. The course is intended to provide the novice programming student with the techniques needed to develop well-documented, structured computer programs.

COP1702C Introduction to Database & MySQL **Credit Hours: 3**
This course gives students an introduction to MySQL. Students will learn the design and creation of Object-Oriented Databases (using MySQL). Topics will include storing, retrieving, updating and displaying data using MySQL from Oracle.

COP2071C Database Design & Programming Using SQL **Credit Hours: 3**
This course provides the student with a solid foundation in Relational Database Management Systems and RDBMS technology. It emphasizes an end-to-end solution, beginning with requirements and progressing through conceptual design, logical database design, physical database design, and implementation, using a RDBMS and the SQL language. It involves extensive database manipulation and querying using SQL. It also stresses transaction management concepts, data integrity constraints, and performance issues.

COP2111C Intermediate Web Scripting **Credit Hours: 3**
This course covers intermediate client and server side scripting concepts. Students will learn how to incorporate HTML5 APIs, AJAX, XML and JSON in web sites as well as use popular client and server side scripting libraries and frameworks in web site development.

COP2171C Visual Basic Programming **Credit Hours: 3**
This course teaches how to create Visual Basic based programs. Students write programs that access databases, use OLE to integrate applications, and act as an OLE Server and as an add-in. This class assumes a working knowledge of basic programming.

COP2335C Intermediate C++ Programming **Credit Hours: 3**
This course continues the study of structured programming and the C++ language begun in COP1334C. Topics will include classes, polymorphism, inheritance, streams, templates, exception handling dynamic memory allocation, and memory management. An introduction to data abstraction and data structures is also included.

COP2360C C# Programming **Credit Hours: 3**
This course teaches students how to create C# programs and gives the student a solid foundation on building applications using an object-oriented /event-driven language. Students will write programs using C# controls and their main properties, methods and events. Students will also write programs that access sequential access files and will learn basic programming structures and manipulation of arrays in C#. The class assumes a working knowledge of basic programming control structures.

COP2361C Object-oriented Analysis & Design **Credit Hours: 3**
This course focuses on the object-oriented software development process, including object-oriented methodologies and workflows. Students will be able to determine the Use Cases and Domain Model of the problem domain. Create a system design supporting functional requirements. Create a system architecture supporting the nonfunctional requirements and development constraints.

COP2658C IPhone Application Development **Credit Hours: 3**
In this course, students will learn how to create mobile applications that can be deployed to iOS smartphones, tablets or simulators utilizing standard tools for development. Emphasis will be placed on learning the underlying iOS framework and components in order to create quality mobile applications.

COP2660C Android Application Development I **Credit Hours: 3**
This course teaches the principles of Android application development. Students will learn how to create mobile applications for deployment to Android smartphones, tablets or simulators utilizing open source software (Java. Eclipse IDE, Android Plug-In and Android SDK) for deployment. Emphasis will be placed on the underlying Android Framework to create quality applications.

COP2800C Programming in JAVA **Credit Hours: 3**
This course introduces students to the JAVA Programming Language. Upon successful completion of this course, the students should be able to create Java programs that leverage the object-oriented features of the Java language, such as

encapsulation, inheritance and polymorphism; use data types, arrays and other data collections; implement error-handling techniques using exception handling, create an event-driven GUI using Swing components; and implement I/O functionality to read from and write to text files.

COP2821C Visual Basic Development **Credit Hours: 3**
This course focuses on how to create an active X control, how to create a component object model (COM), how to incorporate active X and COM components within a visual basic program, how to write visual programs that access a database, and how to incorporate Internet technologies into a visual application.

COP2940 Web Programming Internship **Credit Hours: 3**
An Internship will provide the student with practical work experience in the field. In preparation, the student will produce a resume to present to potential employers. The student will work a minimum of 144 hours. Prerequisite: All students must contact the Co-operative Education Office to obtain registration approval.

COP3125C Web Development I **Credit Hours: 3**
Organizations typically use many disparate technologies that need to communicate and work with each other. A key component to the discipline of information technology is the integration of applications and systems. This knowledge area examines the various types of programming languages and their appropriate use. It also addresses the use of scripting languages, architectures, application programming interfaces and programming practices to facilitate the management, integration and security of the systems that support an organization.

COP3265C Web Development II **Credit Hours: 3**
This course provides students with a strong foundation in Web Programming and Front End Web Development.

COP4370C Web Development III **Credit Hours: 3**
This course introduces students to the database portion of a web application, and students will learn about Project and Product Management in web design.

COP4450C Web Development IV **Credit Hours: 3**
This course covers Advanced Front End Web Development, and will dive deeper into the popular front end frameworks that shape the web today. Specific topics will be covered based on current web development need, as well as current trends in the job market.

COP4850 Web Development Capstone **Credit Hours: 3**
This capstone course will provide the opportunity for the student to demonstrate that he/she has learned material during the program and can apply it to a current issue. It should be taken during the student's last semester in the program. It provides the student with the opportunity to develop a plan to address one specific problem related to their specialization in detail.

COP4858 Integrative Programming & Technologies **Credit Hours: 3**
Organizations typically use many disparate technologies that need to communicate and work with each other. A key component to the discipline of information technology is the integration of applications and systems. This knowledge area examines the various types of programming languages and their appropriate use. It also addresses the use of scripting languages, architectures, application programming interfaces and programming practices to facilitate the management, integration and security of the systems that support an organization.

COP4940 Web Development Internship **Credit Hours: 3**
An Internship will provide the student with practical work experience in the field. In preparation, the student will produce a resume to present to potential employers. The student will work a minimum of 144 hours. Prerequisite: All students must contact the Co-operative Education Office to obtain registration approval.

CPO2002 Introduction to Comparative Government **Credit Hours: 3**
This course is a survey of political systems in the developed and the underdeveloped world. Democratic, non-Democratic, unitary and Federal systems will be analyzed and contrasted. Also the European community will be examined as an example of multinational cooperation.

CPO2140 Government & Politics of Spain **Credit Hours: 3**
An introduction to the understanding of Spain's govern-mental process, with emphasis on the structure of Spanish politics, the constitutional framework, the working of the bureaucracy, and the role of interest groups within the context of Spain's constitutional setting.

CRW1001 Creative Writing I **Credit Hours: 3**
The course is structured toward producing literary fiction, poetry, dramatic forms, creative non-fiction and other original expression. Student writing will be the primary basis for critical discussion with emphasis on fundamental aspects of poetry, fiction, and/or drama, as illustrated in master writers' work and demonstrated in student work. Lectures, readings, craft analysis, discussions, exercises and workshops provide students with the opportunity to develop the craft of creative writing.

CRW1100 Fiction Writing **Credit Hours: 3**
Lectures, readings, craft analysis, discussions, writing exercises, and workshops provide students with the opportunity to analyze fiction and practice the craft of writing fiction. The course is structured toward producing literary fiction. Student writing and master writers' works will be the primary basis for critical discussion, with an emphasis on the fundamental aspects of fiction.

CRW1300 Poetry Writing **Credit Hours: 3**
The course is structured toward producing poetry. Student writing will be the primary basis for critical discussion with emphasis on fundamental aspects of poetry, as illustrated in master writers' work and demonstrated in student work. Lectures, readings, craft analysis, discussions, exercises and workshops provide students with the opportunity to develop the poetic creative writing craft.

CRW2002 Creative Writing Workshop II **Credit Hours: 3**
A continuing development of creative writing ability.

CRW2003 Advanced Creative Writing Workshop **Credit Hours: 3**
A continuing development of creative writing ability. Students may work on independent writing projects. Directed independent study. Instructor's Approval.

CRW2005 Advanced Creative Writing Workshop **Credit Hours: 1**
A continuing development of creative writing ability. Students may work on independent writing projects. Directed independent study. Instructor's Approval.

CTS1106C Unix **Credit Hours: 3**
The UNIX Operating System Essentials course provides instruction in the key features and capabilities of the UNIX OS. Topics include e file and directory management, controlling the user work environment, archiving files and using remote commands. In addition, this course explains fundamental command-line features of the UNIX OS, including file system navigation, the VI text editor, file permissions, access control lists (ACLs), command shells, file compression, basic network use, and reading shell scripts. This course prepares students to take the Sun Certified Solaris Associate (SCSAS) Exam.

CTS1111C Linux + **Credit Hours: 3**
This course provides students with the knowledge and skills necessary to effectively administer Linux workstations and servers. Students will plan, install, maintain, and troubleshoot Linux operating system services. The skills developed by students completing this course will help prepare them for the CompTIA Linux+ certification exam.

CTS1133C A+ Essentials **Credit Hours: 3**
This course provides students with the knowledge required to assemble components based on customer requirements, install, configure and maintain devices, PCs and software for end users, understand the basics of networking and security/forensics, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills. Successful candidates will also provide appropriate customer support; understand the basics of virtualization, desktop imaging, and deployment.

CTS1134C Network+ **Credit Hours: 3**
This course provides students with important knowledge and skills required to implement a defined network architecture with basic network security to configure, maintain, and troubleshoot network devices using appropriate network tools, to understand the features and purpose of network technologies, and to make basic solution recommendations, analyze network traffic, and be familiar with common protocols and media types.

CTS1145C Cloud Essentials & Storage+ **Credit Hours: 3**
This course will provide students with the knowledge and understanding of the main cloud computing principles and concepts. Additionally, student will learn about the fundamentals of business continuity, application workload, system integration, and storage/system administration, while performing basic troubleshooting on connectivity issues and referencing documentation. Successful students in this class will be prepared to sit for the CompTIA Cloud Essentials and CompTIA Storage+ exams.

CTS1212C Adobe Photoshop **Credit Hours: 3**
This Adobe course teaches students how to fully utilize the latest Adobe Photoshop image editing tool to create and manipulate images. The course includes hands-on experiences with exercises and projects to provide students with a thorough working knowledge of Adobe Photoshop. In this course students learn to paint and retouch images, use layers, support video, work with vector tools, manage digital assets, work with RAW camera files, manage color, and prepare images for output to the web. The skills developed by students completing this course will help prepare them for the Adobe Certified Associate certification exam.

CTS1214C Microsoft Project **Credit Hours: 2**
In this course, students will learn to manage project resources, task assignments and scheduling using Microsoft Project in support of workforce skills. They will also learn about the integration and tracking of multiple projects and programs.

CTS1390C Installing & Configuring Windows Server 2012 **Credit Hours: 3**
This course will give students the initial skills to implement and configure Windows Server 2012 core services, such as Active Directory and the networking services.

CTS1391C Administering Windows Server 2012 **Credit Hours: 3**
This course will give students the skills to maintain a Windows Server 2012 infrastructure, such as user and group management, network access and data security.

CTS1392C Configuring Advanced Windows Server 2012 **Credit Hours: 3**
This course will give students necessary skills to deploy, manage and maintain a Windows Server 2012 infrastructure, such as fault tolerance certificate services, and identity federation.

CTS1806C Advanced Website Design & Development **Credit Hours: 3**
This course teaches students how to use the Adobe Dreamweaver Integrated Development Environment. Students learn Project requirements, website usability, using rich media content, content control tools, website building techniques, collaboration and Site testing, and how to manage and maintain websites. Students will also use advanced CSS techniques to create sites to the latest W3C standards.

CTS1808C Website Animation **Credit Hours: 3**
This course teaches students how to produce vector-based animations for the Web using various tools like Adobe Flash (which is the industry-standard software for developing interactive experiences on the Web, desktops, mobile devices, and tablets), and the HTML5 canvas tag combined with CSS and JavaScript.

CTS1851C Certified Internet Webmaster Foundations **Credit Hours: 3**
This course is an entry-level course that provides students with baseline technical knowledge and skills of Internet, intranet, and extranet technologies. Students will gain a basic knowledge and/or competency of Internet skills and tasks in 3 core content areas: Internet Business Foundations, Site Development Foundations, and Network Technology Foundations. The skills developed by students completing this course will prepare them for the CIW Foundations

certification exam.

CTS2120C Security+ **Credit Hours: 3**
This course provides the student with an understanding of the computer, network, infrastructure, and information security issues faced by industry worldwide. Expertise necessary to combat and protect intellectual property from theft and destruction are also developed. The skills developed by students who complete this course will prepare them for the Security+ certification exam.

CTS2131C A+ Practical **Credit Hours: 3**
This course provides students with the skills required to install, configure, upgrade, and maintain PC workstations, the Windows OS and SOHO networks, in addition the student will be able to utilize trouble-shooting techniques and tools to effectively and efficiently resolve PC, OS, and network connectivity issues and implement security practices.

CTS2148C Project+ **Credit Hours: 3**
This course reviews the entire project life cycle, and thoroughly prepares students for the Project+ certification exam offered by CompTIA.

CTS2156C Microsoft Enterprise Desktop Support **Credit Hours: 4**
This Microsoft IT Academy course teaches students the skills to support end users who run Microsoft Windows and applications that are included with the operating system, such as productivity applications used in a corporate environment and Microsoft Office applications. It provides students with the knowledge and skills needed to isolate, document and resolve problems on a Windows desktop or laptop computer and a working knowledge of operating in an Active Directory domain environment. The course includes the skills needed to resolve operating system issues by telephone, email, connecting to an end user's system remotely, or by visiting an end user's desktop.

CTS2314C Network Defense & Countermeasures **Credit Hours: 3**
Students will take an in depth look at network defense concepts and techniques. They will examine theoretical concepts that make the world of networking unique. Along with examining different network defense strategies, this course will explore the advancement of network implementation, as well as, timeless problem solving strategies. The course also covers developing and implementing a security policy.

CTS2375C Cloud+ **Credit Hours: 3**
This course will provide students with the knowledge and skills required to understand standard Cloud terminologies/methodologies, to implement, maintain, and deliver cloud technologies and infrastructures (e.g. server, network, storage, and virtualization technologies), and to understand aspects of IT security and use of industry best practices related to cloud implementations and the application of virtualization. Successful students in this class will be prepared to sit for the CompTIA Cloud+ exam.

CTS2383C Managing a Server Network Operating System **Credit Hours: 3**
This course provides students with the knowledge and skills necessary to install and configure a network server and perform post-installation and day-to-day administrative tasks. The course gives the student the background needed to provide technical support for network servers. This course is taught using a network operating dictated by industry conditions. When taught using the Windows 2008 platform this course will assist the student in preparing for the related Microsoft certification examination.

CTS2393C Designing & Implementing a Server Infrastructure **Credit Hours: 3**
This course will give students the skills and knowledge necessary to design, implement and maintain a Windows Server 2012 Infrastructure in an enterprise scaled, highly virtualized environment.

CTS2394C Implementing Advanced Server 2012 Infrastructure **Credit Hours: 3**
This course will give students the skills and knowledge necessary for planning, designing and deploying a Windows Server 2012 highly virtualized infrastructure including the Active Directory, storage, security and networking services.

CTS2395C Implementing a Desktop Infrastructure **Credit Hours: 3**
This course will give students the skills and knowledge necessary to plan, configure, and implement of the Windows

Server 2012 desktop services, such as desktop imaging and deployment application / desktop virtualization, and RDP access and infrastructure.

CTS2396C Implementing Desktop Application Environments **Credit Hours: 3**
This course will give students the skills and knowledge necessary to plan, configure, and implement of the Windows Server 2012 desktop services, such as desktop imaging and deployment, application / desktop virtualization, and RDP access and infrastructure.

CTS2420C Microsoft: .NET Foundations **Credit Hours: 3**
In this advanced course, students with previous Windows Forms development experience gain more advanced Windows Client design and development skills. WinForms and WPF programming models, as well as relative strengths and when to use each technology, are covered.

CTS2434C Microsoft SQL Server Developer I **Credit Hours: 3**
This course teaches students how to implement a Reporting Services solution in an organization. The course discusses how to use the Reporting Services development tools to create reports, and how to use the Reporting Services management and administrative tools to manage a Reporting Services solution.

CTS2437C Microsoft SQL Server Database Administration I **Credit Hours: 4**
This course provides students with the knowledge and skills to maintain a Microsoft SQL Server database. The course focuses on teaching individuals how to use SQL Server product features and tools related to maintaining a database.

CTS2438C Microsoft SQL Server Database Administration II **Credit Hours: 4**
This course provides students with the knowledge and skills to design, optimize, and maintain a database administrative solution for Microsoft SQL Server.

CTS2445C Oracle Developer **Credit Hours: 3**
This course starts with an introduction to PL/SQL and proceeds to list the benefits of this powerful programming language. Students are made aware of how to create PL/SQL blocks of application code that can be shared by multiple forms, reports, and data management applications. In addition, creation of anonymous PL/SQL blocks as well as stored procedures and functions are covered in this course. Students enhance their developer skills by learning to develop, execute, and manage PL\SQL stored program units such as procedures, functions, packages, and database triggers. Understanding the basic functionality of how to debug functions and procedures using the SQL Developer Debugger gives way to refined lines of code. Students also learn to manage PL/SQL subprograms, triggers, declaring identifiers, and trapping exceptions. The utilization of some of the Oracle-supplied packages is also in the course. Additionally students learn to use Dynamic SQL, understand design considerations when coding using PL/SQL, understand and influence the PL/SQL compiler, and manage dependencies. This course is designed to prepare students for the corresponding Oracle PL/SQL Developer Certification exam.

CTS2446C Oracle Developer II **Credit Hours: 3**
Oracle Forms Developer is used to build high performance applications for the Internet. Forms Developer is a web based application development tool that helps in quickly constructing database forms and business logic with minimal of effort. In this course students build, test, debug, and deploy interactive Internet applications. Working in a graphical user interface (GUI) environment, they develop an order entry application from the ground up. This application incorporates several advanced features that provide a rich user experience while implementing business rules. This course is designed to prepare students for the corresponding Oracle Forms Developer Certified Professional Certification.

CTS2451C Microsoft SQL Server Developer II **Credit Hours: 3**
This course provides in-depth knowledge on designing a Business Intelligence solution by using Microsoft SQL Server. The course will cover design and management of reports, data mining models, administering a BI solution, designing the BI architecture, designing and deploying SSIS packages, and designing an analysis services database.

CTS2464C SUN: Advanced Java Programming **Credit Hours: 3**
This course is designed to prepare students for the Oracle Certified Programmer for Java certification. Upon successful completion of this course, the students should be proficient in creating event-driven GUIs using Swing components, creating multi-threaded programs and creating simple Transmission Control Protocol/Internet Protocol (TCP/IP) networked client that communicates through a server through sockets.

CTS2651C Router Technology **Credit Hours: 3**
This course is designed to prepare a student to apply and understand the basics of networking concepts, and using networking hardware. The course covers network devices, router and IOS basics, router startup and configuration, routing and advanced routing protocols, basic switching configuration, and advanced switching concepts. Students are first introduced to theory-based concepts, which are followed-up with practical hands-on labs.

CTS2652C Advanced Router Technology **Credit Hours: 3**
This course is designed to prepare a student to apply and understand the advanced principles and applications of networking hardware. The course covers advanced router configurations; LAN switching; network management; and advanced network design. This course will help prepare students for the Cisco Certified Networking Associate (CCNA) examination.

CTS2852C Client-side Scripting **Credit Hours: 3**
This course teaches developers how to use the features of the JavaScript language, design client-side, and platform independent solutions. Students learn how to write JavaScript programs, script for the JavaScript object model, control program flow, validate forms, animate images, target frames, and create cookies. Students will also understand and use the most popular applications of JavaScript.

CTS2857C Server-side Scripting **Credit Hours: 3**
This course will help students understand and utilize Server Side Scripting technology. Students will work with Server Side Scripting to create Internet-based applications. Students will learn to connect to databases, work with files, extract data from HTML forms, and how to build secure applications.

CTS2858C CIW E-commerce Specialist **Credit Hours: 3**
This is a comprehensive course teaching students how to conduct business online and manage the technical issues associated with constructing an e-commerce Web site. Topics include designing and implementing commerce-driven Web sites; identifying the similarities and differences between traditional and electronic commerce, exploring e-commerce technologies at various levels of sophistication, and construction of a fully functional e-commerce web site using skills taught in this and previous classes. This course helps prepare students for the CIW E-Commerce Strategies and Practices certification exam.

CTS3127C CISSP **Credit Hours: 3**
This course supports the Certified Information Systems Security Professional (CISSP) exam, an ISO/IEC 17024 ANSI accredited, internationally recognized benchmark information security certification designed for information security professionals. Students will explore an internationally accepted common body of knowledge encompassing eight (8) security domains which include Security and Risk Management, Asset Security, Security Engineering, Communication and Network Security, Identity and Access Management, Security Assessment and Testing, Security Operations, and Software Development Security.

CTS3360C Microsoft System Center Configuration Manager **Credit Hours: 3**
This course provides students with the knowledge and skills to deploy and manage software and assets using the Microsoft System Center Configuration Manager. The skills developed by students completing this course will help prepare them for the Microsoft System Center Configuration Manager.

CTS3393C Designing & Implementing a Server Infrastructure **Credit Hours: 3**
This course will give students the skills and knowledge necessary to design, implement and maintain a Windows Server 2012 Infrastructure in an enterprise scaled, highly virtualized environment.

CTS3394C Implementing Advanced Server 2012 Infrastructure **Credit Hours: 3**
This course will give students the skills and knowledge necessary for planning, designing and deploying a Windows

Server 2012 highly virtualized infrastructure including the Active Directory, storage, security and networking services.

CTS3660C CISCO CCNP Routing **Credit Hours: 3**
This course provides students with the knowledge and skills necessary to use advanced IP addressing and routing in implementing scalable and secure Cisco ISR routers connected to LANs and WANs. The skills developed by students completing this course will help prepare them for the Cisco Route Exam.

CTS4339C Microsoft Exchange Server **Credit Hours: 3**
This course will provide students with the knowledge and skills to install, configure, route and manage a Microsoft Exchange environment. They will also learn how to provide client access, backup and restore databases, and manage recipient objects such as mailboxes, distribution groups, and contacts. The skills developed by students completing this course will help prepare them for the Microsoft Exchange certification.

EDFCTS4375C Advanced Cloud Infrastructure & Services **Credit Hours: 3**
The Cloud Infrastructure and Services course educates students about cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to cloud computing. For all definitions of cloud computing, the course has resorted to the U.S. National Institute of Standards and Technology as a guide. The course covers technologies required to build classic (traditional), virtualized, and cloud data center environments. These technologies include compute, storage, networking, desktop and application virtualization.

CTS4395C Implementing a Desktop Infrastructure **Credit Hours: 3**
This course will give students the skills and knowledge necessary to plan, configure, and implement of the Windows Server 2012 desktop services, such as desktop imaging and deployment application / desktop virtualization, and RDP access and infrastructure.

CTS4396C Implementing Desktop Application Environments **Credit Hours: 3**
This course will give students the skills and knowledge necessary to plan, configure, and implement of the Windows Server 2012 desktop services, such as desktop imaging and deployment, application / desktop virtualization, and RDP access and infrastructure.

CTS4627C CISCO CCNP Switching **Credit Hours: 3**
This course provides students with knowledge and skills necessary to plan, configure and verify the implementation of complex enterprise switching solutions using Cisco's Campus Enterprise Architecture. The skills developed by students completing this course will help prepare them for the Cisco Switch Exam.

CTS4628C CISCO CCNP Troubleshooting **Credit Hours: 3**
This course provides students with the knowledge and skills necessary to plan and perform regular maintenance on complex enterprise routed and switched networks and to use technology-based practices and a systematic ITIL-compliant approach to perform network troubleshooting. The skills developed by students completing this course will help prepare them for the Cisco Troubleshoot Exam.

CVT1200 Cardiopulmonary Pharmacology **Credit Hours: 3**
This course provides an overview of drugs related to the cardiopulmonary system with special emphasis on the drugs used to treat cardiac and pulmonary patients.

DAA1100 Beginning Modern Dance I **Credit Hours: 2**
Basic modern dance technique, exercises, and choreography are used to achieve physical objectives, to increase artistic self-awareness and to extend cultural enrichment.

DAA1101 Modern Dance II **Credit Hours: 2**
A continuation of DAA1104. Further development of modern dance techniques with an emphasis on vocabulary, alignment, movement phrasing, and rhythm. Participation in semester dance concert required.

DAA1501 Jazz Dance II **Credit Hours: 2**
A course in jazz technique with emphasis on various jazz styles and performance. Includes warm-up, stretch and strengthening, centre exercises, and intermediate level jazz dance combinations.

DAA1504 Jazz Dance I **Credit Hours: 2**
This is a course in Jazz technique. Included are warm-up, stretch and strengthening, centre exercises, and basic jazz combinations.

DAA1680 Dance Repertory **Credit Hours: 1**
Participation as a dancer/performer in dance works of ballet, jazz, and modern vocabularies. Works include those of dance faculty, guest artists, as well as student choreography.

DAA2102 Modern Dance III **Credit Hours: 2**
A continuation of DAA1105 with an emphasis on advanced movement phrases and combinations necessary to perform modern dance repertory. Further emphasis will be placed on the development of the students' style and performance quality.

DAA2220 Pointe I **Credit Hours: 1**
This course is an introduction to the theory and practice of pointe work for the ballet class. Students will learn the history and structure of pointe shoes, proper fit and maintenance, and will develop strength, coordination and movement quality through exercises and performance.

DAA2280 Ballet I **Credit Hours: 2**
An academic study of techniques and theoretical concepts of ballet for the performance-oriented student. Includes warm-up, barre, and centre combinations.

DAA2281 Ballet II **Credit Hours: 2**
Continuation of DAA1204. Ballet exercises and step combinations for the intermediate performance student, building on basic skills and culminating in a live performance.

DAA2282 Ballet III **Credit Hours: 2**
Continuation of DAA1205. Emphasis on developing strength and coordination in more complex phrasing and movement. This course will explore and develop an understanding of the vocabulary, technique, and theoretical concepts of ballet on an intermediate level.

DAA2610 Dance Composition **Credit Hours: 2**
This course is designed to introduce the student to the creative process of dance composition. Through the use of compositional structures and choreographic devices, the student will create movement studies. Improvisation, aesthetic principles and elements of dance will be examined.

DAA2930 Special Topics in Dance **Variable Credit Course (1-2 Credit Hours)**
An instructional course concerned with activity and development of dance movement skills and concepts centered around topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester. Special Topics credit hours are not automatically transferable. Transfer credit is the prerogative of the receiving institution. Coeducational. May be repeated for credit (up to 6 credits).

DAN2100 Dance Appreciation **Credit Hours: 3**
Dance Appreciation is an introductory survey class that examines dance as a primary mode of human expression and communication. This course introduces dance as an art form and will enhance knowledge of the historical, cultural and aesthetic aspects of dance via the study of its origins in ritual, courtly, social and theatrical settings. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

DAN2600 Music for Dance **Credit Hours: 2**
Designed to provide both the dancer and choreographer with the musical knowledge and tools to enhance how they use music in their discipline and how they communicate their musical needs to musicians.

DEA0000 Introduction to Dentistry **Credit Hours: 1**
An overview of dentistry and the dental assisting profession including its history, ethical and legal aspects, duties and responsibilities of the dental health team, professional organizations, and proper conduct and grooming of the dental

assistant. Two hour lecture per week.

DEA0025 Pre Clinical **Credit Hours: 2**
Designed to orient the student to the dental office and the use and sterilization of all instruments and equipment used in the practice of dentistry.

DEA0130 Allied Dental Theory **Credit Hours: 1**
Designed to acquaint the student with basic body structures, functions and diseases which affect dental treatment. Basic concepts of microbiology and their relevance to sterilization. General aspects of oral pathology, including common pathological conditions of the mouth, teeth, and their supporting structures will be covered. Additional consideration will be given to the pharmacological properties, therapeutic applications and any toxicities or contraindications of drugs and medicaments commonly used in dentistry. Essential material on the symptoms, treatment, and equipment required to render adequate care for the common office emergencies will be included.

DEA1000 Introduction to Dental Practice/Assisting **Credit Hours: 3**
An overview of dentistry and the dental assisting profession including its history, ethical and legal aspects, duties and responsibilities of the dental health team, professional organizations, and proper conduct and grooming of the dental assistant.

DEA1030 Pre Clinical **Credit Hours: 4**
Designed to orient the student to the dental office and the use and sterilization of all instruments and equipment used in the practice of dentistry.

DEA1030L Preclinical Laboratory **Credit Hours: 2**
Laboratory/clinical portion of DEA1030. Provides hands-on instruction of use and sterilization of all instruments and equipment used in the practice of dentistry.

DEA1131 Allied Dental Theory **Credit Hours: 2**
Designed to acquaint the student with basic body structures, functions and diseases which affect dental treatment. Basic concepts of microbiology and their relevance to sterilization. General aspects of oral pathology, including common pathological conditions of the mouth, teeth, and their supporting structures will be covered. Additional consideration will be given to the pharmacological properties, therapeutic applications and any toxicities or contraindications of drugs and medicaments commonly used in dentistry. Essential material on the symptoms, treatment, and equipment required to render adequate care for the common office emergencies will be included.

DEA1155 Dental Psychology **Credit Hours: 2**
This course will offer material on the basic theories of psychology which enable the dental assistant to possess a greater understanding of why people act as they do. Included in the course are practical techniques for effective patient management and basic guidelines for establishing a better interpersonal relationship between the dental assistant, dental staff and the dental patient.

DEA1936 Dental Seminar **Credit Hours: 1**
Seminar format of student clinical experiences and lecture series focusing on selected dental topics pertaining to effective dental assisting and the additional duties permitted by rules and regulations of the Florida State Board of Dentistry.

DEA1940L Clinical Practice I **Credit Hours: 2**
This course provides practical application in a clinical setting of knowledge acquired in the classroom. This course allows the dental assistant student the opportunity to demonstrate their clinical and administrative skills in a dental office setting. This is a non-paid externship where the student will be expected to perform as if they were on the job. The student may be rotated to different offices during this externship to benefit from additional experiences. The student will be learning under the supervision of a licensed dentist, and an externship coordinator from BC will come and observe and check-in with the student on a regular basis. Students are expected to keep track of their hours and keep a journal which they will turn into the dental assisting lead instructor.

DEA1941L Clinical Practice II **Credit Hours: 3**
This course allows the dental assistant student the opportunity to continue to demonstrate their clinical and administrative skills in a dental office setting. This is a non-paid externship where the student will be expected to perform as if they were on the job. The student may be rotated to different offices during this externship to benefit from additional experiences. The student will be learning under the supervision of a licensed dentist, and an externship coordinator from BC will come and observe and check-in with the student on a regular basis. Students are expected to keep track of their hours and keep a journal which they will turn in to the dental assisting lead instructor. Students must have completed all Dental Assisting coursework prior to enrolling in this course.

DEH1002 Clinical Dental Hygiene Procedures **Credit Hours: 2**
A course designed to provide knowledge of the principles of dental hygiene with a detailed study of instrumentation. The course includes data collection and mastery of beginning techniques in dental care.

DEH1002L Preclinical Dental Hygiene Laboratory **Credit Hours: 2**
The laboratory portion of this course is designed to provide hands-on instruction in the application of dental hygiene procedures with a detailed study of instrumentation. The course includes data collection and mastery of beginning techniques in dental patient care.

DEH1130 Oral Histology & Embryology **Credit Hours: 2**
This course studies the embryonic development and the histology of the components of the oral cavity. This includes a comprehensive study of the cells and tissues of the oral cavity.

DEH1602 Periodontology **Credit Hours: 3**
This course presents the etiology and classification of periodontal disease and principles of periodontia pertinent to dental hygiene practice. Principles of occlusion and periodontal surgery techniques are discussed through the use of case presentations.

DEH1602L Periodontology Laboratory **Credit Hours: 1**
Encompasses a continuation of learning current periodontal trends in the dental office. This laboratory provides the student with hands on activities to insure effective patient treatment including phase microscopy, ultrasonic instrumentation, desensitizing agents, Soft Tissue Management, chemotherapeutic agents, advanced perio assessment, therapy and treatment procedures.

DEH1800 Dental Hygiene I **Credit Hours: 2**
This course provides instruction on removal of hard and soft deposits, treatment planning, preventive procedures, care of instruments, pre and post-operative procedures, and dental hygiene diagnosis.

DEH1800L Dental Hygiene I Clinic **Credit Hours: 2**
This course will provide clinical experience in comprehensive patient care. Emphasis is placed on treatment planning and dental hygiene assessment techniques.

DEH1802 Dental Hygiene II **Credit Hours: 3**
A course designed to provide further knowledge in the application of dental hygiene procedures. This includes information on treatment planning, periodontal charting, ultrasonic scaling and comprehensive dental hygiene care.

DEH1802L Dental Hygiene II Clinic **Credit Hours: 4**
This course will provide clinical experience in treatment planning, periodontal charting, ultrasonic scaling and comprehensive dental hygiene care.

DEH1934 Dental Hygiene Review Seminar **Credit Hours: 1**
Dental hygiene course centering around national board of dental hygiene examination review.

DEH2300 Dental Pharmacology **Credit Hours: 2**
This course provides an understanding of the drugs commonly encountered in the dental office. The student will gain

knowledge in the origin, physical and chemical properties, modes of administration and effects upon the body system.

DEH2400 General & Oral Pathology **Credit Hours: 2**
This course provides principles of general and oral and pathology as it relates to diseases of the oral cavity. There will be emphasis on the importance of the dental hygienist's recognition of normal and abnormal conditions.

DEH2701 Community Dental Health **Credit Hours: 2**
This course will teach the student the concepts of community dental health. Topics covered include the measurement of dental disease, prevention programs, community outreach programs, and simple statistical analysis.

DEH2701L Community Dental Health Laboratory **Credit Hours: 1**
This course is the follow through for DEH2701. The student will apply community health principles by designing and presenting dental health education principles to various community audiences.

DEH2804L Dental Hygiene III Clinic **Credit Hours: 4**
The laboratory portion of this course provides advanced application of the principles of preventive dental hygiene and oral prophylaxis techniques on patients in the clinic under supervision.

DEH2806 Dental Hygiene IV **Credit Hours: 2**
This course provides continuation of theoretical material related to clinical dental hygiene practice. Discussions include advanced periodontal therapy with emphasis on synthesis or case information, recognition of advanced disease states and treatment regimens including the medically compromised.

DEH2806L Dental Hygiene IV Clinic **Credit Hours: 4**
Continuation of clinical experience with patients, developing previously learned skills and knowledge. Emphasis placed on advanced instrumentation and patient management skills necessary to treat more difficult patients.

DEH2840L Advanced Dental Technology Laboratory **Credit Hours: 1**
This laboratory course is designed to provide the dental hygiene students with basic concepts of computer technology and dental software used in the current practice of dentistry. The course will focus on advanced technologies which include dental software programs, intraoral camera, microscope, digital radiography, clinical assessments and practice management. Dental hygiene students will get hands on opportunities all soft-ware programs assuring their future success.

DEP2002 Developmental Psychology I: Child Psychology **Credit Hours: 3**
This course is an overview of theories, concepts, and principles governing child development. The course spans from prenatal development to middle/late childhood up to age 12. Topics include issues of heredity, physical, cognitive, and social-emotional processes of development. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

DEP2004 Developmental Psychology **Credit Hours: 3**
This is a developmental psychology course that considers human growth from conception to death. This course covers the physical, cognitive, and psycho-social process of human development. It is designed to give a general overview of the developmental processes. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

DEP2302 Developmental Psychology II: Adolescent & Young Adult **Credit Hours: 3**
The personal, social and developmental aspects of adolescence and early adulthood are reviewed in this course. A focus is placed upon the research dealing with the characteristic problems and adjustments of this life stage. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

DES0021 Dental Anatomy & Physiology **Credit Hours: 1**
The study of head and neck anatomy with emphasis placed on the structure, morphology, and function of the primary and permanent human dentitions.

DES0103 Dental Materials **Credit Hours: 1**
Designed to familiarize the student with the various types of materials, their physical properties and characteristics, proper manipulation and designed application in the practice of dentistry.

DES0103L Dental Materials Laboratory **Credit Hours: 1**
Laboratory portion of DES0100. Proper manipulation and designed application in the practice of dentistry. Projects demonstrating proficiency in the technical applications and proper manipulation of specified dental materials will be required.

DES0400 Basic Anatomy & Physiology **Credit Hours: 1**
A basic anatomy and physiology course designed specifically to meet the needs of dental assisting students. Emphasis will be placed on the human body structure, functions of its components and associated diseases which affect the total care of the dental patient.

DES0501 Dental Office Management **Credit Hours: 1**
The study of efficient dental office management. Basic concepts to be presented will include telephone etiquette and communication. Guidelines for better interpersonal relations, methods for effective appointment control, dental bookkeeping systems and practices, business writing techniques, collection and billing, filing of patients records and procedures for tax and health insurance forms. Computer proficiency must be demonstrated by the student for course completion.

DES0801 Clinical Procedures I **Credit Hours: 1**
Lecture series acquaints the student with the necessary background material and assisting procedures involved in each dental specialty.

DES0802 Clinical Procedures II **Credit Hours: 1**
Practicum phase is a continuation of DES0801 with the addition of a supervised externship program utilizing dental offices and public health facilities in the community. Lecture demonstration series focuses on selected dental topics pertaining to effective dental assisting and the additional duties permitted by rules and regulations of the Florida State Board of Dentistry.

DES0830 Expanded Functions I **Credit Hours: 2**
The course is designed to provide the basic knowledge and clinical practice necessary for the dental assisting student to perform the expanded functions permitted by the rules and regulations of the Florida State Board of Dentistry.

DES0831 Expanded Functions II **Credit Hours: 1**
The course is designed to be a continuation of dental auxiliary expanded functions I. It will provide the basic knowledge necessary to perform the more complex expanded functions permitted by the rules and regulations of Florida State Board of Dentistry.

DES0844 Preventive Dentistry **Credit Hours: 1**
Emphasis is placed on the development of a plaque control program to meet individual patient needs. Materials on methods of tooth brushing, supplementary aids for oral physiotherapy and the use of fluorides, and nutritional counseling in preventive dentistry will be presented.

DES1020 Dental Anatomy & Physiology **Credit Hours: 3**
The study of head and neck anatomy with emphasis placed on the structure, morphology, and function of the primary and permanent human dentition.

DES1054 Pain Control & Dental Anesthesia **Credit Hours: 2**
This course provides a study of agents used in dentistry for local anesthesia and pain control.

DES1100 Dental Materials **Credit Hours: 2**

Designed to familiarize the student with the various types of materials, their physical properties and characteristics, proper manipulation and designed application in the practice of dentistry.

DES1100L Dental Materials Laboratory (ATD) **Credit Hours: 1**
Laboratory portion of DES1100. Proper manipulation and designed application in the practice of dentistry. Projects demonstrating proficiency in the technical applications and proper manipulation of specified dental materials will be required.

DES1200 Dental Radiography **Credit Hours: 3**
Fundamentals of radiological science as applied to dentistry will be presented. Special consideration will be given to radiation physics, hazards, biological effects, protection, and control methods. Also proper techniques for exposing, processing and mounting of radiographs are included.

DES1200L Dental Radiography Laboratory **Credit Hours: 1**
Laboratory portion of DES1200. Proper techniques for exposing, processing, and mounting radiographs. Laboratory exercise demonstrating proficiency in these techniques will be required.

DES1404 Basic Anatomy & Physiology **Credit Hours: 2**
A basic anatomy and physiology course designed specifically to meet the needs of dental assisting students. Emphasis will be placed on the human body structure, functions of its components and associated diseases which affect the total care of the dental patient.

DES1502 Dental Office Management **Credit Hours: 2**
The study of efficient dental office management. Basic concepts to be presented will include telephone etiquette and communication. Guidelines for better interpersonal relations, methods for effective appointment control, dental bookkeeping systems and practices, business writing techniques, collection and billing, filing of patients records and procedures for tax and health insurance forms. Computer proficiency must be demonstrated by the student for course completion.

DES1805 Clinical Procedures I **Credit Hours: 2**
Lecture series acquaints the student with the necessary background material and assisting procedures involved in each dental specialty.

DES1805L Clinical Procedures I Laboratory **Credit Hours: 3**
(Credit Hour change from 3 credits to 1 credit in Spring 20172)
Practicum phase provides the opportunity for each student to receive closely supervised individual instruction in all phases of chairside assisting. Special fee charged.

DES1807 Clinical Procedures II **Credit Hours: 1**
(Course ID change to DEA1936 in Summer 20173)
Practicum phase is a continuation of DES0801 with the addition of a supervised externship program utilizing dental offices and public health facilities in the community. Lecture demonstration series focuses on selected dental topics pertaining to effective dental assisting and the additional duties permitted by rules and regulations of the Florida State Board of Dentistry.

DES1807L Clinical Procedures II Laboratory (ATD) **Credit Hours: 3**
(Course ID change to DEA1941L in Summer 20173)
Practicum phase is a continuation of DES1805L with the addition of a supervised externship utilizing dental offices and public health facilities in the community.

DES1832 Expanded Functions I **Credit Hours: 1**
The course is designed to provide the basic knowledge and clinical practice necessary for the dental assisting student to perform the expanded functions permitted by the rules and regulations of the Florida State Board of Dentistry.

DES1832L Expanded Function I Laboratory **Credit Hours: 1**
Designed to provide the basic knowledge and clinical practice necessary for the Dental Assisting student to perform the Expanded Functions permitted by the Rules and Regulations of the Florida State Board of Dentistry.

DES1833 Expanded Functions II **Credit Hours: 2**
The course is designed to be a continuation of dental auxiliary expanded functions I. It will provide the basic knowledge necessary to perform the more complex expanded functions permitted by the rules and regulations of Florida State Board of Dentistry.

DES1833L Expanded Function II Laboratory **Credit Hours: 1**
This course is designed to be a continuation of dental auxiliary expanded functions I. It will provide the clinical practice necessary to perform the more complex expanded functions permitted by the rules and regulations of Florida State Board of Dentistry.

DES1840 Preventive Dentistry **Credit Hours: 2**
Emphasis is placed on the development of a plaque control program to meet individual patient needs. Materials on methods of tooth brushing, supplementary aids for oral physiotherapy and the use of fluorides, and nutritional counseling in preventive dentistry will be presented.

DES1840L Preventive Dentistry Laboratory **Credit Hours: 1**
Laboratory portion of DES1840. This course is designed to teach the students how to educate and motivate patients in controlling their dental plaque, thus preventing dental diseases. Dental floss, brushing methods, adjunctive supplementary oral physiotherapy aids, intra-oral imaging, nutritional counseling, microscopes, and biofilm collection will be utilized. An emphasis is placed on the development of a plaque control program to meet individual patient needs.

DIG2100C Web Development 1 **Credit Hours: 3**
The student will learn the basics of using Browsers to view web sites, create a web site and will progress through the processes of analysis, design, development, and implementation of complete web sites using HTML, XHTML, XML language with text editors. This course includes Web Programming with HTML, XHTML, XML, with emphasis on CSS on layout and structure of websites, hyperlinks, multimedia, forms, tables, testing, maintenance and uploading web sites to servers applying good web design and web site usability.

DIG2101C Web Development 2 Using Dreamweaver **Credit Hours: 3**
This course uses Adobe Dreamweaver software to create websites importing Flash and video movies and different disciplinary content. Students will explore the pre-production, layout, structure, and Internet Services Provider (ISP) of websites. Students will test and debug their websites from your host ISP. Students should have complete knowledge of graphics and XHTML.

DIG2109C Digital Publishing with Indesign **Credit Hours: 3**
This course is designed to teach desktop publishing using Adobe InDesign with emphasis on typography and desktop publishing techniques. Student will learn to layout and design documents with visual impact. Effective use of graphics, color, print separations, export to PDF, and preflight topics as they are used with desktop publishing are covered.

DIG2115C Digital Imaging Fundamentals Using Photoshop **Credit Hours: 3**
This course uses Adobe Photoshop software to create images for digital media applications. Students will learn how to create, edit, and manipulate graphics. Color theory, resolution, special effects, output, and design will be covered.

DIG2116C Digital Imaging Advanced **Credit Hours: 3**
The student will learn the advanced image processing techniques to prepare images for various output venues for web and multimedia. Multimedia and web developers use sophisticated graphic software (Fireworks and Photoshop or other similar software) to create interactive and stunning visuals that are easily integrated into dynamic multimedia and web pages. Students will learn how to create graphics with vector and bitmap images, apply special effects, build buttons, rollovers, animated gifs, image maps, compare graphic formats, optimize web graphics & palettes. Projects focus on resolution, color management including palettes and bit depth, optimization, image and texture creation, alpha

channels for compositing, and special effects. Industry standard software will be used including Photoshop and Fireworks.

DIG2132C Digital Art & Design with Illustrator **Credit Hours: 3**
This course provides a sound theoretical introduction to the concepts, principles, and techniques of digital art and design. Explores the use of the computer as an art production and drawing tool using drawing and illustration software such as Adobe Illustrator to create and generate visuals.

DIG2280C Digital Video/Audio Editing **Credit Hours: 3**
This course is an introduction to video/audio production for digital media/multimedia. Students will gain an in-depth knowledge and skills needed for video production to include hands-on experience in videography and video/audio editing for the creation of video/audio projects to include but not limited to documentaries/music videos/storytelling and commercials/public service announcements. Software used: the Adobe Production Suite including Premiere Pro, Sound Booth, Audition and Encore.

DIG2292C Digital Post Production with After Effects **Credit Hours: 3**
This course focuses on digital post-production used for film, animation, video, digital media, and the web. Using Adobe After Effects students integrate both technical and aesthetic, 2-D graphics, 3-D models and animations, and background elements in projects. Students will become familiar with match-moving and compositing techniques.

DIG2302C 3D Animation I **Credit Hours: 3**
This course covers 3-D modeling, mapping, and rendering. Students will also learn techniques used in moving images and simulations as well as applying lighting and materials to 3-D objects.

DIG2303C 3D Animation 2 **Credit Hours: 3**
Continuation of DIG2302C with more animation and modeling techniques. Development of complex 3-D models such as aircraft, cars, & boats. Learn virtual film-making with Maya 3-D. Apply Cloth, Particle, Paint, and Fluid dynamics.

DIG2304C 3D Animation 3 **Credit Hours: 3**
Using Maya 3D software (or similar) you will create advanced 3D animation for characters; rigging techniques for body parts to create realistic and believable movements. You'll learn advanced rigging concepts that involve MEL scripting and advanced deformation techniques and even how to set up a character pipeline.

DIG2311C Fundamental of Digital Media Using Flash **Credit Hours: 3**
Web developers use Flash (or another animation tool) to create beautiful, resizable, and extremely small and compact navigation interfaces, technical illustrations, long-form animations, and dazzling effects for web sites and other Web-enabled devices (such as WebTV). Students will create graphics and animations using drawing tools or imported vector artwork; animate that artwork; and make interactive movies.

DIG2500C Multimedia Authoring **Credit Hours: 3**
This course concentrates on entry-level skills in creating and implementing basic multimedia applications. The topics are covered in both theory and practice (hands-on). The software and hardware used in current industry-standard multimedia are covered in detail. Applications include multimedia design, authoring, and product delivery. The student uses many other feeder programs to complete his/her projects.

DIG2580C Digital Media Portfolio **Credit Hours: 3**
This is a capstone course intended for students to apply knowledge gained in the areas of web, graphics, video or 3D production to create a polished, presentable collection of their best work (a portfolio), showcasing their talents as they prepare to enter the professional field.

DIG2940 Internship in Digital Media **Credit Hours: 3**
An Internship in Digital Media will provide the student with practical work experience in the field. In addition the student will produce an e-portfolio and resume to present to potential employers.

DSC1002 Terrorism & Domestic Security **Credit Hours: 3**

A study of domestic and international terrorism as it relates to domestic security. Topics include terrorist organizations and motivations, investigating terrorism threats, conducting vulnerability assessments of potential terrorist targets, and the role of government agencies in response to a terrorist incident and recovery afterwards.

DSC1006 Introduction to Homeland Security **Credit Hours: 3**
This course will introduce students to the vocabulary and important components of Homeland Security. Students will learn about the important agencies associated with Homeland Security and their inter-related duties and relationships. Students will examine historical events that impact Homeland Security. Students will explore state, national, and international laws impacting Homeland Security and students will examine the most critical threats confronting Homeland Security.

DSC2242 Transportation & Border Security **Credit Hours: 3**
Overview of modern border and transportation security challenges (post 9/11 attacks to the present) as related to our transportation infrastructure, including seaports, ships, aircraft, airports, trains, train stations, trucks, highways, bridges, rail lines, pipelines and buses. The course will also explore technology used to enhance security of borders and transportation systems. Students will be required to discuss the legal, economic, political and cultural concerns associated with transportation and border security.

DSC2590 Intelligence Analysis & Security **Credit Hours: 3**
This course examines intelligence analysis and its indispensable relationship to the security management of terrorist attacks or disasters, man-made and natural. It also explores the vulnerabilities of our national defense and private sectors and threats posed to these institutions. Students will discuss substantive issues regarding intelligence support of homeland security measures and explore how the intelligence community operates.

EAP0100C Speaking/Listening I **Credit Hours: 3**
Beginning level speaking and listening course. Students will develop the ability to understand frequently used words in oral contexts and understand and respond appropriately to simple phrases and questions.

EAP0120C ESL Reading I **Credit Hours: 3**
This is a level 100 beginning ESL reading course designed for students in English for Academic Purposes (EAP) programs. It emphasizes vocabulary and comprehension on a basic level.

EAP0185C ESL Grammar/Writing I **Credit Hours: 6**
A low-beginning level combined skills course for speakers of other languages designed principally to guide the students to the development of basic grammar and basic writing structures as applied to academic English. Students will develop writing skills in the context of guided discourse on personal topics with an emphasis on logical thought and mechanics.

EAP0200C Listening/Speaking II **Credit Hours: 3**
High beginning level listening and speaking course. Students continue to develop the ability to understand frequently used words in oral contexts and to understand and appropriately respond to simple phrases and questions.

EAP0220C ESL Reading II **Credit Hours: 3**
This is a level 200 high beginning ESL reading course designed for students in English for Academic Purposes (EAP) programs. It emphasizes vocabulary and comprehension on a basic level.

EAP0285C ESL Grammar/Writing II **Credit Hours: 6**
A high-beginning level combined skills course for speakers of other languages designed principally to guide the students to the development of basic grammar and writing structures as applied to academic English. Students will develop writing skills in the context of guided discourse on personal topics with an emphasis on logical thought and mechanics.

EAP0300C Listening/Speaking III **Credit Hours: 3**
A course designed to guide native speakers of languages other than English toward appropriate production of the consonant and vowel sounds, and the stress, intonation, and rhythm patterns of American English as encountered in

everyday communicative situations.

EAP0320C ESL Reading III **Credit Hours: 3**
This is a level 300, low intermediate ESL reading course designed for students in English for Academic Purposes (EAP) programs. It emphasizes vocabulary and comprehension on an intermediate level.

EAP0385C ESL Grammar/Writing III **Credit Hours: 6**
An intermediate level combined skills course for speakers of other languages designed principally to guide the students to the mastery of grammar and writing structure applied to academic English.

EAP0400C Communication Skills IV **Credit Hours: 3**
This course is designed to guide the students toward applying pronunciation, phrasing, and intonation of oral American English in communication situations such as academic and social settings. It involves interview presentation and emphasis on developing listening skills.

EAP0420C ESL Reading IV **Credit Hours: 3**
This is a level 400 high intermediate ESL reading course designed for students in English for Academic Purposes (EAP) programs. It emphasizes vocabulary and comprehension on an intermediate level.

EAP0485C ESL Grammar/Writing IV **Credit Hours: 6**
A high intermediate combined skills course for speakers of other languages designed principally to guide the students to the mastery of complex grammar and sentence structures, and basic paragraph writing.

EAP1540C ESL Advanced Composition I **Credit Hours: 3**
A composition course in English for speakers of other languages. Designed principally to guide the student to the mastery of paragraph structure using various para-graph modes and the multi-paragraph essay. The grammar focuses on elements which closely tie in with composition, e.g. connectors and sentence combining.

EAP1640C ESL Advanced Composition II **Credit Hours: 3**
This is an advanced composition course in English for speakers of other languages. Students are given intensive practice in the writing of the multi-paragraph essay for the various modes. Emphasis is given to clear and logical development of ideas. Students apply advanced grammar skills and precise vocabulary usage to essay writing.

ECO2013 Principles of Macroeconomics **Credit Hours: 3**
An introductory course in macroeconomic principles covering basic economic problems and concepts. Topics discussed and analyzed include basic economic problems of unemployment and inflation, as well as fiscal and monetary policies. Students will recognize the role of households, businesses and governments in the market economy and in their own lives. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ECO2023 Principles of Microeconomics **Credit Hours: 3**
An introductory course stressing microeconomic theories. Topics studied include the theory and application of supply and demand elasticity; theory of consumer demand, utility; production and cost theory including law of diminishing returns; the firm's profit-maximizing behaviors under market models ranging from pure competition to pure monopoly; the theory of income distribution; comparative advantage, trade policies exchange rates, balance of payments, and other international issues.

ECO2220 Money & Banking **Credit Hours: 3**
A general survey of the economics of money and the basic concepts of money; the financial system, financial intermediaries, and non-bank institutions, types of interest rates, the Federal Reserve, its structure and tools and monetary policy, financial regulations, and role of banking and money international finance.

ECO3703 International Economics **Credit Hours: 3**
An exploration of why nations trade, the effects of trade on the economy, international commercial policy, balance of payments, exchange rate determination, the Eurocurrency markets, and international trade institutions.

ECS2390 The Economy of Spain **Credit Hours: 3**
An analysis of the Spanish economic system covering the historical development in the public and private sectors; agriculture and industry; and foreign trade relations. Only offered in conjunction with the Semester-In-Spain program.

EDF1005 Introduction to the Teaching Profession **Credit Hours: 3**
This course provides an overview of the American education system and the teaching profession. Its focus is teacher preparation for the 21st century. It examines the history of education, educational philosophies, school governance and funding, the rights and responsibilities of teachers and students, academic standards, teaching and assessment methods, and the needs of diverse learners. A special emphasis is placed on Florida Educator Accomplished Practices (FEAPs) and Florida Standards. This course has a mandatory 15-hour field experience component which is to be completed in an educational or alternate setting.

EDF2070 Perspectives in Education **Credit Hours: 3**
A study of the principles of American education. Emphasis is placed on the historical, philosophical, sociological, and legal foundations of education in America and their impact on curriculum development, learning, and the teaching profession.

EDF2085 Intro to Diversity & Exceptionalities for Education **Credit Hours: 3**
Designed for the prospective educator, this explores issues of diversity and the impact of culture, socioeconomic background, ethnicity, race, gender, sexual orientation, religion, exceptionality, and language on students' educational experiences. Students will be provided exposure to the Florida Educator Accomplished Practices (FEAPs) and Florida Standards. A minimum of 15 hours of field experience is required in an educational or alternate setting.

EDF3280 Instructional Strategies **Credit Hours: 3**
This course prepares participants to become proficient in planning, organizing, and implementing instructional strategies for the contemporary PK-12 classroom. A variety of research-validated instructional strategies are reinforced, including those that support constructivist approaches to classroom organization and student learning. Participants will learn to identify, deliver and improve instructional strategies that are most appropriate in specific circumstances.

EDF4430 Educational Tests & Measurements **Credit Hours: 3**
This course helps Education majors develop a philosophy of assessment and understand how a variety of measures combine to provide an accurate picture of student progress and achievement in the current multicultural classroom, develop knowledge and skills necessary to measure and assess learner progress effectively and develop actual teacher assessment skills and acquire skills in and perspectives on traditional and alternative assessment strategies. Topics include the basic principles of measurement, formative and summative assessment strategies, test construction, performance assessments, reading and interpreting data from state and standardized achievement tests, and fairness in accommodating diverse learners.

EDF4930 Special Topics in Teacher Education **Credit Hours: 1**
This course focuses on current and emerging issues in teacher education. Its format and topic will vary by semester.

EDG2949 CO OP Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer.

EDG4410 Classroom Management **Credit Hours: 3**
This course provides an identification and knowledge of classroom management and communication theories, strategies, and concerns. Emphasis will be placed on Behavior Management, Discipline and Reward Strategies, Accommodating Special Needs Pre-professional educators, Managing Diverse Cultures, Establishing Rapport and Credibility, Effective Communications Strategies, and Legal and Safety Issues as they apply and relate to the classroom setting.

EDP2002 Introduction to Educational Psychology **Credit Hours: 3**

This course reviews psychological principles relevant to effective teaching and learning. Stage theories will be used to address issues of pupil variability. The course will enable students to design and use objectives. Units on instruction will include behavioral, information processing, humanistic and cognitive theories. Finally, measurement and evaluation, as well as classroom management, will be addressed.

EDP4004 Principles of Educational Psychology **Credit Hours: 3**
This course provides a foundation in educational psychology and its application to classroom settings. Special emphasis is placed on development, learning theory, intelligence, motivation, memory, higher-order thinking, diversity, and instructional and assessment strategies.

EEC1200 Early Childhood Education **Credit Hours: 3**
This course reviews the history and present day aspects of early childhood programs for infants, toddlers, preschool, and school children. Basic principles and foundations of early childhood education are covered.

EEC1603 Child Guidance **Credit Hours: 3**
This course provides child guidance and group management techniques to foster the development of self-esteem, self-control, and social skills in young children.

EET1015C DC Circuits **Credit Hours: 3**
This is a first course in electric circuits. Upon completion of this course the student should demonstrate an understanding of the definitions and interrelationships of voltage, current and power in circuits containing passive circuit elements and multiple sources. Extensive laboratory experience is included.

EET1025C AC Circuits **Credit Hours: 3**
Upon completion of this course the student shall demonstrate a knowledge of circuit analysis using alternating voltage sources, including the behavior of resistive and reactive passive circuit elements, and frequency and transient response. Magnetic circuits, resonance and ideal transformers are also included. Extensive laboratory experience is included.

EET1084C Introduction to Electronics **Credit Hours: 3**
This course provides an introduction to the basic fundamentals, terminology, and applications used in the electronics industry. The topic coverage will include circuit theory principles, electronic components, transistor usage, amplifiers, power supplies, digital logic techniques, and electronic instruments. This course will also include some basic laboratory exercises to strengthen the topic coverage as it pertains to basic measurement involving both analog and digital circuits.

EET1141C Linear Techniques I **Credit Hours: 3**
This is the first course covering semi-conductor devices and laboratory experiments. Topics covered include: semi-conductor principles, rectifier diodes, zener diodes, BJT amplifiers, negative feedback amplifier, Field effect transistors and FET amplifiers. Extensive laboratory experience is included.

EET2142C Linear Techniques II **Credit Hours: 3**
This is the second course covering advance semi-conductor devices and laboratory measurements. The topics covered include: power amplifiers, frequency response of amplifiers, thyristors, LED and special diodes, operation amplifiers, filters, voltage regulators, basic communications circuits and programmable analog devices. The student will be able to use computer software to solve technical problems, program arrays, and aid in measurement systems. The course requires an extensive laboratory experience.

EET2326C Electronic Communications **Credit Hours: 3**
Basic electronic communications systems, RF amplifiers and oscillators, amplitude modulation, single side band modulation, frequency and phase modulation, pulse modulation, demodulation, and digital communication methods. Extensive laboratory experience.

EET2355C Data Communications **Credit Hours: 3**
The student will study data communications systems including pulse amplitude, pulse width modulation and RS-232,

RS-422, IEEE-488. Descriptions of BISYNC, HDLC and local area networks will be include UART and MODEM implementation.

EET2358C Advanced Communication Technology **Credit Hours: 3**
This is an advanced course in telecommunication technology, with topics covering analog and digital communication, switching systems, Digital Modulation, Wireless communication systems, Personal Communication Systems, and Paging and Wireless Data Networking. Extensive laboratory practice is included in the course.

EEX3011 Introduction to Exceptional Student Education **Credit Hours: 3**
This course will focus on the characteristics and needs of students with disabilities. Course content will include the different types of programs and services that make up exceptional student education (ESE) and the history on how they came to exist. The Introduction to Exceptional Student Education course will serve as the foundation for the development of a personal and professional understanding and philosophy of ESE.

EEX3094 Nature & Needs of the Autism Spectrum Disorder STD **Credit Hours: 3**
This is an overview course examining issues in providing educational services to individuals with Autism Spectrum Disorder Students (ASD). Emphasis will be placed on definitions and concepts, classification, prevalence, behavioral characteristics, communication, intervention strategies, classroom technology, multicultural issues, and family involvement. Service delivery systems will be reviewed and current trends discussed. 10 school-based hours.

EEX3280 Transition Planning for Students with Disabilities **Credit Hours: 3**
This course is designed for students enrolled in the Bachelor of Science Degree program in Teacher Education. This is an overview course examining issues related to transition planning for secondary (high school) exceptional education students. Emphasis will placed on data collection, assessments, self-advocacy and adult services. Federal requirements for the development of the Transition Individualized Education Plan (TIEP) will be reviewed and transition process from school to post school will be covered.

EEX3601 Positive Behavioral Support **Credit Hours: 3**
This is an overview course examining issues related to positive behavioral supports for exceptional education students. Emphasis will be placed on data collection, analysis and interventions related which address problem behaviors in the classroom. This course is designed to prepare teachers for the educational management of exceptional students with emphasis on behavior management and consultation skills. Students will gain a basic knowledge of how to create and maintain an on-task, safe and healthy environment for learning in the exceptional classroom as well as the inclusive classroom.

EEX4293 Assessment & Strategies in Exceptional Student Education **Credit Hours: 3**
This course introduces and familiarizes students with formal and informal evaluation techniques and materials for the educational assessment of exceptional learners, including those from diverse linguistic backgrounds, in a variety of settings and inclusive environments.

EEX4472 Instructional Practices for Students with Moderate/Severe Disabilities **Credit Hours: 3**
This course will examine how particular types of low-incidence disabilities; including intellectual disabilities, autism, physical disabilities, traumatic brain injuries, deafness, blindness, multiple disabilities, and other health impairments, affect academic performance. Students will learn and demonstrate current methods for teaching individuals with low incidence disabilities. Students will complete 10 hours of school-based field experience with students with low incidence disabilities in special education school. These hours are beyond the required 48 classroom contact hours.

EEX4486 Differentiated Instruction for Students with Exceptionalities **Credit Hours: 3**
This course is designed to provide educators with a practical framework of research-based reading, writing and mathematics curriculum and commercial and software programs to effectively teach students with learning, behavior and/or attention difficulties in inclusive settings. The course emphasizes current research and effective practice from proactive through intervention strategies.

EEX4843 Teaching Exceptional Learners Practicum **Credit Hours: 3**
This course includes characteristics and educational needs of all types of exceptional learners. It is designed to prepare

pre-professional educators for the student teaching internship. Pre-professional educators work directly with classroom teachers and have opportunity to teach both large and small group activities. This course is designed to develop the competencies relative to program planning, instruction, daily scheduling, record keeping, evaluation, classroom management, reporting to parents, professional organizations and teacher ethics. Students spend a minimum of 60 school-based hours in the classroom.

EEX4945 Student Teaching Internship in ESE **Credit Hours: 9**
This course is designed for students enrolled in the Bachelor of Science Degree program in Teacher Education. This course requires a candidate to demonstrate and apply teaching competencies during an internship in a public school approved by the department. A minimum of 37.5 contact hours per week for 15 weeks are required for internship. Twelve hours of seminar accompanies this course. The purpose of the student teaching internship is for the intern to apply and integrate teaching competencies and responsibilities for teaching students with disabilities in a K12 school setting. The intern will incrementally assume all duties of the mentor teacher in the areas of planning, instruction, management, collaboration and other essential classroom activities.

EGS1001 Introduction to Engineering **Credit Hours: 3**
This course is a basic introduction to engineering. It will explore the various engineering fields, engineering problem solving, and basic math and physics used by engineers. Other topics such as safety, ethics, and engineering communications will also be addressed.

EGS2949 CO OP Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by students and employer.

EME2040 Introduction to Educational Technology **Credit Hours: 3**
This course is a theory and application course that introduces students to traditional and cutting-edge technologies, and educational resources and how they are used in the teaching profession. Students will be provided an overview of the Florida Educator Accomplished Practices, and Florida Standards.

EME2041 Educational Technology Integration in Everyday **Credit Hours: 3**
This course will explore applications of technology integration to improve teaching and learning. Students will learn ways to use technology for the development of independent learning in order to facilitate active, learner-centered classroom experiences.

EME3410 Enhancing Mathematics & Science Education with Technology Applications **Credit Hours: 3**
This course will explore the interaction of K12 mathematics and science content, technology that supports mathematics and science teaching and learning, and the cognitive and social processes of learning that yields maximum learning opportunities for all students. Students will identify technologies that align with student intellectual abilities and learning styles in mathematics and science. Incorporate inquiry-based learning with technology and discover the interdisciplinary connections between mathematics, science and technology.

EMS1000 Introduction to Emergency Medical Services **Credit Hours: 1**
Introduction to Emergency Medical services as a career. The course will describe roles and responsibilities, career and advancement possibilities. The course will also highlight the required skills in; math, reading and studying. Also highlighted is basic anatomy and medical terminology.

EMS1119 Emergency Medical Technician Basic **Credit Hours: 6**
This course is designed to prepare the basic emergency medical technician in accord with U.S. Dept. of Transportation curriculum and Florida State EMS guidelines includes an introductory survey of emergency medical services including medical legal/ethical aspects, role of the EMT, patient assessment, care of wounds and fractures, airway maintenance, medical and environmental emergencies, patient transportation, emergency, childbirth, basic extrication.

EMS1119L Emergency Medical Technician Skills Laboratory **Credit Hours: 2**
Lab practice and testing of basic emergency medical technician skills included in the Department of Transportation EMT ambulance curriculum and Florida State EMS guidelines. Skills include CPR at AHA basic rescuer level, patient

assessment, triage, airway maintenance, bandaging, splinting, mast suit application, emergency childbirth, and basic extrication.

EMS1411 EMT Hospital Clinical **Credit Hours: 2**
Practical application of (EMT), emergency medical technician clinical knowledge and skills under professional supervision in the Hospital setting. Course emphasizes the development of student skill in recognition of signs and symptoms of illness and injuries and in the proper procedures of emergency care.

EMS1421 Emergency Medical Technician (EMT) Field Clinical **Credit Hours: 2**
Practical application of EMT emergency medical technician clinical knowledge and skills under the professional supervision in the prehospital or field setting. Provides for observation and patient care experiences in EMS rescue vehicles. Course emphasizes the development of student skill in recognition of signs & symptoms of illness and injures and in the proper procedures of emergency care.

EMS2010 Paramedic A&P, Pathophysiology, Life Span Develop **Credit Hours: 3**
Integrates a complex depth and comprehensive breadth of knowledge of the anatomy and physiology of all human systems. Additional subjects are Pathophysiology and Life Span Development. Objectives from the National EMS Education Standard Competencies on the anatomy, physiology, pathophysiology, and life span, development will be addressed.

EMS2201 Paramedic Clinical Experience I **Credit Hours: 1**
Basic first clinical course for paramedic students.

EMS2311 EMT Leadership **Credit Hours: 2**
Introduces the student to professional issues in EMS through special projects.

EMS2631 Paramedic Science I **Credit Hours: 3**
Topics deal with Patient Assessment, Critical Thinking, Clinical Decision Making, Documentation, Medication Administration and associated math, EMS Systems, Workforce Safety & Wellness, Public Health, Medical-Legal-Ethical issues, and EMS Communications. Basic math computation for medication administration is introduced. Material includes current U.S. Department of Transportation (DOT), National Paramedic curriculum objectives.

EMS2631L Paramedic Science I Laboratory **Credit Hours: 1**
Workforce Safety and Wellness, Ambulance Operations, BLS Competency, Patient Assessment, Basic Medication Administration, Basic Cardiac Skills, Airway Management and Ventilation. In addition, basic math computation, and drug knowledge for medication administration are continued to be taught throughout Paramedic education. Course content includes current National EMS Education.

EMS2632 Paramedic II Science **Credit Hours: 3**
P2 Science integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint. Topics deal primarily with medical issues: Pharmacology, Emergency Medications, Airway Management, Respiratory System, Field Codes, Management and Resuscitation of the critical patient. In addition, basic math computation and drug knowledge for medication and administration are continued throughout Paramedic education. Course content includes current National EMS Education Standard Competencies.

EMS2632L Paramedic Science II Laboratory **Credit Hours: 1**
Skills Laboratory related to pharmacology, venous access and medication administration. Patient Assessment skills including history taking, techniques of physical examination, assessment procedures, clinical decision making, and radio communications are included. Other topics include Airway Management/Ventilation and cardiology.

EMS2633 Paramedic II - Cardiology **Credit Hours: 3**
Topics deal with Airway Management and ventilation. Selected units from Medical Emergencies are Pulmonary conditions, and Cardiology to include an introduction to 12 Lead Interpretation and the prehospital management of acute myocardial infarction. Material covers 1998 U.S. Department of Transportation, (DOT), National Paramedic Curriculum objectives for Module 2, and Module 5, Units 1, 2.

EMS2634 Paramedic III - Trauma **Credit Hours: 3**

Topics deal with Trauma patient care including: Trauma Systems & Mechanisms of Injury; Bleeding; Soft Tissue Injury, Burns; Face & Neck Trauma; Head & Spine Trauma; Chest Trauma; Abdominal & Genitourinary Trauma; and Orthopedic Trauma. Additional topics include: Environmental Emergencies; Transport Operations; Vehicle Extrication & Special Rescue; Hazardous Materials; and Crime Scene Awareness. Material includes the most current objectives and learning outcomes from the National Paramedic Curriculum.

EMS2634L Paramedic Science III - Trauma Laboratory **Credit Hours: 1**

Skills lab dealing with: Trauma Skills - Bleeding Control, Tourniquet application, Splinting bones and joints, Traction splint, Spinal Immobilization, Chest Decompression, and Cricothytroid Emergency Airway procedures. Patient scenarios - based on new and previously acquired skills in Airway Management, Pharmacology, Medication Administration, Cardiology, P3 Trauma, and P3 Medical. In addition, basic math computation and drug knowledge for medication administration are continued throughout Paramedic education. Course content includes current National EMS Education Standard Competencies.

EMS2635 Paramedic Science III - Medical **Credit Hours: 3**

P3 Medical integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint. Topics deal primarily with Medical Issues: Neurology, EENT, Abdonimal & GI, GU & Renal, Gynecology, Endocrine, Hematology, Immune Emergencies, Infectious Diseases, Toxicology, and Psychiatric Emergencies. In addition, basic math computation and drug knowledge for medication administration are continued throughout Paramedic education. Course content includes current National EMS Education Standard Competencies.

EMS2636 Paramedic IV Science **Credit Hours: 3**

P4 Science integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with an Obstetric, Neonate, Pediatric, Geriatric, and Special Challenges Emergency. Topics also include: Transport Operations, Incident Management & Mass Casualty Situations, Vehicle Rescue and Special Rescue, Hazardous Materials, Terrorism, Disaster Response and Crime Scene Awareness. In addition, basic math computation and drug knowledge for medication administration are continued throughout Paramedic education. Course content includes current National EMS Education Standard Competencies.

EMS2636L Paramedic Science IV Laboratory **Credit Hours: 2**

Final skills Laboratory dealing with scenarios covering all aspect of the curriculum. Demonstration of skill competencies for Certification in ACLS, PEPP, 12 Lead ECG, Support, Emergency Management of Acute Stroke, and Traumatic Brain Injury required.

EMS2641 Paramedic I - Hospital Clinical **Credit Hours: 1**

Second of four hospital courses beginning at the Paramedic 2 level, stressing Advanced Life Support (ALS) skills for the paramedic student. Provides for directed supervised experiences in local hospitals including patient assessment, documentation and recording of patient care. Clinical experiences with patients having Cardio-Respiratory problems are stressed. Invasive procedures for IV therapy and medication administration are emphasized. Data recording of skill competencies on web based computer system is required.

EMS2642 Paramedic III - Hospital Clinical **Credit Hours: 2**

Third of four hospital courses continuing Advanced Life Support (ALS) skills for the paramedic student. Provides for directed supervised experiences in local hospitals. Clinical experiences with patients having Medical and Trauma Emergencies is stressed. Special patients of interest include OB-GYN, neonates, pediatric, psychiatric, geriatric, and patients with special challenges. Data recording of skill competencies on web based computer system is required.

EMS2643 Paramedic IV - Hospital Clinical **Credit Hours: 2**

Last of four hospital courses involving patient care in a variety of emergency and health care agency sites Clinical experiences with patients of all age groups and medical/traumatic conditions is continued. Data recording of skill competencies on web based computer system is required. Health and Liability insurance required.

EMS2650 Paramedic Science I Field **Credit Hours: 1**
First of four courses dealing with the application of didactic material in the rescue field. Provides for directed, supervised experiences on EMS Advanced Life Support (ALS) vehicles. Emphasis on clinical activities and observations related to the US Department of Transportation (DOT). Activities limited to practice of basic life support skills, assisting as a member of the EMS team and observation of paramedic level skills and activities. Documentation of patient care observations and patient care experiences using FISDAP is required.

EMS2651 Paramedic Science II Field **Credit Hours: 2**
Second of four field courses that provides for directed, supervised experiences on EMS Advanced Life Support (ALS) vehicles. Emphasis on clinical activities related to physical assessment with emphasis on patients with Cardio-Respiratory problems. Invasive procedures for IV therapy and medication administration are introduced. Data recording of skill competencies on web based computer system is required.

EMS2652 Paramedic Science III Field **Credit Hours: 2**
Third of four field courses stressing continuation of Advanced Life Support Skills for the Paramedic student. Provides for directed, supervised experiences on Advanced Life Support (ALS) vehicles. Emphasis on clinical activities related to trauma care, medical emergencies, obstetrics, pediatrics, geriatrics and specialty areas.

EMS2653 Paramedic Science IV Field Internship **Credit Hours: 1**
Final field course where student serves as team leader on EMS calls under supervision of EMS agency preceptor. Provides for directed, supervised experiences on Advanced Life Support (ALS) vehicles with increasing responsibility for the management of the EMS response.

ENC0015C Developmental Writing I **Credit Hours: 4**
This course provides an overview of the fundamentals of grammar, mechanics, usage, sentence structure, and paragraph development. A laboratory component will supplement classroom instruction.

ENC0017C Accelerated Literacy Reading/Writing Integration **Credit Hours: 4**
This course will focus on critical thinking skills required to read, analyze, and synthesize written information, including the expansion of vocabulary and grammatical/mechanical skills required to successfully negotiate the writing process in preparation for reading and writing at the college level.

ENC0025C Developmental Writing II **Credit Hours: 4**
A refinement of grammatical, mechanical, and usage principles including an overview of the strategies of paragraph and essay development. A laboratory component will supplement classroom instruction.

ENC1101 Composition I **Credit Hours: 3**
ENC1101 is a university parallel course that requires students to learn and practice writing by creating original compositions, exploring basic rhetorical forms such as narration, exposition, and argumentations. Students will also develop research skills and learn to incorporate research material through the writing process. For non-exempt students, placement in ENC1101 is determined by both standard and departmental assessment tests. Students must earn a grade of C or higher to meet the requirements of the Gordon Rule for writing. This is a writing credit course that focuses on extensive writing and revision.

ENC1102 Composition II **Credit Hours: 3**
Composition II is designed to further develop a student's communication skills by building on the writing and critical thinking strategies learned in ENC1101. The course requires students to observe the conventions of Standard American English and create documented essays, demonstrating a students' ability to think critically and communicate analytically. Selected texts supplement the course and provide topics for discussion and assignments. Students use library research methods for primary and secondary sources to produce MLA style-documented and well-argued research essays and projects. This is a writing credit course. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ENC2210 Professional and Technical Writing **Credit Hours: 3**
A composition course focusing on writing for business, science, and technology. Assignments include letters, memos,

resumes, reports, proposals, an oral presentation, and the use of graphics. Students use a variety of research and investigative techniques to produce documented papers on science, business or technological subjects.

ENG2101 The Film as Literature **Credit Hours: 3**
Focuses on the relationships of two art forms - literature and film - and pays particular attention to how film has evolved as an art form and the ways which literature and its elements have influenced film. Also examines uses of literary techniques and the ways they have been adapted to film. Selected novels, short stories, plays, essays and/or memoirs may also be read as a means of comparing film and literature. This is a writing credit course with international/intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ENL2012 British Literature to 1798 **Credit Hours: 3**
Traces the development of the thematic, linguistic, and literary characteristics of British literature up to the 18th century. Emphasis will be placed on Chaucer, Shakespeare, Milton, Swift, and authors that reflect the changing literary canon. This is a writing credit course with international/intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ENL2022 British Literature Since 1798 **Credit Hours: 3**
Students will be introduced to diverse representative works of British literature published since 1798. Texts may include all genres. Upon successfully completing the course, students will understand the significant works, writers, concepts, and movements of the period. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ENL2330 Introduction to Shakespeare **Credit Hours: 3**
This course introduces students to the background of Shakespeare's life and work. Shakespeare's sonnets or narrative poems and plays are presented and the structure, content, and vision of Shakespearean histories, comedies, tragedies,and romances are studied. The course offers an opportunity to reinforce critical reading, writing, and research skills with regard to an iconic writer of western literature.

ENY1001 Bugs & People **Credit Hours: 3**
A survey course in entomology for non-majors. The focus will be on both beneficial and detrimental impacts of insects and related arthropods and their role in the environment. Interactions with man, such as insects as global culture, global mythology, disease factors, agricultural pests, urban pests, indicators of environmental health, pollination and forensic crime-solving tools will be given emphasis. Both current and historical events and their impacts will be examined. The students will be given a non-anthropogenic view and expand their knowledge about the abundance and diversity of the largest group of animals on the Earth.

ENY3005 Principles of Entomology **Credit Hours: 2**
An introduction to entomology with lecture and labs on insect structure, development, classification, habits and control.

ENY3005L Principles of Entomology Laboratory **Credit Hours: 1**
An introduction to entomology with lecture and labs on insect structure, development, classification, habits and control.

ENY3222 Biology & Identification of Urban Pests **Credit Hours: 3**
An instructional program that describes insects. Including life cycle, morphology, physiology, ecology, and taxonomy of urban pests.

ENY3225 Principles of Urban Pest Management **Credit Hours: 3**
This course and will cover the methods of managing urban pests, such as cockroaches, fleas, termites, flies, stored food pests, and ants. Chemical and nonchemical methods of control will be emphasized.

ENY3228 Urban Vertebrate Pest Management **Credit Hours: 2**
This is a companion course designed to complement ENY3225, Principles of Urban Pest Management. It covers vertebrate pests and their control in the Urban Environment, principally structural and landscape pests. Much of the

information is also applicable to nursery settings.

ENY4060 Medical and Veterinary Entomology **Credit Hours: 3**
This course presents the major tick, mite and insect vectors of disease to man and animals. Students will learn to identify and understand the morphology, behavior and life cycles of disease vectors. Disease-cycles, prevention, impact and treatment will be discussed. Disease transmission and epidemiology of cevtor-borne diseases will also be covered.

ENY4161 Insect Classification **Credit Hours: 3**
Classification of major families of adult insects with emphasis on their identification, habitat and niche. A properly curated collection is required.

ENY4592 Mosquito Biology **Credit Hours: 3**
Mosquito Biology is an introduction to mosquito classification, natural history, ecology, physiology, population dynamics, mosquito-borne disease and control. The relationships between mosquitoes, humans, and the environment, along with the mechanisms of pathogen propagation and transmission will be emphasized.

ENY4905 Review of Scientific Literature **Variable Credit Course (1-3 Credit Hours)**
A course where critical thinking is developed through the analysis and critic of scientific literature and research.

EPI0001 Classroom Management **Credit Hours: 3**
This course prepares the participant to set up a classroom, establish classroom policies and procedures, create objective-based lesson plans, utilize various styles of presentations, employ varied teaching strategies including technology infused instruction, develop and administer various forms of assessment, integrate Sunshine State standards into lesson development, establish and maintain cooperative relations with parents, and research professional literature to seek best practices and to hone the craft of effective instruction. A major focus is the ethical and legal obligations of the teaching profession. Participant will build a developmental assessment and professional portfolio demonstrating mastery of competencies.

EPI0002 Instructional Strategies **Credit Hours: 3**
This course prepares the participant to become proficient in the application of a variety of instructional strategies based on knowledge of learning styles, cooperation and collaborative group activities, accommodation for exceptional students, and to develop effective lesson plans that infuse technology.

EPI0003 Technology **Credit Hours: 3**
The course prepares the participant to employ technology as an integral part of the teaching and learning process. Instruction is provided in commonly used software suites and on the internet. The use of blended learning to enrich and engage students and increase their technology skills is a major emphasis. Copyright and fair use guidelines are reinforced.

EPI0004 The Teaching & Learning Process **Credit Hours: 3**
This course provides the participant with a foundation in various learning theories as applied in the instructional process. Standardized testing interpretation and use of results is stressed. Student characteristics such as exceptionalities, motivation, persistence, and second language acquisition will be addressed.

EPI0010 Foundations of Research-Based Practices in Reading **Credit Hours: 3**
This module provides substantive knowledge of language structure and function and cognition of phonemic awareness, phonics, fluency, and comprehension. Further, it provides knowledge of the integration of the reading components. Instruction in this module is grounded in scientifically-based reading research as a mechanism to inform instructional practice.

EPI0020 The Teaching Profession **Credit Hours: 2**
This course provides the foundation for becoming a productive member of the teaching profession. The participants will gain understanding of the organization and administration of the public school, the laws governing teachers, the code of ethics, and the purpose of schools. This course develops a professional perspective and creates a sense of grounding in the profession of teaching.

EPI0030 Diversity in the Classroom **Credit Hours: 2**
This course provides the participant with an understanding of the variety of backgrounds and cultures that may be found in a typical classroom. The participant will gain a broader view of the social aspects of diversity and reevaluate personal beliefs and prejudices that may adversely affect the learning process.

EPI0940 Field Experience **Credit Hours: 1**
This course is designed to provide the opportunity to the student with the experience of observing, interacting and working with a school population.

EPI0945 Field Experience **Credit Hours: 1**
This course provides the opportunity to gain insight into the instructional process by completing 15 hours of field experience in public, charter, or private schools. Cohorts will meet together to discuss these experiences and to relate them to their observations of students as well as student behaviors and interactions in the schools.

ESC1000 Earth Science **Credit Hours: 3**
An integration of the three classic disciplines of the earth sciences: geology, meteorology, and oceanography. Course will focus on the basic principles governing these disciplines and the effect of each on man.

ESC1000L Earth Science Laboratory **Credit Hours: 1**
This course will have experiments and exercises that will be investigating the hydrosphere, lithosphere and atmosphere of earth. The earth will also be mapped and investigated as an object in space. At least three of the following five units will be covered: (1) Introduction to Laboratory Study, (2) The Solid Earth, (3) Earth's Waters, (4) Earth's atmospheres and (5) Mapping. A special fee will be charged.

ESC4074 Weather & Climate **Credit Hours: 3**
This course provides an introduction to general meteorology and atmospheric sciences for students in the TEP (Teacher Education Program). It includes the composition and structure of the atmosphere and characteristics that affect it, such as temperature, humidity and pressure. The course examines the development of meteorological phenomena, such as storm systems, hurricanes, weather fronts and cloud formations. Climatologic concepts will also be explored. This course maintains scientific integrity and addresses technologies used in both meteorological and climatic studies.

ETD1320 Basic CAD **Credit Hours: 3**
First course in computer aided design (CAD), Laboratory work using AutoCAD software. Topics include fundamentals of DOS, AutoCAD command structure, setting units and limits, drafting primitives, layering, use of editing tools; grid, snap, and axis commands. Assignments requiring extensive use of the CAD lab.

ETD2350C Advanced CAD **Credit Hours: 3**
Covers additional topics in AutoCAD which include blocks, move and copy, array, mirror, text, text styles, 3-D and isometric modes. The development of macro operations.

ETI1110C Introduction to Quality Assurance **Credit Hours: 3**
This course defines the role of quality in an industrial environment. Topics include the use of quality management techniques and quality philosophies, process development, techniques used for evaluation, approaches used on continuous operations, methods used to control quality, and the International organization for Standardization (ISO) series of standards. The responsibility of quality assurance during the engineering, manufacturing, and marketing of a product is also covered.

ETI1420 Processes & Materials **Credit Hours: 3**
This course provides coverage of the characteristics, fundamentals, and manufacturing properties of materials, including metal alloys, polymers, ceramics, and composites. The metal-casting processes and the shaping and forming processes are also covered along with the machines needed for manufacturing.

ETI1701 Safety **Credit Hours: 3**

This course focuses on the theories and principles of occupational safety and health in a practical and useful real world job related setting. The major topics include the Occupational Safety and Health Administration (OSHA) compliance, safety standards, code enforcement, ergonomic hazards, mechanical hazards, falling, lifting, electrical hazards, fire hazards, industrial hygiene, radiation, noise, emergencies, and environmental safety.

ETM1010C Measurement & Instrumentation **Credit Hours: 3**
This course provides the basic foundation for both mechanical and electronic measurement techniques used in manufacturing environments. The course will integrate the concepts, principles, and techniques of mechanical measurement with the use of various types of instruments including micrometers, verniers, calipers, gages, and other types of measuring equipment. The course will also introduce the student to the basic measurement techniques employing electronic test equipment including the operation and usage of digital multi-meters, function generators, and oscilloscopes.

ETP2402C Introduction to Solar Photovoltaic (PV) Systems **Credit Hours: 3**
This course delivers an introduction to background essential theory, principles, and future of distributive energy technology. It focuses on solar/photovoltaic systems work and integrate with the electrical grid. This course is the first of a two-part series (precursor to the installation course EET2551C) that will prepare the student for the North American Board of Certified Energy Practitioners (NABCEP) certification.

ETP2410C Installation of Solar Photovoltaic (PV) Systems **Credit Hours: 3**
This course covers the design and installation of photovoltaic systems. It is the second course in a two-part series (follow-up to the Introduction to PV Systems EET 2550) which provides all the content necessary to prepare the student for the North American Board of Certified Energy Practitioners (NABCEP) certification.

ETS2224C Fiber Optic Communications **Credit Hours: 3**
This extensive Laboratory experience covers fiber optic communication systems and devices. Topics include electronic and optical devices, splices and fiber optic cables as well as telecommunications applications of fiber optic systems.

ETS2436C Biomedical Instrumentation I **Credit Hours: 3**
Students will acquire proficiency in biomedical equipment maintenance through classroom and laboratory environment and will gain familiarity with and learn to evaluate, troubleshoot, test, and repair various types of biomedical equipment. Students will also learn to function in a hospital environment through an internship in the biomedical department of a participating hospital or biomedical equipment company.

ETS2542C Programmable Logic Controllers (L) **Credit Hours: 3**
This course teaches the fundamental principles of Programmable Logic Controllers (PLCs), and how they are used to control industrial processes. Topics covered are PLC hardware, number systems and codes, fundamentals of logic, PLC programming, wiring and ladder diagrams, programming timers, and programming counters.

ETS2940 Biomedical Engineering Tech. Internship **Credit Hours: 3**
The student will participate in a 13 weeks internship, 24 hours per week at a cooperating hospital. Topics will include orientation, orientation to biomedical engineering, medical instrumentation theory, safety standards, "hands-on" preventive maintenance procedures and equipment repair activities. The hospital biomedical engineering staff will directly supervise all aspects of this course.

EUH1000 Western Civilization: Ancient through Renaissance **Credit Hours: 3**
Historical survey of Western culture from its roots in the ancient Near East to the beginning of the early modern period. Provides students with broad foundation of knowledge to understand socio-economic, intellectual, political and other cultural forces which have shaped (and continue to shape) Western civilization. Students will explore and apply general principles of historical methodology, and will develop their critical reading, thinking, and writing skills throughout the course. Geographic range: Near East, Mediterranean basin, Western Europe. Course themes comprise: development, expansion, and cultural influence of Greco-Roman civilization; encounters between diverse cultures over the several millennia which comprise Western Civilization, and the transformations which result from such encounters; the rise and fall of governmental, economic, and social systems; and the intersection of cultural institutions and

historic events. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

EUH1001 Western Civilization: Reformation through Modern **Credit Hours: 3**
This course surveys the major political, social, economic, cultural and international developments that shaped Western Civilization from the 17th century to the 21st century. Major topics include the evolution of the European nation-state, the emergence and consequences of modern political ideologies, and the roles of revolution, war, industrialization and technological innovations in an era that saw Europe achieve and then lose world hegemony. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

EUH2032 History of the Holocaust **Credit Hours: 3**
This course examines the historical origins, execution, and consequences of the Holocaust.

EUH2052 History of Spain **Credit Hours: 3**
This course will examine Spain's historical development from prehistoric times to the present. Particular emphasis is placed on tracing the effects upon modern Spain of the major events in the nation's history, as well as the impact on the country of historical phenomena such as the Renaissance, the Enlightenment, the Napoleonic Wars and industrialization. The last part of the course examines the Spanish Civil War, Francoism and the country's subsequent reemergence in the international community.

EVR1001 Introduction to Environmental Science **Credit Hours: 3**
Study of the physical environment, its relationship with the biosphere, and man's impact upon natural systems. This course includes ecological systems, Florida environments and geology, pollution and environmental regulations, renewable and nonrenewable resources, and sustainability. This course meets General Education requirements in the Biological and Physical Sciences. Placement by Testing Department.

EVR1263 Fundamentals of Air Pollution **Credit Hours: 3**
This course will cover the fundamentals of air pollution like various types of pollutants, their sources and health effects they on humans, animals and plants; monitoring and control aspects of gaseous and particulate pollutants; meteorological aspects governing the air pollution; automobile pollution; air pollution legislation and standards.

EVR1858 Environmental Regulation **Credit Hours: 3**
This course deals with the purpose of federal, state, and local environmental law and its impact on South Florida and the larger world community. Reason for protection of the environment, compliance with legislation, and the concept of due diligence are emphasized. Extensive use of the case studies approach will be used to illustrate the application of law.

EVR2930 Environmental Science Seminar **Credit Hours: 1**
Selected current topics in environmental science and related subjects are discussed.

EVR2949 CO OP Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer.

EVS2893C Environmental Sampling & Analysis **Credit Hours: 5**
This course provides an introduction to EPA and DEP-approved methods for the collection and analysis of environmental samples. The laboratory is integrated with class theory. Topics include; sampling of water, soils, sediments and hazardous waste; application of field and laboratory-based analytical methods; documentation procedures; method validation including generation of precision, accuracy, and detection limits; writing comprehensive and project-specific quality assurance plans.

FES2010 Introduction to Emergency Management **Credit Hours: 3**
A study of Emergency Management, including the current organizational structure/procedures of emergency management programs, the 4 phases of emergency management: mitigation, preparedness, response and recovery, and past and current emergency management systems.

FFP1000 Introduction to Fire Science **Credit Hours: 3**
This introductory course will examine the evolution of the modern fire department, chemistry and physics of fire, fire hazard properties of materials; combustion; theory of fire control; importance of fire protection; public fire defenses; and other materials pertinent to fire service.

FFP1505 Fire Prevention Practices **Credit Hours: 3**
Fundamentals of fire prevention are introduced with examination of fire causes and effects. The function of fire prevention bureaus, enabling legislation regulations and standards are discussed. Additional areas of study include the inspection process, fire code enforcement, local decisions, fire investigations, records and reports.

FFP1510 Codes & Standards **Credit Hours: 3**
Review of specific requirements of codes and standards that have a direct influence on life safety in both new and existing structures. Study includes discussion on the requirements for property protection.

FFP1540 Private Fire Protection Systems 1 **Credit Hours: 3**
This course examines requirements for and testing of fire sprinkler and standpipe systems, chemical systems, detection and alarm systems.

FFP1740 Fire Service Course Delivery **Credit Hours: 3**
Examines the instructor's role and responsibility in the teaching/learning process, introduction of teaching/learning styles, job task analysis, learning objectives, lesson planning and development, testing and evaluation, and administration of programs.

FFP1793 Fire & Life Safety Educator I **Credit Hours: 3**
This course is designed to provide the public educator with the knowledge and skills to successfully perform as a fire and life safety educator. Case study topics include fire behavior, community assessment, injury prevention and juvenile fire-setting. The student will also develop presentation skills and learn how to formulate public education programs. This course meets state and national certification criteria for Fire and Life Safety Education, Level I.

FFP1810 Firefighting Tactics & Strategy **Credit Hours: 3**
A study of tactical considerations and strategic options employed in the extinguishment of fires; Pre-planning and company level field operations will be analyzed with application of course concepts.

FFP1830 Introduction to Hazards **Credit Hours: 3**
An in-depth study of the details and dynamics of natural and man-made hazards. Includes methods and means to measure, monitor and predict the physical impact of hazards on society. Special emphasis on hazards that impact Florida.

FFP2111 Fire Chemistry **Credit Hours: 3**
Study of the physical and chemical properties of matter, with a particular emphasis on hazardous materials, hydrocarbons, oxidation-reduction chemistry, and residuals of pyrolysis. Topics covered include atomic structure, the periodic table, chemical bonding, chemical measurement, stoichiometry, and the study of chemical properties according to group, class, and reactivity. Sample collection and analysis is included as a practical component of the course.

FFP2120 Fire Service Building Construction **Credit Hours: 3**
Course examines objectives and criteria of South Florida building code requirements for various types of occupancies, classification by types of construction, building materials, fire resistant standards, egress, permits, inspections, and standards, and other pertinent material for building construction.

FFP2301 Fire Hydraulics **Credit Hours: 3**
Study of the physical properties of water used in fire protection. Basic hydraulic measuring units, facts, theories and formulas for problem solving.

FFP2302 Fire Apparatus & Procedures **Credit Hours: 3**
This course offers study in evolution of fire apparatus; apparatus construction; pumps and pump accessories; pumping procedures; pump tests; trouble shooting; aerial ladders; aerial platforms; maintenance; driving fire apparatus.

FFP2521 Construction Documents & Plans Review **Credit Hours: 3**
Students will review actual building plans and apply codes, standards and inspection techniques, to find errors and omissions. Students shall make appropriate corrections according to the code, and with preferences identified.

FFP2541 Private Fire Protection Systems II **Credit Hours: 3**
This course is an in-depth discussion of pre-engineered and portable systems, extinguishing agents, inspection procedures for code compliance and enforcement, and alarm systems. Contemporary systems are examined through case studies. This course is part of the Fire Inspector II State Certification.

FFP2610 Origin & Cause **Credit Hours: 3**
A study of the arson and investigation problems examining facts and figures, motives and the role of fire department in arson suppression. Reviewing chemistry of explosions. Analyzing the juvenile arson problem. Analysis of urban fires, automobile fires, and reports, interrogation and presenting the arson case in the court-room.

FFP2630 Latent Investigation **Credit Hours: 3**
Study of proper crime scene and fire scene investigation including conduct of appropriate documentation, collection and preservation of evidence, and the qualitative analysis of data to determine whether or not prosecution for the crime of arson is indicated. Special situations/problems will be examined including the arsonist's use of explosive and hazardous materials. Motives for arson will be discussed, and distinctions made between civil and criminal situations.

FFP2670 Legal Issues for Investigators **Credit Hours: 3**
Study of the applicable laws and attending legal considerations associated with the successful prosecution of arson cases. Specific areas of concentration include witness statements, interviews, interrogations, depositions, and written reports. Expert qualification and effective courtroom testimony will be examined and evaluated. Distinctions will be discussed between civil and criminal situations. Students will be required to prepare a case for prosecution from evidence gathered and/or provided in class, and present their testimony in a mock trial activity.

FFP2706 Public Information Officer **Credit Hours: 3**
This course prepares the student to serve effectively as an organizational spokesperson, according to current practices in the profession of public relations and numerous examples from the fire service. Particular emphasis will be placed on case studies in crisis communications and the role of the Public Information Officer's role in the Incident Command System. This course is part of the Fire Officer II and Fire Inspector II State Certification programs.

FFP2720 Company Officer **Credit Hours: 3**
Study of superior subordinate relationships, motivation, leadership, morale, discipline, work planning and other supervisory responsibilities related to fire dept. operations.

FFP2741 Fire Service Course Design **Credit Hours: 3**
Course covers the principles of effective curriculum design in the Fire Service field. It stresses the principles of adult and student-centered learning. Students learn to design courses and units that address learning, performance, and behavioral objectives as related to Fire Science.

FFP2770 Ethical & Legal Issues for the Fire Service **Credit Hours: 3**
This course deals with the entire spectrum of issues facing today's fire service leaders. Topics include: labor relations, human rights and diversity, conflicts of interest and frameworks for ethical decision-making are used. Case studies are used to explore contemporary issues. Students will be notified prior to the class. Part of Fire Officer II.

FFP2780 Fire Department Administration **Credit Hours: 3**
An introduction into managing fire services and community fire protection programs. Relationships between the

insurance industry, the professional community, contemporary management and planning concepts are analyzed.

FFP2800 Emergency Management Public Education Programs **Credit Hours: 3**
The design, development and delivery of emergency disaster safety and informational programs to the public, including targeting program audiences and evaluating the effectiveness of the programs are analyzed.

FFP2811 Firefighting Tactics & Strategy II **Credit Hours: 3**
This course applies the basic principles learned in FFP1400 to specific fire problems, e.g., churches, flammable gases and liquids, lumberyards, department stores, residential, supermarkets, and warehouses. Included are additional pointers on solving these problems and those of a miscellaneous nature; also command responsibilities on the fire ground.

FFP2831 Hazard Planning & Mitigation **Credit Hours: 3**
An examination of how to develop programs that will reduce losses from future disasters, emergencies and other extreme events caused by natural and man-made hazards.

FFP2840 Disaster Response & Recovery **Credit Hours: 3**
This course teaches all aspects of disaster operations with an emphasis on disaster response and recovery. Tactics, techniques and procedures for meeting the needs of disaster victims, providing mass care, and organizing and maintaining response operation.

FFP2841 Emergency Planning for Business & Industry **Credit Hours: 3**
A study of the contingency planning process of emergency/disaster preparedness in the corporate world, including a step-by-step approach to emergency planning, response and recovery for companies of all sizes.

FIL1100 Screenwriting 1 **Credit Hours: 3**
The course is a workshop in which students will develop their own original stories, while learning basic narrative structure for feature length screenplays. Student will also learn to break down and analyze popular screenplays.

FIL1131 Screenwriting II **Credit Hours: 3**
The course is a workshop in which students will develop their own original stories, while learning advanced structure and formatting for complex short narrative screenplays.

FIL1420C Film 1: Introduction to Filmmaking **Credit Hours: 4**
Provides a basic understanding of digital film production technology, equipment operation, terminology, and techniques, as well basic industry positions, procedures and protocols in the production of several short narrative motion pictures.

FIL1456C Film Production Design **Credit Hours: 3**
In this course, students will learn basics of production design and its importance in film. Production design concepts and techniques will be developed and applied in class.

FIL1552C Film Editing I **Credit Hours: 3**
Basic theory and practice of nonlinear editing for narrative motion pictures using industry motion picture editing software.

FIL2000 Film Appreciation **Credit Hours: 3**
This course is designed to provide an introduction to film as an art form, cultural product and social artifact. It will include the understanding of basic analytical and technical forms, concepts, issues and development of critical skills. It will also include the history, development, theory and criticism of film art, as well as the basic principles of film making and film production. This is a writing credit course and an International/Intercultural competency course. Students must earn a minimum grade of a C to meet the requirements of the Gordon Rule for writing.

FIL2432C Film 3: Fiction Filmmaking **Credit Hours: 4**
Building on the basic concepts of Film Productions I and II, students continue to develop an understanding of

professional digital film production with the addition of basic lighting and sound for cinematic storytelling. Industry positions, procedures and protocols will be emphasized during the production of several short narrative motion pictures.

FIL2438C Film 2: Nonfiction Filmmaking Credit Hours: 4
Building on the concepts of Film Production I, students continue to develop an understanding of professional digital film production with emphasis on documentary production. Industry positions, procedures and protocols will be emphasized during the production of several short motion pictures.

FIL2471C Visual Effects Credit Hours: 3
This course will introduce students to the basic theory and techniques used in digital visual effects for film. Topics covered will include Text Effects, 3-D Effects with Motion, Image Compositing and Green-Screen compositing.

FIL2515C Film 4: Producing the Short Film Credit Hours: 4
This course emphasis preproduction and production protocols, direction of actors, rehearsals, camera staging, visual effects, scene coverage and shooting for continuity. Working in teams, the students learn to apply the knowledge acquired in previous film courses to the production of short narrative sound films of portfolio quality.

FIL2537C Sound Design Credit Hours: 3
This course will introduce students to the basic theory and techniques used in sound design for film and video. Topics covered will include sound recording and the use of sound editing software to execute dialogue replacement, effects, sweetening, and foley. Students will create a mix of the three stems of sound design: Dialogue, Music, and Sound Effects.

FIL2572C Advanced Post Production Credit Hours: 3
Students will employ advanced theory, techniques and procedures used in editing, sound design, visual effects and color correction for film using industry-standard software.

FIL2611 Film Business & Entrepreneurship Credit Hours: 3
In this course, students will learn the business aspect of filmmaking, including creating a business plan that involves marketing, distribution and exhibition. Legal aspects of filmmaking are also covered.

FIL2647 Film Producing & Production Management Credit Hours: 3
This course will introduce students to the theory and practice of producing and managing picture productions, from preproduction to post, including the management of above-the-line talent. Topics covered will include budgeting, script breakdown, scheduling, location scouting, and crew procurement, among others.

FIL2791C Motion Picture Visual Post Production 1 Credit Hours: 3
Basic theory and practice of computerized photo re-touching, digital video compositing, and motion graphics for narrative motion pictures using industry standard imaging software such as Photoshop and After Effects are examined.

FIL2930 Special Topics in Film & Video Credit Hours: 3
Course centers around topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester.

FIL2945 Film Internship Credit Hours: 3
Students will learn to apply the various skills gained throughout the program in a semester-long immersion at an established film entertainment company for a minimum of 100 hours. The student will produce a portfolio of work and a resume.

FIN1100 Personal Finance Credit Hours: 3
This course provides a survey of the areas of personal economic problems with which all individuals must contend. Course content guides each person towards receiving favorable results in the following areas: buying on credit, borrowing money, using bank services, and investing savings; selecting from various types of insurance coverage; home ownership vs. renting; obtaining investment information, investing in stocks and bonds; income taxes; Social Security; Medicare, retirement planning and annuities; and estate planning, wills, and trusts.

FIN2051 Finance of International Trade **Credit Hours: 3**

This course provides a general survey of international trade. Topics studied include transportation modes, cargo insurance and the various special terms of sale used in overseas transactions. Also covered are import/export, foreign exchange, pricing and quotations; import/export documentation and procedures; documentary credits, international payments and collections; bank financing sources for international trade and alternative financing techniques.

FIN3400 Principles of Financial Management **Credit Hours: 3**

This is an introductory course in managerial finance in which the student should attain a clear, basic understanding of the fundamentals of finance and their associations to the decision-making framework faced by a financial manager. Topics include time value of money risk and rates of return, asset valuation, financial planning and forecasting, working capital management and international financial management.

FIN3403 Managerial Finance **Credit Hours: 3**

This is an introductory course in managerial finance in which students gain a clear, basic understanding of the fundamentals of finance and its related decision-making. The course will cover all elements of organizational finance from budget development to finance management, and from procurement to accounting. topics include: how financial structure and operational efficiency affect a firm; alternative methods of raising funds; concepts of equity versus borrowed funds; financial planning and forecasting, working capital management; international financial management and other topics relevant to the acquisition, financing, and management of business assets and business decision-making, with emphasis on doing business in a multi-national environment.

FOS2201 Food Service Sanitation & Safety **Credit Hours: 3**

This course provides the student with the basic concepts of food microbiology and food borne diseases. Standards enforced by food regulatory agencies will be identified. All information will lead to the application of measures to prevent food borne illness. This course includes a comprehensive exam leading to national certification.

FRE1000 Elementary French Conversation **Credit Hours: 3**

A custom made course for those residents in the community who require a cursory knowledge of French to help them communicate with French speaking people.

FRE1120 Beginning French I **Credit Hours: 4**

Fundamentals of speaking, listening-comprehension, reading, writing, and Francophone culture. Classroom practice and exercises supplemented by laboratory and/or multi-media designed to develop communicative competence and cultural sensitivity. Student expected to continue further implementation and expansion of their proficiencies in FRE1121 and FRE2220. Students are encouraged to study abroad.

FRE1121 Beginning French II **Credit Hours: 4**

A continuation of FRE1120 which further develops the basic skills in speaking, listening-comprehension, reading, writing, and appreciation of Francophone culture. Classroom practice and exercises supplemented by laboratory and/or multi-media activities designed to develop and enhance communicative competence and cultural sensitivity.

FRE2220 Intermediate French I **Credit Hours: 4**

This course is a continuation of FRE1121. This course further develops competencies in listening and reading comprehension, speaking and writing. Cultural components are embedded through the introduction of complex grammatical and idiomatic structures. Classroom practice and exercise are supplemented by laboratory and multimedia activities designed to develop and enhance communicative competence and cultural sensitivity. This course includes compositions and readings in francophone prose and poetry. Special fees charged. This course meets the foreign language requirement and it is an International/Intercultural competency course.

FSS1203C Quantity of Food Production I **Credit Hours: 3**

Students will acquire the fundamental concepts, skills and techniques involved in the management of resources, use of recipes, use and care of equipment, and evaluation of food products. Special emphasis is given to practical demonstrations in breakfast cookery, salads, dressings, cold sauces, sandwiches, and safety and sanitation principles. Students must successfully pass written and practical cooking examination covering a variety of techniques and procedures.

FSS1240C Classical Cuisine **Credit Hours: 3**
This course provides the professional culinary student with new menu items and terminology. It sets and applies standards to hot/cold hors d'oeuvres, appetizers, large and small dinner parties, and pastry products. The students observe preparation skills, write recipes, practice correct serving techniques, and taste the prepared food.

FSS1246C Baking & Pastries I **Credit Hours: 3**
Students will acquire knowledge of the composition and properties of baking ingredients. They will utilize the proper equipment and tools, and standardized recipes to prepare yeast breads, rolls, pastries, and cakes in the food service laboratory. The instructor will evaluate the products prepared based on established food service standards.

FSS1284 Catering **Credit Hours: 3**
This course provides a survey of catering operations. Topics covered include the preparation of a menu, estimating cost and food quantities, planning the room arrangement, the setup of buffet and service tables, and the performance of services. In addition, the allocation of time to prepare, transport, and setup the equipment and food for a catered affair are studied.

FSS2204C Quantity of Food Production II **Credit Hours: 3**
This course will enable students to learn and execute various methods preparing vegetable, starch, meat, fish, and poultry cookery, including the basic cooking techniques: sautéing, roasting, poaching, braising and frying.

FSS2205C Quantity of Food Production III **Credit Hours: 3**
Students will focus on the knowledge and preparation of job descriptions. Students will utilize all commonly accepted methods of recruiting a successful staff. Menu selection, staffing, and balance will be studied. The course also emphasizes safety and sanitation procedures. Students will learn about common problems in hiring and supervising employees.

FSS2242C International Cuisine **Credit Hours: 3**
This course covers international cookery as it applies to modern menu use and selection. It includes preparation of cold buffet, entree, dinner accompaniment, and flambé dessert. The students observe preparation skills, write recipes, practice correct serving techniques, and taste the prepared food.

FSS2247C Baking & Pastries II **Credit Hours: 3**
Students will continue to build knowledge of the composition and properties of baking ingredients. They will utilize the proper equipment and tools, and standardized recipes to prepare yeast breads, rolls, pastries, and cakes in the food service laboratory. The instructor will evaluate the products prepared based on established food service standards.

FSS2248C Garde Manger **Credit Hours: 3**
Students will acquire knowledge and demonstrate skills in the cold foods area of the kitchen. The key topics will include sausages, pats, terrines, cured and smoked foods, cheese making, hors d'oeuvres, appetizers, condiments, garnishing and ice carving.

FSS2251 Food & Beverage Management **Credit Hours: 3**
Covers the principles and procedures involved in an effective food and beverage control system, including standards determination, the operating budget, cost-volume-profit analysis, income and cost control, menu pricing, theft prevention, labor cost control, and computer applications.

FSS2500 Food Service Costing & Controls **Credit Hours: 3**
This course provides a cost managing approach to the study of food and labor controls. Students examine the relationship of food and labor costs to selling price; cost control procedures for recipes and menus; pre-cost and pre-control techniques; the preparation and utilization of management reports. A review of mathematics and its application to practical problems is covered. Emphasis is placed on the utilization of controls as a tool of management.

GEA2000 World Geography **Credit Hours: 3**

Regional geographical characteristics, area relationships and major regional internal as well as interactive problems will be analyzed. The theme of this course is to impart geographic knowledge at the world regional level, then explain how these factors create global contrasts. Special emphasis will be placed on how the world has become more interdependent as complex economic systems have evolved and become more specialized. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

GEA2030 Geography of the Eastern World **Credit Hours: 3**

A regional survey of the human/cultural and physical/environmental aspects of the non-western world including the following regions: North Africa & SW Asia, Sub-Saharan Africa, South Asia, Southeast Asia, East Asia, and the Pacific Island Realm. The characteristics and special problems of each region will be analyzed from a geographical perspective in order to understand global diversity and the forces and issues that help shape the world. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

GEA2040 Geography of the Western World **Credit Hours: 3**

A regional survey of the human/cultural and physical/environmental aspects of the western world including the following regions: Europe, Russia and the C.I.S., Anglo America, Middle America, South America, and Australia. The characteristics and special problems of each region will be analyzed from a geographical perspective in order to understand global diversity and the forces and issues that help shape the world. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

GEB1011 Introduction to Business **Credit Hours: 3**

This course provides a basic study of business activity and how it relates to our economic society. Topics covered include how businesses are owned, organized, managed and controlled. Course content emphasizes business vocabulary, areas of business specialization, and career opportunities.

GEB2112 Entrepreneurship **Credit Hours: 3**

This course presents a modern treatment of business. It explores start-up/buy-out, franchising, business plans, marketing plans, human resources, financial planning, legal forms, products/services, selling, advertising, management policies, accounting systems, tax issues, capital management, information technologies, risk management, and ethical issues.

GEB2430 Business Ethics **Credit Hours: 1**

A brief practical approach to recognizing, understanding and solving ethical problems confronting today's business people and organizations. Students will review the historical development of ethics, examine a variety of ethical dilemmas, and will practice resolving them through ethical reasoning. Reference to statutory and professional codes will be addressed. Logical and responsible decision-making will be stressed with individual, organizational and societal needs being addressed.

GEB2949 CO OP Work Experience **Credit Hours: 3**

A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer.

GEB2955 International Current Business Practices **Credit Hours: 3**

Upon successful completion of this course, students should have a broad conceptual viewpoint of inter-national business activity in areas such as finance, marketing, production and manufacturing. This course covers the nature and purpose of business between nations as well as the concepts of the multinational corporation and its importance in the world marketplace. Business concepts of other nations are studied through actual visits to foreign business

enterprises. Emphasis is given to the differences in business policies between countries and their relationship to business activity.

GEB3213 Business Writing **Credit Hours: 3**
This course focuses on techniques to improve writing skills. The course will use a workshop format that relies on writing assignments, discussions, and classroom activities. An emphasis on global business writing will be included.

GEB4131 Entrepreneurship & Small Business Management **Credit Hours: 3**
A comprehensive coverage of the various tools, documents, and subject materials utilized to start and maintain a small business. This includes the entrepreneurial perspective (challenges, characteristics, self-assessment), starting a new venture/developing the business idea, developing the business/marketing/financial organizational plans, financing the new venture, managing the new venture, and coverage of special issues such as legal, franchising, and international entrepreneurship.

GEO1000 Introduction to Geography **Credit Hours: 3**
This course is a study of the geographical patterns of both human and physical phenomenon and the interaction between humans and their environment. Through readings in the text and/or supplemental sources and via class lectures, activities and discussions analysis will target the earth's physical systems including landforms, hydrosphere, and climates; human systems such as culture, population and economic/urban development; as well as human impact on the world's natural resources. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

GEO2200 Physical Geography **Credit Hours: 3**
This course serves as an introduction to the manner in which natural systems function at global and regional scales. The course uses a geographical perspective to analyze landforms, climate, the water cycle, and the biosphere, examining spatial relationships and regional variations and addressing spatial patterns of human activity as related to environmental phenomenon.

GEO2370 Conservation of Natural Resources **Credit Hours: 3**
A survey of the use and mismanagement of natural resources within the environment, including problems of development, pollution, biotic systems, population, resource depletion and technology. Special emphasis will be placed upon the spatial/geographical manifestation of conservation issues. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

GEO2420 Introduction to Human/Cultural Geography **Credit Hours: 3**
This course will introduce students to geographical concepts as applied in human/cultural issues and problems of the world today. Emphasis will be placed on tensions between globalization and human diversity. The systematic approach will offer theories and techniques developed by geographers that assist in understanding both human-cultural interaction and human-environmental interaction. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

GER1120 Beginning German I **Credit Hours: 4**
Fundamentals of speaking, listening-comprehension reading and writing in German are covered. Introduction to the German-speaking world, German language and culture. Classroom practice supported by on-line, laboratory and/or multi-media exercises, designed to develop student proficiency and confidence. Students are expected to further their skills in GER1121 and GER2220.

GER1121 Beginning German II **Credit Hours: 4**
This course further develops speaking, listening comprehension, reading and writing in German. Students become more acquainted with the German speaking world, German language and culture. Classroom practice supported by

on-line, laboratory and/or multi-media exercises, designed to develop student proficiency and confidence. Students are expected to further their skills in GER2220.

GER1170 German Study Travel **Credit Hours: 3**
A course designed for students who wish to combine the study of German with subsequent travel to a German speaking region.

GER2220 Intermediate German I **Credit Hours: 4**
Continued practice of speaking, listening comprehension, reading and writing in German. Students acquire more in-depth knowledge about the German speaking world, German language and culture. Classroom practice is supported by online, laboratory and/or multi-media exercises, designed to develop student proficiency and confidence. Student are expected to further their skills by studying abroad. This course meets the foreign language competency and is an International/Intercultural competency course.

GIS1000 Mapping Fundamentals **Credit Hours: 3**
Mapping Fundamentals introduces students to the design, compilation, and construction of thematic maps. Topics include map projections, page layout, scale change and generalization, lettering, symbols, color usage and reproduction. The major types of thematic mapping (proportional symbols, isopleths, and choropleths) are studied. Exercises utilizing graphics software (Adobe Illustrator 7.0) are designed to introduce students to computer assisted cartography. Laboratory assignments provide an opportunity to apply cartographic theory in a wide range of mapping exercises.

GIS1030 Remote Sensing & Applications **Credit Hours: 3**
This course introduces basic concepts and fundamentals of remote sensing, image processing, and the Global Positioning System (GPS). The principles and processes involved in airphoto interpretation will be reviewed and examined. Image processing techniques will be reviewed from practical and mathematical points of view. The course is intended to provide the student with the background information necessary to successfully use remotely sensed imagery and GPS in conjunction with GIS technology.

GIS1040C Introduction to Geographic Information Systems I **Credit Hours: 3**
The intent of this course is to provide the student with a detailed introduction in Geographic Information Systems (GIS) and support this information with laboratory activities. The course will cover all working knowledge of the theory aspects of geographic information systems including data collection, preprocessing, data management and data analysis as well as an introduction to the application of these systems.

GIS1042C Introduction to Geographic Information Systems II **Credit Hours: 3**
This course will build upon the student's fundamental knowledge of GIS gained in the prerequisite course titled Introduction to Geographic Information Systems I. The student will learn how to implement geographic concepts in GIS systems. The course will provide the student with the fundamental of computing and information science systems and cartography. It will introduce the student to the theory and practice of computer-aided cartography. In addition, the student will delve more deeply into data representation, manipulation and presentation.

GIS1047C Applications of Geographic Information Systems **Credit Hours: 3**
A combined lecture and laboratory course in which students will draw upon the principles learned in GIS I and GIS II to increase/refine skills and apply them to individual and/or group projects.

GIS2040C Introduction to Geographic Information Systems I **Credit Hours: 4**
The intent of this course is to provide the student with a detailed introduction in geographic information systems (GIS) and support this information with laboratory activities. The course will cover all working knowledge of the theory aspects of geographic information systems including data collection, preprocessing, data management and data analysis as well as an introduction to the application of these systems. Prerequisite: knowledge of Windows operating system.

GIS2042C Introduction to Geographic Information **Credit Hours: 3**

This course will build upon the student's fundamental knowledge of GIS gained in the prerequisite course titled "Introduction to Geographic Information System I". The student will learn how to implement geographic concepts in GIS systems. The course will provide the student with the fundamental of computing and information science systems and cartography. It will introduce the student to the theory and practice of computer-aided cartography. In addition, the student will delve more deeply into data representation, manipulation and presentation.

GIS4301C Advanced Geographic Information Systems **Credit Hours: 3**

This is an advanced project-based course where the student will apply fundamental and intermediate concepts in geographic information systems (GIS) to a specific project utilizing GIS technology and industry standard software. Students should come prepared with a project topic, scope, goals and objectives, and data sources. An oral presentation of the project will be made at the completion of the course.

GLY1010 Physical Geology **Credit Hours: 3**

Study of geologic agents, minerals, rocks, structure, and land forms. The effects of geologic events upon life and human relations are discussed. Students registering in GLY1010 are strongly urged to register in the companion lab GYL1010L.

GLY1010L Physical Geology Laboratory **Credit Hours: 1**

Study of common rocks and minerals including their classification and origin and the interpretation of landforms through the study of geologic maps. One 2-hour laboratory weekly. Placement by Testing Department.

GLY1100 Historical Geology **Credit Hours: 3**

A study of the origin and evolution of the Earth and the history of life on our planet. The course encompasses the causes and effects geologic change and the evolution of life, and the role of plate tectonics on the geologic and biologic evolution of Earth. Emphasis is placed on how and why past geologic and biologic changes occurred. Interpretations of Earth's past history are also used to help explain current events and predict future trends. Field trips are optional.

GLY1100L Historical Geology Laboratory **Credit Hours: 1**

This course utilizes activities to interpret the earth's geologic history and augments the topics covered in GLY1100. These exercises include a review of rocks and minerals interpretation of maps and aerial photography using principles to determine the sequence geologic events, application of paleontologic data, interpretation of depositional environments, stragraphic correlation, interpreting surface and subsurface structure, and pale geographic exercises.

GLY4203 Environmental Geology & Lithospheric Processes **Credit Hours: 3**

A comprehensive study of the materials that make up the Earth's lithosphere, followed by addressing the linkage between surface and lithosphere geology and the Earth's physical environment. Emphasis is placed on recognizing geologically related environmental issues and the interactions between people and the Earth's physical environment.

GLY4731 Coastal & Marine Science **Credit Hours: 3**

This course introduces students to physical, biological, and "man caused" processes that occur in the coastal environment. Marine forces that control sediment movement and morphology changes will be examined. These forces, acting on a coastal ocean environment are waves and currents with the latter being generated by waves, winds and/or tides. Together with biological processes and the active and passive action of humans from the Coastal and Marine Science. Topics to be covered include: tides, wave theory, wave and current measurements, wave hindcasting and forecasting, sediment transport, beaches and bars, sediment budget. The goal of the course is to make students aware of the most important physical and biological processes that act in the coastal environment and the role they play in shaping the coastline. After completion of the course students will be able to identify the most important relevant processes for a particular coastal environment (i.e., inner shelf, beach, tidal inlet, estuary), and apply quantitative formulations as related to an environmental and/or engineering study relevant to that environment.

GLY4746 Global Environmental Change **Credit Hours: 3**

The Earth is viewed as a system of complexly linked, continuously changing, geologic, atmospheric, biologic, and chemical processes that are characteristic of a dynamic and evolving planet. These physical, chemical, and biologic changes (both natural and anthropogenic) are explored over a wide range of space and time scale.

GLY4825 Hydrogeology **Credit Hours: 3**

This course provide an introduction to the theory and principles of ground water flow as well as stream flow. Topics include the hydrologic equation, evapotranspiration, well drilling and testing, porosity and permeability, Darcy's law, confined and unconfined aquifers, water table maps, well logs, and hydrographs. An important aspect of the course is the geological control on groundwater. The movement of water from wells to regional settings are explored. The mathematical equations used to describe groundwater flow are examined. Commonly used methods for measuring aquifer properties are discussed. Additional topics such as water law, aquifer contamination, and aquifer management will be introduced. Salt Water intrusion in Biscayne, FL or other similar examples will be examined. This course examines fluid flow through porous materials and the mathematics used to interpret hydraulic test data.

GLY4825L Hydrogeology Laboratory **Credit Hours: 1**

This course is designed to pair GLY4825. Students will learn to use instruments to determine physical, chemical, hydrologic and geologic factors that control the occurrence and dynamics of groundwater. Students will develop the ability to investigate groundwater systems and to solve simple problems in basic and applied hydrogeology.

GRA1110C Applied Design 1 **Credit Hours: 3**

An introduction to the theory, history and practice of graphic design that explores a graphic designer's role in today's marketplace through lectures, speakers and field trips. Students will survey industry job titles including layout artist, package designer, web designer, advertising and branding design, as well as the increasing role of user experience and social networking design. Students will research and present a detailed examination of one facet of the industry. The class will also address ethics, copyright, and sustainability as well as business practices and professional organizations.

GRA1144C Web Publishing **Credit Hours: 3**

This course is a basic course in designing web pages, web site architecture and navigation. Students will be instructed in the most current applications used for production of web pages. Proper coding of the pages using current web tools, with consideration of various platforms, will be provided. A special emphasis will be placed on interactivity design and page layout, and proper use of typography and images for delivery on the Internet. The class is portfolio driven, training students to follow a business process for analyzing client needs, conducting research and developing a concept for production within a budget.

GRA1151C Illustration Design 1 **Credit Hours: 3**

This course addresses the concepts and techniques necessary to create computer-generated illustrations for use in print, web and multimedia applications. Students will work with software packages utilized by professional designers. Assignments include the creation of technical illustrations, business graphics (charts, maps, tables, and diagrams) and art for other applications. The class is portfolio driven, training students to follow a business process for analyzing client needs, conducting research and developing a concept for production within a budget.

GRA1201C Typographic Design **Credit Hours: 3**

This course is an introduction to computerized typography. The emphasis is on the visual effects of type as a design and communication element. Students will form an understanding of the fundamental rules related to type design, such as kerning and leading. The primary focus of the instruction will be in how type is used in contemporary graphic design applications, but some practice in hand lettering will be included as well as a study of the how various type styles are designed. Also included is a study of font management, postscript, and handling of digital files. Students will solve a variety of problems commonly encountered in the production of a body of type for both print and electronic output.

GRA2121C Publication Design **Credit Hours: 3**

This course introduces the student to principles governing page layout and the design of publications. The industry standard software will be used for the production of professional looking publications which may include magazines, newsletters, catalogs, newspapers, books, or annual reports. Topics covered include the basic principles of effective typography; the use of grids; integration of graphics and photos into publications; basic information design principles, working with spot, process color and separations, principles of page assembly and other methodologies to design and produce a variety of single and multi-page publications.

GRA2157C Illustration Design II **Credit Hours: 3**

This advanced illustration class will expand the students' visual problem-solving vocabulary to include informational graphics, mapmaking and editorial illustration. Illustrations will use digital 2-D and 3-D solutions. In addition, students will incorporate natural material and construction into the process of illustration design. For informational graphics, students will research complex ideas and synthesize them into easily understood visual representations.

GRA2171C Brand & Ad Design **Credit Hours: 3**

This course will introduce advertising and marketing principles. Students will apply design and technical skills introduced in foundation level classes. The focus will be on solving real world advertising and promotional problems, carrying projects from initial concept to final presentation of the product. Projects will satisfy the current industry client base which demands that a graphic artist conceive a given graphic idea for production in a variety of print outputs, as well as output for the Web, TV and multimedia. The class is portfolio driven, training students to follow a business process for analyzing client needs, conducting research and developing a concept for production within a budget.

GRA2180C Applied Design II **Credit Hours: 3**

The student will apply all the knowledge acquired in previous courses to this portfolio building class. Projects will cover the full spectrum of graphic design jobs, including advertising, identity systems, packaging, way finding systems, and site-specific design. The designer will produce examples to show potential clients and/or employers the range of their skills. Sustainable design ideals will employed, assessed and communicated to the class with each project. The goal is to find the most eco-friendly design solutions while educating the client and meeting their needs.

GRA2185C Design Production **Credit Hours: 3**

This course is an advanced level course that forms an integral part of the final skills needed to complete the Graphic Design Technology A.S. Degree requirements. It is intended to support the portfolio and internship courses by providing practice in advanced concept formulation and art direction strategies and practical experience in production of their portfolio at a service bureau.

GRA2190C Introduction to Graphic Design **Credit Hours: 3**

This course is an introduction to the theory, practice, materials, techniques, and production methods used in graphic arts, pointing out how various layout techniques lead to a printed piece. Intended for art majors who wish to pursue a BFA degree in graphic design or want to seek entry level employment.

GRA2191C Graphic Design II **Credit Hours: 3**

Communication and creativity theory for graphic designers, featuring preparation of art for reproduction using the computer as a graphic design problem-solving tool, combining text, image and digital design. Intended for art majors who wish to pursue a BFA degree in Graphic Design or want to seek entry-level employment.

GRA2380C User Experience & Interface Design **Credit Hours: 3**

This course provides students with a general overview of User Experience Design ("UX") and User Interface Design ("UI"), paying special attention to mobile usage contexts and building a career in the field. By identifying the users needs, and mapping out the most efficient pathways to their goals the designer will use color, typography, iconography, photography and spacial relationships to make a user interface that expedites the journey.

GRA2403 Principles of Project Management **Credit Hours: 3**
Students in this course will gain a comprehensive understanding of the skills required of project managers. This includes software presentation training, instruction in monitoring and controlling projects, procurement planning techniques, and an introduction to using project management software.

GRA2425C Portfolio & Business of Design **Credit Hours: 4**
Students will collect their work into a print and web portfolio that represents their mastery of the skills and standards of the graphic design program. This capstone class will include business practices, ethics, contracts and copyright issues. Issues of sustainability and environmental sensitivity will be stressed.

GRA2754C Web Design II **Credit Hours: 3**
Extends students' expertise in web design, this class will add advanced CSS, HTML5, Flash, search engine optimization, content management system and integration, as well as usability assessment and interface design. The student will also integrate social media, podcasting and blogging into web development.

GRA2810C SEO & Social Media Design **Credit Hours: 3**
Design, analyze and create marketing strategies for brands and their presence on the Internet. Students will use Google Analytics, and other SEO tools to increase the ranking of their client companies. Student will also strategize the use of Facebook, Twitter, Instagram, and any other social media platforms to present and interact with customers to improve the company's perceptions as valued brands.

GRA2940C Graphic Design Internship **Credit Hours: 3**
This course is a culmination of the Graphic Design two years A.S. Program. Students will learn the necessary business protocol and job interviewing skills that will place them in an internship situation. The intern will work in a studio setting, e.g., advertising agency, graphic design department of a large company, commercial printing business, etc. The experience will involve all duties usually associated with the current graphic design profession. Interns are expected to complete project assignments from start to finish with minimal guidance from the sponsoring entity/establishment.

HBR1120 Beginning Hebrew I **Credit Hours: 4**
Covers fundamentals of speaking & understanding reading & writing. Classroom practice & exercises supplemented by language and laboratory sessions are designed to develop confidence and a basic proficiency in Modern Hebrew.

HBR1121 Beginning Hebrew II **Credit Hours: 4**
Continuation of HBR1120. Further development of the basic language skills already mastered. Classroom discussions and practice are supplemented by exercises and multi-media activities designed to develop and enhance communication.

HBR2220 Intermediate Hebrew I **Credit Hours: 4**
HBR2220 advances the groundwork laid in HBR1120 and HBR1121. Classroom discussions and practice are supplemented by exercises and multi-media activities designed to develop and enhance communication and cultural awareness. Students will continue to develop their knowledge of Hebrew syntax, grammar, and morphology. This course is predominantly taught in Hebrew with activities triggered by exposure to ancient texts, sacred texts, and modern literature which are supplemented by audio-visual immersion in the language and culture. This course meets the foreign language competency, and it is an international/intercultural competency course.

HCP0001 Health Careers Core Curriculum **Clock Hours: 75.00**
The Health Careers Core Curriculum course presents basic knowledge & skills for students majoring in a health science degree program. The course introduces students to a health care delivery system, the health occupations, and teaches basic medical and employability skills.

HFT1050 Introduction to Tourism Industries Administration **Credit Hours: 3**
This course provides a survey of the history, organization, problems, opportunities and future trends in the areas which comprise the travel and tourism industries. Emphasis is placed on the economic benefits and social implications of tourism. This course is beneficial to the purchaser of tourism services as well as the marketer.

HFT1210 Supervisory Development **Credit Hours: 3**
This course provides training on the art of supervising employees and the development of sound relations with other departments. It covers methods of controlling costs, development of cost consciousness, cost improvements, techniques in the supervision of employees, and developing sound relations with other departments.

HFT1941 Operations & Service Practicum **Credit Hours: 3**
This course requires practical work experience or participation in formalized internship program in related disciplines in an approved segment of the hospitality/restaurant/travel industries and is coordinated with a weekly seminar. Faculty makes regular appraisals of the learning progress through on-site visitations and consultation with supervisors. Emphasis is placed on how the job relates to the satisfaction of customer needs. In addition, the essence of the service transaction offered by the organization is analyzed, including both the tangible and intangible components.

HFT2220 Organization & Personnel Management **Credit Hours: 3**
This course covers the organization, supervision and direction of operations in the hospitality/ restaurant/travel industries. It analyzes the internal organizational structure and its administrative roles and functions. The course considers techniques of employee training, promotions, job specifications, discipline and morale. The course borrows from the behavioral sciences by emphasizing the human dimensions of management.

HFT2250 Hotel Management **Credit Hours: 3**
This course provides a study of the growth and progress of the hotel industry and how hotels are developed, organized, financed and operated.

HFT2410 Front Office Systems & Procedures **Credit Hours: 3**
This course provides basic training in front office procedures, and focuses on the rooms division of a hotel: front office, housekeeping, guest service, engineering, and security/loss prevention.

HFT2460 Financial Management **Credit Hours: 3**
A study of accounting systems for the hospitality/restaurant/travel industries with emphasis on operating statistics and financial reports. The utilization of financial statements by management is studied.

HFT2500 Marketing **Credit Hours: 3**
This course emphasizes how to sell and promote the services the hospitality/restaurant/travel industries offer guests. It covers the development of business through personal selling, media advertising and publicity. In addition, the operations of a sales and convention department are studied.

HFT2511 Convention & Group Business Marketing Management **Credit Hours: 3**
This course covers the functions of the convention organizer and tour wholesaler in relation to the suppliers of travel and hospitality services. The responsibilities of each organization in the marketing of facilities and activities to organizers, retailers, and/or consumers are emphasized.

HFT2600 Hospitality Law **Credit Hours: 3**
This course provides a study of the nature and function of our legal system as applied to hospitality, restaurant and travel operations. Operator/guest relationships, contracts, torts, civil rights and insurable risks are emphasized.

HFT2721 Travel Agency Management & Operations **Credit Hours: 3**
This course provides familiarization with travel agency operations including the selling, transporting, storing, advertising, planning, and management of travel services. The course also provides hands-on training in computerized reservations (SABRE) and keyboarding, and incorporates key aspects of managing corporate travel.

HFT2730 Tour Packaging **Credit Hours: 3**
This course provides a study of how to create, develop and sell package tours. Methods of customizing tours through the proper matching of destinations with market segments are covered.

HFT2942 Management & Control Practicum **Credit Hours: 3**
This course requires practical work experience or participation in a formalized internship program in related disciplines in an approved segment of the hospitality/restaurant/travel industries and is coordinated with a weekly seminar. Faculty make regular appraisals of the learning progress through on-site visitations and consultations with supervisors. Emphasis is placed on human relations, motivational techniques and management styles relating to the control of employees, money, and material as they are used to satisfy customer needs.

HIM1000 Intro to Health Information Technology Management **Credit Hours: 3**
This 3Credit course is the initial and introductory course to the health information technology program. This course introduces the student to learning technologies, learning styles, and oral competencies to enhance their degree of success entering the program. The course continues by introducing the student to the program and the Health Information Management professional. The student will also learn about the protected health record, healthcare delivery systems, ethical standards related to coding and protected health records, functions within the traditional health information management department.

HIM1110 Health Data Concepts **Credit Hours: 3**
This course provides an introduction to the basic concepts and techniques for managing and maintaining health record systems. Topics include: record content, format and uses of healthcare data, record systems, storage and retrieval, quantitative analysis of health data, forms design and control, release of information, function of indexes and registers, accreditation, certification and licensure standards applicable to healthcare facilities. Through the Virtual Healthcare Systems Lab, students will be given access to work on a variety of healthcare electronic system enhancing their technology skills and knowledge such as: Athens/Cerner Electronic Health Records, QuadraMed MPI QuadraMed Smart ID, QuadraMed Encoder, and McKesson Horizons. Students will be given the opportunity to utilize and practice with current software packages common to the industry.

HIM1110L Health Data Concepts Laboratory **Credit Hours: 1**
This course provides an introduction to the basic concepts and techniques for managing and maintaining health record systems. Through the Virtual Healthcare Systems Lab, students will be given access to work on a variety of healthcare electronic system enhancing their technology skills and knowledge such as: Athens/Cerner Electronic Health Records, QuadraMed Smart ID, QuadraMed Encoder, and McKesson Horizons. Students will be given the opportunity to utilize and practice with current software packages common to the industry.

HIM1253 Coding I **Credit Hours: 3**
This coding course is designed to provide an introduction into basic ICD coding and coding guidelines. The course will focus on defining basic coding definitions, review of coding guidelines, introduction to billing methodology and application of codes to specific basic coding assignments using ICD.

HIM1253L Coding I Laboratory **Credit Hours: 1**
This Laboratory course provides HIM students an opportunity to apply basic concepts and techniques for ICD-9-CM coding using actual patient records and simulated patient records; both paper and electronic format from different treatment venues. Students will be guided through the practice coding by an experienced coding instructor with a detail analysis of correct coding technique. Students will be able to assess their own level of proficiency and access

assistance in areas of identified coding weaknesses. Students will be introduced to encoding systems: 3M and QuadraMed.

HIM1260 Reimbursement Methodology **Credit Hours: 2**
This course examines the complex financial systems within today's healthcare environment and provides an understanding of the basics of health insurance and public funded programs, managed care contracting and how services are paid. In addition to the step by step details about how each payment system functions, a brief historical review is also provided the student for a greater understanding of the impact has had on all stakeholders. This course will include a review of billing forms, different prospective payment systems and a discussion of claims management.

HIM1800 Professional Practice Experience: Basic **Credit Hours: 1**
This is an introductory level course giving the students their initial supervised Professional Practice experience in the health information management department. Emphasis is on record assembly, analysis, filing, admission and discharge procedures. Basic doing will be addressed. Upon completion, the student shall have an understanding of the daily functional operations of a health information management department. Each student will be responsible for completion of a Professional Practice I Workbook.

HIM2012 Health Records Law **Credit Hours: 3**
This course focuses on the impact of legal and ethical issues in health information management. Topics include an overview of: the branches of government; tort law; confidentiality and release of information; subpoenaed information; record retention and security; information consent; liability; patient rights; negligence and malpractice; and ethics. Upon completion, students should be able to comply with legal requirements and be aware of legislative and regulatory trends.

HIM2112C Electronic Medical Record & Technology **Credit Hours: 3**
This course will review the history of the electronic health record and current trends in healthcare information applications such as clinical information systems, administrative information systems, and management support systems. Students will explore the transition from a paper-based health record to an electronic health record and associated issues.

HIM2214L Health Statistics **Credit Hours: 1**
This hands-on Laboratory course covers the collection, compilation, analysis, verification and display of healthcare statistics. Topics include: the uses for statistics, basic statistical principles, commonly computed rates, vital health statistics, uniform reporting requirements, data display and the role of the HIM department.

HIM2232 Coding II **Credit Hours: 2**
This coding course is designed to build onto the HIM1253 Coding I course by enhancing the students quality of coding and understanding of sequencing for ICD-10-CM. The student will be introduced to basic CPT coding using both a manual system and automated encoder. Introduction to DRG logic, APC's, RBRVS, PPS as well as Coding Guidelines for Hospital-Based Outpatient Services, Emergency Rooms, and Physician Offices. Different levels of HCPCS as well as outpatient reimbursement issues will be covered.

HIM2232L Coding II Laboratory **Credit Hours: 1**
This Laboratory course provides HIM students an opportunity to apply basic concepts and techniques for ICD-9-CM and CPT coding using actual patient records and simulated patient records; both paper and electronic format from different treatment venues. Students will be guided through the practice ending by an experienced coding instructor with a detail analysis of correct coding technique. Students will be able to assess their own level of proficiency and access assistance in areas of identified coding weaknesses. Students will be introduced to encoding systems: 3M and QuadraMed.

HIM2433 Pathophysiology and Pharmacology **Credit Hours: 3**
This course provides an in-depth knowledge of disease, its etiology, medical complications, and pathophysiologic nature. Students will learn laboratory and other diagnostic tests used to confirm or rule out those diagnoses addressed. Current pharmacological treatments are explored with review and interpretation of health record data.

HIM2500 Performance Improvement **Credit Hours: 2**

This course is an introduction to the principles of performance improvement and quality management in health care. Topics include: clinical quality improvement; utilization management; risk management; medical staff credentialing and peer review; accreditation standards; laws and regulations; tools for data collection, analysis, and display; and the role of the HIM department. Upon completion, students should be able to apply performance improvement techniques; collect, analyze, and display data; and support a range of quality management activities.

HIM2512 Supervision & Organizational Life **Credit Hours: 2**

This course covers management and supervision principles as they are applied to healthcare settings. A study of the aspects and techniques of planning, organizing, motivating, and controlling is presented with emphasis on communication, collaboration, and decision making.

HIM2652 Health Information Systems **Credit Hours: 3**

This course is an introduction to information technology related to health care and the automated tools and techniques for collecting, storing, and retrieving data. Topics include: system analysis, design, and security; file structure, networking, telecommunications, document imaging, medical informatics, the electronic health record, and implementation issues. Activities include HIM computer applications. Upon completion, students should be able to assist in the design, implementation, evaluation, and maintenance of automated information systems in health care.

HIM2728 Coding III **Credit Hours: 2**

This coding course is designed to provide an introduction into basic ICD procedural coding and coding guidelines. The course will focus on defining basic coding definitions, and review of coding guidelines. This course is taught in conjunction with a Laboratory class to allow the student sufficient hands on inpatient procedural coding experience.

HIM2728L Coding III Laboratory **Credit Hours: 1**

This Laboratory course provides HIM students an opportunity to apply basic concepts and techniques for ICD-10-PCS coding using actual patient records and simulated patient both paper and electronic format from different treatment venues. Students will be guided through the practice coding by an experienced coding instructor with a detail analysis of correct coding technique. Students will be able to assess their own level of proficiency and access assistance in areas of identified coding weaknesses. Students will be introduced to encoding systems.

HIM2810 Professional Practice 2 **Credit Hours: 2**

This class is a continuation of the supervised professional practice experience in a health information management department. Emphasis is on health information systems, coding, and law and ethics. Upon completion, students should be able to apply health information theory to practice. Each student will be responsible for completion of a Professional Practice II Workbook.

HIM2930L Transition Seminar Laboratory **Credit Hours: 2**

This hands on Laboratory course will focus on assisting the student to begin integration into the health information management field by exploring career options, developing a professional development plan, creating a resume, exploring credentialing requirements, and preparing the student to leave the classroom and enter the workplace. Activities conducted in the classroom will assist the student to enter the workplace as a team player with a positive attitude and team communication skills. The course will introduce the student to the preparation needed to sit for the RHIT National Examination by AHIMA.

HIS2939 Special Topics in History **Credit Hours: 3**

The content of this course will vary, to be determined by the instructor of record. The course is intended to offer students the opportunity for in-depth study of specialized areas and topics in history.

HIS2955 History Study Abroad **Credit Hours: 3**

A combination of classroom preparation plus foreign travel. Variable content depending on countries visited. Historical background and travel preparation will be included.

HLP1081 Total Wellness **Credit Hours: 2**

Total Wellness emphasizes the importance of knowledge, attitudes, and practices relating to personal wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal wellness including physical, social emotional, intellectual, spiritual and environmental wellness. This course integrates personal wellness and fitness in both a classroom and exercise environment. Evolving current topics such as nutrition, disease prevention, stress reduction, exercise prescription, and environmental responsibility are integrated to enable the student to understand the lifelong effects of healthy lifestyle choices. This is an International/Intercultural competency course.

HLP1087 Wellness Workout **Credit Hours: 1**

This course is an advanced extension of the wellness track classes. It reviews exercise principles and offers an opportunity for pre-testing to aid in Personal Program Development and post-testing for improvement evaluation. An individualized approach is used in helping class members to develop and implement a personal wellness program.

HLP2949 CO OP Work Experience **Credit Hours: 3**

A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by students and employer. Students will be assigned specific course prefixes related to their academic major prior to registration.

HSA2810L Practicum in Health Facility Administration **Credit Hours: 6**

An exposure and involvement in the managerial activity of health care facilities for the purpose of developing recognized competencies through the application and demonstration of prescribed objectives.

HSC0003 Basic Healthcare Worker **Clock Hours: 90.00**

The course presents basic knowledge & skills for students completing a health science program. The course introduces students to a health care delivery system, the health occupations, and teaches basic medical and employability skills.

HSC0692 Prevention of Medical Errors **Clock Hours: 2.00**

A fully online self-study course designed to provide instruction on what is a medical errors, the causes of medical errors, identifying medical errors, errors related to medication administration, and how health care workers can prevent medical errors.

HSC0693 All Hazards Training-Awareness Level **Clock Hours: 4.00**

This is the first course in a series of 4 courses presenting information on Bioterrorism and All-hazards Preparedness and Response appropriate for a variety of healthcare professionals and health care workers. Course 1 includes 4 Modules, each approximately 1 hour in length. The total time for Course 1 is 4 hours. Each Module includes several Lessons, which are self-contained 'Learning Events' that can be measured.

HSC1000 Introduction to Health Science **Credit Hours: 3**

This course is designed to provide students who are interested in health careers with an opportunity to explore the basic concepts surrounding professions related to this field. Topics covered in this course include understanding various career pathways in the health field, appreciating cultural diversity, reviewing facilities related to the healthcare profession, understanding health insurance, valuing ethics in healthcare, and other relevant topics included in an overview of the health careers.

HSC1101C Introduction to Healthful Living **Credit Hours: 1**

This course provides a personalized introduction to wellness; wellness components of flexibility, muscular strength/endurance, cardiovascular wellness, body composition, nutrition, weight management, stress management, and how students can apply this information to ensure healthful living. Opportunities are provided to learn updated information on coronary heart disease, cancer, and HIV-AIDS to assess one's personal wellness status through health related fitness and nutrition assessments.

HSC1149 Pharmacology **Credit Hours: 2**

A course designed to introduce the Nursing student to the essential concepts and principles of pharmacology. Included are the concepts of pharmacokinetics and pharmacotherapeutics. There is an emphasis on the application of the nursing process as a practical organizational tool utilized in the care of the patient receiving pharmacological agents.

HSC1531 Medical Terminology **Credit Hours: 3**

HSC 1531 provides a broad survey of the language of medicine and health technologies. Emphasis is placed primarily on the building of medical terms from word parts. The course is intended to be the foundation of a working medical vocabulary for individuals preparing for careers in both the health professions and other areas in which this knowledge is essential.

HSC2100 Personal and Community Health **Credit Hours: 3**

This study of health problems relating to the individual community including mental health, physical fitness, nutrition, the use of tobacco, alcohol and drugs, marriage and family living, safety, and the study of diseases.

HSC2400 First Aid and Safety **Credit Hours: 3**

Accepted practices and training in first aid care of the injured and medical self-help for survival in emergencies. Course includes suggested procedures effective until adequate medical assistance can be obtained. Principles of safety problems and accident prevention are included.

HSC2577 Principles of Nutrition for Health,Fitness,& Sport **Credit Hours: 3**

The fundamentals of nutrition are explored, emphasizing the biochemical and sport physiological mechanisms of digestion, absorption, metabolic pathways, energy requirements, and nutritional status. It provides students with an understanding of nutrients and their roles in the body while examining current issues in food science. An emphasis is placed on promotion of growth and health by examining weight control, disease prevention, food safety, and planning a healthy diet.

HUM1020 Introduction to Humanities **Credit Hours: 3**

The Humanities 1020 course serves as an introduction to the nature and scope of the humanities. It addresses cultural and philosophical issues contained within the various humanities disciplines. Humanities 1020 is a writing credit course with the International/Intercultural content. Students must earn a minimum grade of a C to meet the requirements of the Gordon Rule for writing.

HUM2700 HUMANITIES TRAVEL STUDY **Credit Hours: 3**

Humanities Travel Study is a face-to-face introduction to the nature and scope of the Humanities in selected geographical areas. Students will become knowledgeable about the uniqueness, the historical development, and influences of the area's humanities content as expressed in its music, art, theater, religion, literature, philosophy, etc. HUM2700 combines classroom preparation and foreign travel. This is a repeatable course.

HUN1201 Human Nutrition **Credit Hours: 3**

Human Nutrition is the study of nutritional science, the nutrient interrelationships and the nutrition needs of persons at each stage of life cycle. Particular emphasis will be placed on diet therapy in the modification of disease process. This Course is open to allied health students or with permission of the instructor.

HUN3011 Principles of Nutrition, Diet, & Disease **Credit Hours: 3**

Study of all aspects of nutrition, from the foundation of nutrition principles to the application of evidenced based medical nutrition therapy. The nutrition needs of persons at each life stage will also be explored with particular emphasis on the role of the nurse in identifying nutrition issues related to multiple disease states in the care of the patient.

HUN3202 Principles of Nutrition, Diet, & Disease **Credit Hours: 3**

Courses in the Health Care Profession deal with the principles of dietetics and nutrition as it relates to diet and disease in clinical, community and institutional settings.

IDH2121 Honors Interdisciplinary Studies **Credit Hours: 3**

The Honors Interdisciplinary Studies Seminar is the capstone course in the Honors Program. It is open to Honors College students who have attended Broward College for at least one term and have met half of the requirements for graduation from the Honors College. The course will be organized and unified around a specific theme, event, time period, issue/controversy, or concept, which will then be explored through at least two distinct and discernible academic fields of study. These two or more academic fields of study will come from within or across one or more of

the following of Broward College's broad disciplinary units: Visual/ Performing Arts, Criminal Justice, Business, Social Sciences, Mathematics, Biological Sciences, Behavioral Sciences, Communication, Education, Natural Sciences, Computer Science, and English / Literature. Students will be exposed to a variety of texts and knowledge, which will be integrated and connected using various modes of academic inquiry. These academic and intellectual inquires will be applied to and serve as the basis for numerous types of assessments. A Research Project is required as is at least one Critical Writing Assignment; other types of assessment should be varied and reflect the interdisciplinary nature of the course.

IDS1030 Introduction to Team Self-Management with Education **Credit Hours: 2**
This course provides an introduction to Team Self-Management (TSM) theory and practice including its application in academic and work organizations. The course explores the connections among the student's purposes, intentions and behaviors; the course also develops the self-management skills required to attain personal, academic, and professional goals. The course will also provide students with an educational plan.

IDS1040 Team Self-management with Social Justice Topics **Credit Hours: 3**
Introduction to Team Self-Management (TSM) with Social Justice Topics explores the theory and practice of team self-management, including leading and working on a self-managing team, and developing project management skills. Additional topics include: gaining an in-depth understanding of a social justice issue through utilizing primary-based research, and scenario planning methodologies.

IDS1999C Research in Social Justice **Credit Hours: 3**
Develops professional skills that lead to professional career success. Skills include using scientific method-based approach for knowledge creation, facilitating team meetings, recording team discussions and decisions, and working within a self-managed team studying a social justice issue.

IDS2931 Interdisciplinary Leadership Studies **Credit Hours: 3**
This seminar focuses on the refinement of leadership skills, provides an enhanced leadership and group dynamics theory and will assist the student in developing a personal philosophy of leadership and awareness of the moral and ethical responsibilities of leadership. Topics include decision making, goal setting, building trust, empowering others, conflict resolution, managing change, team building, and servant leaders. Reading and films from classic works in literature, contemporary and multi-cultural writing, and experiential learning exercises with current leadership theories and practices. Includes a service learning component, a shadowing experience, and a journal that highlights the students' entire leadership experience, both in and out of class, consisting of written responses to each of the classic works and contemporary reading assignments, specific critical analyses of films and other assignments as given in the class.

INR2002 Introduction to International Relations **Credit Hours: 3**
A cross national analysis of the concepts of sovereignty, power, security, economic development and national interests in the formulation of foreign policy; the respective roles of the United Nations and the European Union within the context of the growth of Intergovernmental Organizations and Non-governmental actors such as legislatures and interest groups. Study of the utilization of those concepts on policy of both leading nations and the emerging states with emphasis on both conflictual issues related to both tangible and intangible causes as well as the cooperative aspects of a more globalized and interdependent economic system. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ISM2311C IT Project Management: Capstone **Credit Hours: 3**
This capstone course puts project management into an IT context, and thoroughly prepares students for the PMP or CAPM certification exam offered by the Project Management Institute (PMI).

ISM3013C Information Systems Management **Credit Hours: 3**
This course introduces fundamental concepts of information systems and will explore approaches to managing

technology. This course will equip students with an applied knowledge of management information systems for use in supporting business decisions.

ISM3057C Web Systems & Technologies **Credit Hours: 3**
This course covers the design, implementation and testing of web based applications including related software, databases, interfaces and digital media. It also covers social, ethical and security issues arising from the web and social software.

ISM3201C Database Management **Credit Hours: 3**
This course applies a relational model approach to logical and physical data structure and data concepts and modeling. Business application problem solving is also included.

ISM3314C Applied Project Management **Credit Hours: 3**
This course will enhance an understanding of Project Management through applied projects. Students will engage in project selection and initiation, work breakdown structure and scope management, scheduling, budgeting and cost analysis, quality control, project communication plans, project risk analysis, resource leveling and procurement issues. All activities will support the Project management Institute (PMI) global standards, and the Project Management Body of Knowledge (PMBOK) Standards.

ISM3320 Information Systems Control **Credit Hours: 3**
This course presents a balance of the management and the technical aspects of the discipline and addresses knowledge areas of the CompTIAS Security+ certification exam throughout. It provides a comprehensive overview of network security and covers communication security, network and applications security, infrastructure security, threats and vulnerabilities, World Wide Web security, cryptography, operational/organizational security, disaster recovery, business continuity, as well as computer forensics.

ISM3432 Applied Quality Assurance Methodology **Credit Hours: 3**
This course teaches the IT professional the fundamentals of quality assurance for system development and software creation. The learned out-comes will be an understanding of QA factors consisting of software, modeling, testing, training, standards and procedures as well as management's position on quality assurance.

ISM3545C Data Analytics Technologies **Credit Hours: 3**
This course is designed to introduce students to fundamental data concepts such as the difference between data and information, big data, and the process of manipulating and analyzing data through the use of statistics. It covers current topics relating to big data and explains how organizations use data to add value.

ISM4220C Networks and Data Communications **Credit Hours: 3**
This course will balance the most technical concepts with applied business practice. Students will learn thorough coverage of the basic features, operations, and limitations of different types of computer networks. Students will also explore the language of computer networks as well as the effects of data communications on business and society. Topics include wireless technologies, industry convergence, compression techniques, network security, LAN technologies, VoIP, error detection and correction, near field communications, firewalls, router security problems, the Internet of Things, cloud computing, zero-client workstations, and Internet domain names.

ISM4382 Global Information Systems **Credit Hours: 3**
This course addresses key management issues as they are applied to global information resources management. This course also addresses strategic global systems issues such as hardware, software, Enterprise Resource Planning (ERP), electronic business integration, security and infrastructure support for a variety of industries.

ISM4480C Secure Electronic Commerce **Credit Hours: 3**
This course is an in depth study of secure electronic commerce, cryptography, passwords, certification authorities, public key infrastructure, biometrics, digital signatures and PKI. Legal and national policy secure electronic commerce issues will be discussed.

ISM4547C Data Analytics Management **Credit Hours: 3**
This course provides students with an understanding of data extraction and interpretation and their roles in creating business value. Topics covered include data quality, data visualization and exploration, and data structures and

information policies. The course covers a variety of tools used for data analysis and gives the student an understanding of how to obtain, manipulate, and interpret data using current software and techniques.

ISM4881C Technology Management Capstone Project **Credit Hours: 3**
This course will give the TM student the ability to utilize what he/she has learned from the TM Program and adapt it to a work environment. This will be accomplished by providing the student a senior project that includes first: project proposal, feasibility studies, identification of intellectual property, and a teamwork environment for project support which includes: budgets, schedule management, communications through reports and presentations project testing, implementation and final approval.

ISM4930C Agile Project Management **Credit Hours: 3**
This course will cover the knowledge of agile principles and improve skills with agile techniques. Students will explore many approaches to agile such as Scrum, Kanban, Lean, extreme programming (XP) and test-driven development (TDD.) A focus will be given to Project Management Institutes (PMI) content domains for certification for agile practitioners, known as the PMI Agile Certified Practitioner (PMI-ACP).

ITA1120 Elementary Italian I **Credit Hours: 4**
Fundamentals of speaking, listening-comprehension, reading, writing, and Italian culture. Classroom practice and exercises are supplemented by laboratory and workbook exercises done on-line weekly. Students expected to continue further implementation and expansion of their proficiencies in ITA1121.

ITA1121 Beginning Italian II **Credit Hours: 4**
Continuation of ITA1120. Further development of the basic skills in speaking, listening-comprehension, reading, writing, selected readings, and appreciation of culture. Classroom practice and exercises supplemented by laboratory and multi-media activities done on-line weekly.

ITA2220 Intermediate Italian Reading & Conversation I **Credit Hours: 4**
This course is a continuation of ITA1121. Italian culture is learned through a review of reading and writing skills with emphasis on oral and written presentations. Classroom practice and exercises are supplemented by laboratory and multimedia activities designed to develop and enhance communicative competence and cultural sensitivity. This course includes compositions and readings in Italian prose, poetry, and current events. Special fees charged. This course meets the foreign language requirement and it is an International/Intercultural competency course.

JOU1100 Basic Reporting **Credit Hours: 3**
Pre-professional course providing fundamental instruction and practice in writing as a basis for all upper division courses in journalism. Includes writing in the news style, leads, defining news, types of stories, organization of stories, policy and libel.

JOU1400L Newspaper Practicum I **Credit Hours: 1**
Practical application of news writing and editing principles through work with college media.

JOU1401L Newspaper Practicum II **Credit Hours: 2**
Continuation of JOU1400L. Students may take JOU1400L and JOU1401L during the same term.

JOU1402L Newspaper Practicum III **Credit Hours: 2**
Continuation of JOU1401L. Practical application of newspaper principles: copy editing, page layout, headline writing, rewriting, copy preparation through work with the college newspaper. Instructor's approval required,

JOU2200 Newspaper Editing and Makeup **Credit Hours: 3**
Course provides instruction and practical experience in copy editing, rewriting, headline writing, page design for both makeup copy and advertising, picture cropping and scaling, cutlines, and an introduction to desktop publishing.

JOU2949 Co Op Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer. Students will be assigned specific course prefixes related to their academic major prior to registration.

JST1500 Survey of Jewish Culture **Credit Hours: 3**
Survey of Jewish Culture (JST1500) is an examination of Jewish thought, Diaspora history, traditions and rituals, challenges to Jewish families and communities, and Jewish responses to the modern world.

JST1700 The Holocaust **Credit Hours: 3**
Evaluation used, but not limited to, short-essay, group projects, discussions, multiple-choice tests, quizzes, take-home exams, summaries, critiques, reaction papers, surveys, short-answer exams, classroom debates, presentations, and blogs.

JST2400 Survey of Jewish Civilization **Credit Hours: 3**
A survey of the history of Jewish civilization beginning with the origins of the Hebrews, through early Christianity and the Renaissance, to the State of Israel.

JST2815 History of Modern Israel **Credit Hours: 3**
This course will begin with the period of the Enlightenment for the Jewish people and will follow the historical development which led to the development of the State of Israel.

LAH1004 The History of the Two Americas II **Credit Hours: 3**
(Spring 2017 - Latin American History Since 1830)
This course is a study of Latin America from the development and evolution of Amerindian society including the Mesoamerican, Andean and Brazilian worlds, through the conquest and colonization of the region by Europe, ending with the rise of independence by the middle of the 19th century.

LAH1005 The History of the Two Americas II **Credit Hours: 3**
This course is a survey of significant social, political, and economic developments of modern Latin America after independence, from the consolidation of the national states to the present.

LEI1000 Introduction to Recreation **Credit Hours: 3**
This course acquaints the individual with the recreation organization and opportunities for leaders in the field.

LEI1260 Introduction to Fitness & Outdoor Recreation **Credit Hours: 3**
This course will introduce students to the career opportunities available in the field of outdoor recreation/adventure education.

LEI1700 Recreation for Special Groups **Credit Hours: 3**
An overview of the characteristics and needs of members of special groups and how to plan and implement recreational activities appropriate for each group.

LEI2401 Sports, Fitness & Recreation Management **Credit Hours: 3**
A course primarily designed for the student to learn about the different aspects of managing recreational programs and events. The student will be exposed to the many and varied needs of developing a quality program or event.

LEI2731C Sports, Fitness & Recreation Therapy **Credit Hours: 2**
An overview of various therapies that can be useful in a recreational setting.

LEI2861 Sports, Fitness, Recreation/Technology & Equipment **Credit Hours: 3**
The rapid growth of technology and sophistication of equipment, necessitate the recreation specialist to keep abreast of developments in the market place. This course is designed to expose students to hardware, software, and equipment that are commonly used in centers across the nation to attract participants in recreational activities. Opportunities are provided for a hands-on learning experience in this technology and equipment.

LIT1172 Jewish Literature II: Holocaust to Present **Credit Hours: 3**
A study of selected works from the Holocaust to the present. Analyzes the major characteristics of worldwide modern Jewish and Israeli literature. Includes such authors as Weisel, Malamud, Bellow, P. Roth, Ozick, Singer, Oz, Yehoshua

and Appelfeld. May be used for study abroad.

LIT1370 The Bible as Literature **Credit Hours: 3**
Students will examine the language, images, symbols, and literary structures of the Bible (New King James version or equivalent). Students will also actively explore the ways in which the Bible has shaped the literature of English-speaking cultures. Students will read substantial portions of the Old and New Testament and will critically interpret the book as they would any other literary text. The will also discuss the Bible's historical context.

LIT2000 Introduction to Literature **Credit Hours: 3**
This introductory course exposes students to the study of literature and a range of widely recognized authors and works. Students will examine and interpret a diverse and representative body of works from genres such as short stories, poetry, creative non-fiction, plays and novels. These selections may include works from many periods and cultures within American, British, and World Literature. Upon successful completion of this course, students will be able to demonstrate an understanding of fundamental concepts and ideas in each of the major literary forms. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

LIT2020 Introduction to the Short Story **Credit Hours: 3**
A survey of the development of the short story, to include analysis of short stories by authors that reflect a diversity of cultural perspectives. This course may include a wide variety of authors such as Alexie, Atwood, Baldwin, Bechdel, Borges, Calvino, Camus, Carver, Cather, Chekhov, Chopin, Crane, De Maupassant, Erdrich, Faulkner, Fuentes, Hawthorne, Hemingway, Hurston, Kafka, Marquez, O'Connor, Oates, Poe, Silko, Walker, among others. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

LIT2030 Introduction to Poetry **Credit Hours: 3**
Students will be introduced to a representative selection of poetry from various cultures and time periods. Texts may be selected from major figures within movements during specific periods, such as Romanticism, Modernism or New Formalism, the Black Arts Movement, the New York School or the San Francisco Renaissance, Confessional Poetry, Performance Poetry or Concrete Poetry, the Beats, Slam Poets, Language Poets or any other emerging forms, writers or groups within the art. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

LIT2110 World Literature from Ancient World through Renaissance **Credit Hours: 3**
A survey of literature from the ancient, medieval, and early modern world. The works of selected authors may include Homer, Sappho, Plato, Sophocles, Ovid, Confucius, Lao Tzu, Dante, Chaucer, Boccaccio, Cervantes, and Shakespeare. Texts may also include excerpts from the Old and New Testaments, the Koran, Bhagavad-Gita, the Rubayait of Omar Khayyam, and The Arabian Nights. Upon successful completion of the course, students will comprehend the significant literary figures, mythologies, and historical and philosophical movements in world literature masterpieces. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

LIT2120 World Literature from Enlightenment to Modern **Credit Hours: 3**
Students will be introduced to a representative selection of world literature from the seventeenth century to the present. Texts may be selected from major literary figures such as Moliere, Voltaire, Rousseau, Franklin, Equiano, Wollstonecraft, deGournay, Tolstoy, Gandhi, Camus, Lessing, Eliot, Achebe, Neruda, and Garcia-Marquez, Erdrich, Kincaid, and Lahari. Upon successful completion of the course, students will be exposed to significant authors, themes, literary genres, and historical and philosophical movements in world literature masterpieces. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

LIT2190 Caribbean Literature **Credit Hours: 3**
Students will be introduced to works that represent diverse Caribbean literature covering original and translated texts from Anglophone, Francophone, and Spanish-speaking Caribbean. Upon successful completion of the course, students will understand significant concepts and assess a diverse body of literary figures including authors, poets, and critics associated with the Caribbean. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

LIT2310 Literature of the Supernatural & Science Fiction **Credit Hours: 3**

LIT2310 is a writing course and a survey course of science fiction, high fantasy, and dark fantasy/horror literature. This is also an International/Intercultural course. Students will examine works that cover such topics as the future, technology, science, other worlds, paranormal life forms and occurrences, aberrant psychology and imaginary societies. This course may include readings from a wide variety of authors such as Isaac Asimov, Ray Bradbury, Michael Crichton, Mary Shelley, Edgar Allan Poe, Stephen King, J.R.R. Tolkien, C.S. Lewis, R.K. Rowling, Clive Barker, and Lord Dunsany. This is a writing course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

LIT2330 Introduction to Children's Literature **Credit Hours: 3**

A broad survey of and critical introduction to children's literature, from picture books to young adult novels. This literature may be in the form of realistic fiction, traditional and modern fantasy, mythology and fairy tales, poetry, and/or nonfiction. Topics covered may include genre, literary value, ethnicity, family dynamics, book awards, pedagogy, and censorship. Students will analyze texts from an array of authors across the world, including, but not limited to: A.A. Milne, Dr. Seuss, Roald Dahl, Sara Pennypacker, C.S. Lewis, J.R.R. Tolkien, Maurice Sendak, Shel Silverstein, Norton Juster, Frances Hodgson Burnett, Judy Blume, Laurie Halse Anderson, Richard Peck, JK Rowling, Walter Dean Meyers, Matt de la Peña, Margarita Engle, Meg Medina, Nikki Grimes, Naomi Shihab Nye, and Andrea Davis Pinkney.

LIT2341 Mystery Fiction **Credit Hours: 3**

A discussion and analysis of mystery fiction by investigation of the plot, characters, settings, themes, styles, motifs, and development of some of the most representative authors of detective, police, procedural, spy, and other mystery thriller fiction. Specifically traces the history and conventions of British and American traditions, placing them in context with the past and present of the genre. Includes an analysis of "classic" mystery fiction, and possibly further analysis of contemporary authors and styles that reflect the diversity and complexity of the genre today, as well as television and film. Includes authors such as Poe, Christie, Doyle, Collins, Hammett, Mosley, Leonard, Highsmith, and Flynn.

LIT2510 Male Female Images in Literature **Credit Hours: 3**

An exploration of the ways literature represents and perpetuates sex roles and stereotypes. Readings include drama, short stories, novels, and poetry from classical to contemporary.

LIT2935 Seminar in Literature **Credit Hours: 3**

Literary topics of special interest to students. Course offerings may be in such areas as western literature, the study of the greater novels, or ethnic literature. Class discussions may also include films.

MAC1105 College Algebra **Credit Hours: 3**

A college algebra course containing topics such as solving, graphing and applying linear and quadratic equations and inequalities; exponential and logarithmic properties; linear, quadratic, rational, absolute value, square root, cubic, and reciprocal functions operations, compositions, and inverses of functions; and systems of equations and inequalities, all with applications throughout the course. Recommendation from the Mathematics Department or at least a grade of a "C" in the prerequisite coursework is required.

MAC1114 Trigonometry **Credit Hours: 3**

This course, in conjunction with MAC1140, is designed to prepare the student for the study of calculus. Topics include a functional approach to trigonometry, trigonometric equations, trigonometric identities, solving triangles, vectors, polar coordinates and equations, and parametric equations. A graphing calculator may be required. Recommendation from the Mathematics Department or at least a grade of a "C" in the prerequisite coursework is required.

MAC1140 Pre-Calculus Algebra **Credit Hours: 3**

This course, in conjunction with MAC1114, is designed to prepare the student for the study of calculus. Topics include sequences, series, mathematical induction, matrices, determinants, and systems of equations. Also included are polynomial, rational, exponential, and logarithmic functions and equations; and polynomial and rational inequalities. Functions and graphs are emphasized. A graphing calculator may be required. Recommendation from the Mathematics

Department or at least a grade of a "C" in the prerequisite coursework is required.

MAC1147 Pre-calculus Algebra & Trigonometry **Credit Hours: 5**
This course is designed to satisfy the dual requirements of MAC1114 and MAC1140, thus preparing the student for the study of calculus. In this course the student will study various function families (e.g. polynomial, exponential, logarithmic, trigonometric) from both analytic and graphical viewpoints, and will use them to model real-life situations. The student will be exposed to additional topics that will deepen their mathematical understanding, including systems, matrices and determinates, sequences and series, parametric equations, and polar coordinates and equations. A graphing calculator may be required. Recommendation from the Mathematics Department or at least a grade of a "B" in the prerequisite coursework required.

MAC2233 Calculus for Business, Social & Life Sciences **Credit Hours: 3**
This is a general education course which includes the college-level skills of calculus such as: functions, graphs, limits, differentiation, integration, average and instantaneous rates of change, and other applications. Recommendation from the Mathematics Department or at least a grade of a "C" in the prerequisite coursework required.

MAC2311 Calculus & Analytical Geometry I **Credit Hours: 5**
This is the first of a three-course sequence in calculus. Students may need to a graphing calculator throughout the sequence of courses. Topics include: analytic geometry, functions, limits, continuity, derivatives and their applications, transcendental functions, anti-derivatives, and definite integrals. Certain sections of this course may require the use of a graphing calculator. Recommendation from the Mathematics Department or at least a grade of a "C" in the prerequisite coursework required.

MAC2312 Calculus & Analytical Geometry II **Credit Hours: 5**
This is the second of a three-course sequence in calculus. Topics include techniques of integration, conics, polar coordinates, indeterminate forms, L'Hopital's Rule, proper integrals, infinite series, parametric equations, improper integrals, volume, arc length, surface area, work, and other applications of integration. A graphing calculator may be required in certain sections of this course. Recommendation from the Mathematics Department or at least a grade of a "C" in the prerequisite coursework required.

MAC2313 Calculus & Analytical Geometry III **Credit Hours: 5**
This is the third of a three-course sequence in calculus. Topics include vectors in 3 space, 3 dimensional surfaces, multivariate functions, cylindrical and spherical coordinates, multiple integrals, partial derivatives, vector fields, a graphing calculator may be required in certain sections of this course. Recommendation from the Mathematics Department or at least a grade of a "C" in the prerequisite coursework required.

MAD2104 Discrete Mathematics **Credit Hours: 3**
This course will emphasize mathematical theory, formal methods of proof, and applied problem-solving techniques. Topics include formal proof, sets, logic, functions, probability, relations, graphs, trees, and Boolean algebra.

MAE3143 Interactive Middle School Mathematics Projects **Credit Hours: 3**
This course is designed for students who are majoring in middle and secondary mathematics education and who will be obtaining teaching certification in grades 5-9 and 6-12. In this course students learn principles of effective curriculum design and assessment and apply these principles by designing and developing interactive mathematics curriculum projects for middle school students. This course is requires structured clinical placement in which students present their projects in a middle school classroom environment. This course addresses specific Sunshine State Standards, subject matter competencies, and pedagogy pertinent to the discipline and required certification. (20 school-based hours)

MAE3941 Teaching Middle & Secondary School Mathematics **Credit Hours: 3**
This course is designed to provide the student with the opportunity to apply learned concepts by observing and teaching small groups and whole class lessons in the mathematics classroom. Extensive Writing Component in the form of a journal is required. Forty hours (40) of structured school-based hours is required.

MAE4310 Methods of Teaching Math in Elementary School **Credit Hours: 3**
This course introduces conceptually and develop-mentally appropriate mathematics content based on the five content areas identified by the Florida Sunshine State Standards. These are Numeration & Number Sense, Geometry, Measurement, Algebraic Thinking, and Data Analysis & Probability. Within these content areas, pre-professional educators will learn techniques consistent with the national process standards and research-based procedural strategies. This course addresses specific Sunshine State Standards, subject matter competencies, and pedagogy pertinent to the discipline and required for teacher certification. Fifteen hours of field placement are required.

MAE4320 Methods of Teaching Mathematics in Middle School **Credit Hours: 3**
This course is designed to introduce methods and strategies that have been proven to be effective for teaching middle school mathematics. Topics in appropriate instructional techniques and selection of appropriate resources for diverse classroom activities. Additional topics include real world applications, the use of technology, understanding the diverse learner, multiple means of assessment and learning styles. In this course, the pre-professional educator learns principles of effective curriculum design and assessment and applies these principles by designing and developing interactive mathematics curriculum projects for middle school students. This course addresses specific Sunshine State Standards subject matter competencies.

MAE4330 Methods of Teaching Math in Secondary School **Credit Hours: 3**
This course is designed to introduce methods and strategies that have been proven to be effective for teaching secondary school mathematics. Topics in appropriate instructional techniques and selection of appropriate resources for diverse classroom activities, real world applications, the use of technology, understanding the diverse learner, multiple means of assessment and learning styles. The pre-professional educator learns principles of effective curriculum design and assessment and applies these principles by designing and developing interactive mathematics curriculum projects for high school students. This course addresses specific Sunshine Standards subject matter competencies and pedagogy pertinent to the discipline. Contact instructor for details regarding 20 hours of field.

MAE4944 Student Teaching in Mathematics **Credit Hours: 11**
MAE4945 Student Teaching in Mathematics **Credit Hours: 12**
(Credit hours of the internship are dependent on the student's effective term.)
This course is designed to "provide students with multiple opportunities to practice implementing the 12 Florida Educators Accomplished Practices including effective planning, instruction, management and assessment techniques in a real-world middle and high school classroom setting under the supervision of a certified teacher."

MAN2021 Introduction to Management **Credit Hours: 3**
This course covers fundamental management principles and concepts. Emphasis is placed on the management functions of planning, organizing, staffing, directing and controlling. Principles of scientific management, motivation, and economic analysis are studied relative to their use in business decisions.

MAN2300 Introduction to Human Resource Management **Credit Hours: 3** The course is an overview of the field of Human Resources Management. The role of Human Resources in achieving the strategic objectives of an organization will be discussed through the exploration of basic HR functions such as recruiting, developing, and compensating employees.

MAN2542 Supply Chain Modeling **Credit Hours: 3**
This course will enable students to create quantitative models in Microsoft Excel, as supporting tools in decision-making. The course will follow the case study method, exposing students to business situations typically encountered by Supply Chain Management professionals. Students will learn how to select the applicable tool to address the situation described in every case, create the corresponding quantitative model, write objective recommendations derived from the analysis, and present these in a simulated boardroom meeting environment. The course will cover Decision Analysis, Linear Regression Modeling, Forecasting Methods, Optimization Modeling, and Monte Carlo Simulation.

MAN2604 International Business Environment **Credit Hours: 3**
A basic course in international business theory and practice focusing on the challenges of managing the operations of an international business in diverse legal, political, economic, and cultural environments. Emphasis is placed on strategic

planning and decision-making for the international operations of domestic, foreign and multinational corporations.

MAN3240 Organizational Behavior & Leadership **Credit Hours: 3**
This course teaches students individual and group behavior in organizations. Students develop an understanding of how organizations can be managed more effectively. Course content includes motivation, group dynamics, conflict resolution, goal setting and rewards, job design, work stress, power/politics, and organizational change and development.

MAN3303 Management & Leadership **Credit Hours: 3** This course teaches students the basic concepts, principles, and techniques of business leadership. Emphasis is on developing a solid leadership foundation while centering in the real themes, demands, and opportunities of an evolving and dynamic business workplace. The course incorporates basic leadership skill development as it relates to the core aspects of management practice.

MAN3310 Human Resource Management **Credit Hours: 3**
This course introduces the full range of human resource management functional areas, including recruiting and hiring staff, performance evaluations, employment regulations, discipline and termination, downsizing, compensation and benefits, job analysis, the organized labor setting, equity/diversity issues, and policy design. The approach will focus on current issues and applications.

MAN3930 Seminar in Business & Management **Credit Hours: 1**
This course focuses on current and emerging issues in business management. Its format and topic will vary but it will be a seminar which will address a specific business and management topic such as financial markets, international trade, human resources, cultural issues or economic subjects. The requirements of each student will vary with the topics in question. This course may not be repeated, and will only be offered in the Fall Semester.

MAN3931 Seminar in Business & Management II **Credit Hours: 1**
This course focuses on current and emerging issues in business management. Its format and topic will vary but it will be a seminar which will address a specific business and management topic such as financial markets, international trade, human resources, cultural issues or economic subjects. The requirements of each student will vary with the topics in question. This course may not be repeated, and will only be offered in the Winter Semester.

MAN3932 Seminar in Business & Management III **Credit Hours: 1**
This course focuses on current and emerging issues in business management. Its format and topic will vary but it will be a seminar which will address a specific business and management topic such as financial markets, international trade, human resources, cultural issues or economic subjects. The requirements of each student will vary with the topics in question. This course may not be repeated, and will only be offered in the Summer Semester.

MAN4102 Managing Cultural Diversity **Credit Hours: 3**
This course represents the basic concepts, principles, and techniques associated with leading cultural diversity in the global marketplace. Emphasis will be on the students developing an understanding of the interplay between leadership, cultural diversity, and the global business models. Students will also gain an under-standing of how these concepts relate to and are applied in the regional markets like Asia, Latin America, Europe, Africa and the Middle East.

MAN4120 Leadership Challenges & Supervision **Credit Hours: 3**
This course teaches the application of leadership theories, which include skill formation to develop leadership abilities. Team building skills are emphasized and discussed to enhance leadership effectiveness. Students learn the importance of visioning in their organizations.

MAN4320 Training & Development **Credit Hours: 3**
This course emphasizes developing, implementing, and evaluating activities and programs that address employee training and development, performance appraisal, and talent and performance of management to ensure that the knowledge and skills, abilities, and performance of the workforce meet current and future organizational and individual needs.

MAN4330 Compensation & Benefits **Credit Hours: 3**
This course emphasizes developing, implementing/administering, and evaluating compensation and benefit programs for all employee groups in order to support the organizations goals, objectives and values.

MAN4504 Operations Management **Credit Hours: 3**
This course teaches the operational decision-making management techniques to improve the processes and productivity in organizations. Topics discussed are quality and outcomes; efficiency; forecasting; work flow processes; inventory control; design of goods and services; waiting lines; and critical path. Managing a project from beginning to end, including how to identify needs, and define, assign, and track items, is addressed.

MAN4570 Procurement Management **Credit Hours: 3**
This course is an introduction to the concepts, principles, and techniques of purchasing physical resources. Students will develop a basic knowledge of sound procurement practices within a managerial setting for all types of organizations.

MAN4720 Strategic Management & Policy **Credit Hours: 3**
This course emphasizes strategic planning and strategy implementation in an organization. Students learn how to perform internal and external audits, identify problems, and formulate goals and objectives. Students will develop action plans, and evaluate the effectiveness of the outcome of the plan. Case studies are used to promote decision-making abilities.

MAN4900 Capstone Project **Credit Hours: 3**
This capstone course will provide the opportunity for the student to demonstrate that he/she has learned the material from the program and can apply it in the real world. It should be taken during the student's last semester at the college. It provides to the student with the opportunity to develop a plan to solve a problem dealing with management and organizational leadership issues of today. The student will choose one major plan to address the problem in detail.

MAN4937 Applied Concepts in Human Resource Management **Credit Hours: 3**
This course focuses on the student reviewing and applying concepts in several functional areas of Human Resources.

MAN4940 Internship **Credit Hours: 3**
This course provides a practical application of concepts examined during the BAS program.

MAP2302 Differential Equations **Credit Hours: 3**
Topics include the classification, solution and application of differential equations, including numerical methods, Laplace transforms, and series solutions.

MAR1011 Principles of Marketing **Credit Hours: 3**
An introductory course covering the marketing management process. Special topics include the marketing manager's role in a market-directed economy, marketing objectives, strategic planning, and developing marketing mixes for target markets. Material is presented as it relates to the four "P's" of marketing: product, place, promotion, and price. As a learning activity, students analyze and prepare case studies of businesses engaged in manufacturing, wholesaling, retailing and service.

MAR2141 International Marketing **Credit Hours: 3**
This course examines basic marketing principles related to business in an international setting. Emphasis is placed on the role of the international marketing manager in the development of marketing strategies for a variety of markets in diverse cultural and economic situations. Topics covered include the decision-making process in the area of foreign market analysis, target market identification, product planning, promotion, and channels of distribution.

MAR2644C Data Based Marketing **Credit Hours: 3**
This course provides a foundation for students to understand the core principles and tools of digital analytics and methods to improve business performance through digital measurement of sales, marketing, or other business data.

MAR3231 Retail Management **Credit Hours: 3**

In this course we explore the management functions unique to retail store operations. This course will familiarize students with decisions involved in running a retail firm and the concepts and principles for making those decisions. Emphasis is placed on principles of the retail environment, operations and administration.

MAR3323 Integrated Marketing Communication **Credit Hours: 3**
Introduces the student to the field of integrated marketing communications (IMC) and its role in the marketing mix. Emphasis is placed on understanding the role for advertising, sales promotion, public relations, direct marketing, social media, and personal selling tools in the IMC program of an organization to achieve effective marketing campaigns based on clear objectives, market segmentation and target marketing, within established time and cost parameters.

MAR3524 Marketing Analytics **Credit Hours: 3**
In this course, we explore how data can be used for understanding and analyzing consumer demand. This type of data-informed decision making is the key to data-informed decision making is the key to maintain competitiveness in today's market place. Firms collect information about consumers when they shop. Consumers also automatically leave footprints when they interact with others on the internet. All these data sources, both internal and external to the firm, are used to understand consumer demand in modern marketing research.

MAR3802 Marketing Management **Credit Hours: 3**
This course helps develop the marketing knowledge and skills necessary for the successful manager to address the intermediate marketing issues surrounding the complex demand management problem all organizations face. Students will understand the marketing concepts, including the development of a marketing plan including objectives, strategies and tactics.

MAR4840 Services Marketing **Credit Hours: 3**
This course is a study of marketing decision making in services sectors. Primary focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. This course will build upon basic marketing principles to provide learners with the skills necessary to market and manage services in an increasingly competitive global marketplace. Students will apply course concepts to solve problems in actual business cases involving firms in North America, Europe, and Asia.

MAS2103 Linear Algebra **Credit Hours: 3**
A first course in linear algebra, emphasizing the algebra of matrices and vector spaces. Recommended for students majoring in mathematics or related areas.

MAS4300 Abstract Algebra with Introductory Number Theory **Credit Hours: 3**
A course for math and math education majors. Abstract algebra is designed for the student experienced with using mathematical calculations to solve problems, and who now wishes to analyze the underlying justifications for these calculations' legitimacy. In MAS4300 the student will discover properties shared by seemingly disparate mathematical structures called groups, rings, and fields, by abstracting their common underlying features and creating proofs bases upon these commonalities. Number theory topics that are foundational to this course will be studied as well.

MAT0018C Developmental Mathematics I **Credit Hours: 4**
This is a course designed to improve students' abilities with arithmetic, basic algebra, and problem solving. Topics studied include number families, arithmetic, order of operations, geometric formulas, unit analysis, linear equations in one variable, and data analysis. Problem solving is an integral part of this course. This course teaches the student to understand and communicate concepts of arithmetic and algebra, both orally and written, and helps prepare the student for college-level mathematics and math-based courses. A computerized laboratory component will supplement classroom instruction. Students will have individualized learning plans that depend on the results of a diagnostic test. Due to the nature of this course, calculators are not permitted.

MAT0022C Developmental Mathematics Combined **Credit Hours: 5**
A course designed to satisfy the requirements of both MAT0018C and MAT0028C in one semester. Topics to be studied include arithmetic with whole numbers, integers and rational numbers, linear equations and inequalities in one variable, factoring, and basic linear graphing. Problem solving involving real-life scenarios is an integral part of this course. This course will teach the student to understand and communicate concepts of algebra in the language of mathematics, both orally and written. This course helps prepare the student for college-level mathematics and math-

based courses. It is nontransferable. Due to the nature of this course, calculators are not permitted.

MAT0028C Developmental Mathematics II **Credit Hours: 4**
This is a course designed to broaden the students' arithmetic and equation-solving skills to include solving linear inequalities in one variable, polynomial factoring, solving quadratic equations, laws of exponents, rational and radical expressions, and graphing lines. Problem solving involving real-life scenarios is an integral part of this course. This course will teach the student to understand and communicate concepts of algebra in the language of mathematics, both orally and written. This course enhances the student's problem-solving skills, and helps prepare the student for college-level mathematics and mathematics-based courses. A computerized laboratory component will supplement classroom instruction. Students will have individualized learning plans that depend on the results of a diagnostic test. Due to the nature of this course, calculators are not permitted.

MAT0055 Developmental Mathematics Module **Credit Hours: 1**
A course designed to satisfy the requirements of upper level developmental math in modular format. This course is for students who score between 109 and 112 on the PERT placement score. Students will then be given the PERT Diagnostic to identify skills in the developmental math sequence that have not yet been mastered. An individual learning plan will be established and students will be assigned to the module(s) containing those competencies not yet mastered. Topics for study determined by student's P.E.R.T. Diagnostic test results. This course will teach students to understand and communicate concepts of algebra in the language of mathematics, both orally and written. It is non-transferable. Due to the nature of this course, calculators are not permitted.

MAT0056 Developmental Mathematics Module **Credit Hours: 2**
A course designed to satisfy the requirements of upper level developmental math in modular format. This course is for students who score between 109 and 112 on the PERT placement score. Students will then be given the PERT Diagnostic to identify skills in the developmental math sequence that have not yet been mastered. An individual learning plan will be established and students will be assigned to the module(s) containing those competencies not yet mastered. Topics for study determined by student's P.E.R.T. Diagnostic test results. This course will teach students to understand and communicate concepts of algebra in the language of mathematics, both orally and written. Due to the nature of this course, calculators are not permitted.

MAT0057 Developmental Mathematics: A Modular Approach **Credit Hours: 4**
This course is designed to satisfy the requirements of both MAT0018C and MAT0028C in one semester. The course is delivered in a guided, self-paced format.

MAT1033 Intermediate Algebra **Credit Hours: 3**
This is a course designed for students with strong arithmetic skills (without requiring a calculator) and an algebra background. This course will extend students' algebra skills to include solving systems of linear equations in two variables, factoring polynomials, performing operations on rational expressions, solving rational equations, solving quadratic equations with complex solutions and recognizing relationships between radical expressions and rational exponents. Problem solving involving real-life scenarios is an integral part of this course. In this course, students will enhance their problem-solving abilities and their ability to communicate concepts of algebra in the language of mathematics, both orally and in writing.

MCB2010 Microbiology **Credit Hours: 3**
An introduction to microbiology emphasizing principles of basic morphology, physiology modes of trans-mission, biochemistry and genetic mechanisms. It will include a survey of representative types of micro-organisms and the role of pathogenic organisms in causing diseases and infections.

MCB2010L Microbiology Laboratory **Credit Hours: 1**
This Laboratory course will complement Lecture topics and include the application of fundamental techniques in the isolation cultivation, and identification of micro-organisms.

MCB3020 General Microbiology **Credit Hours: 3**
Structure, nutrition and growth of microorganisms; characteristics of representative microorganisms and viruses; metabolic properties and introduction to microbial genetics, pathogenicity, ecology and industrial applications of

microorganisms.

MCB3020L General Microbiology Laboratory **Credit Hours: 1**
This laboratory course will complement lecture topics and include the application of fundamental techniques used in the isolation, cultivation and identification of microorganisms and viruses.

MEA0334L Administrative Office Procedures Lab **Clock Hours: 1.50**
Laboratory portion of MEA0334 and MEA 0335. Competencies and evaluations for Electronic medical records simulation,office banking, financial duties,office management, business letters and memos, insurance protocols,billing forms and superbills,patient charting and documentation. In addition students will prepare resumes, cover letters and interview responses.

MEA0382 Medical Law & Ethics **Clock Hours: 32.00**
The ethics of medicine and medical practice are studied. Legal requirements and implications to the medical professional are stressed.

MEA0540 Basic Electrocardiography for Medical Assistants **Clock Hours: 37.00**
This course will discuss a brief history of electro-cardiography, a brief discussion of the cardiovascular system, the role of the Medical Assistant, the care and use of the electrographic (EKG) machine, positioning the patient, electrical hazards, normal EKG pattern, identifying and reporting abnormal EKG patterns and mounting the EKG. Ambulatory cardiac monitors will be studied.

MEA0582 Medical Assisting Simulation Laboratory I **Clock Hours: 24.00**
Designed to orient the medical assistant to real life experiences of patient care in the physician's examining room via simulation. Students will learn to apply the principles involved to patient charting, patient assessment and examination, vital signs, laboratory techniques including phlebotomy and urine analysis.

MEA0800 Practicum in Medical Assisting **Clock Hours: 213.00**
Student assigned to physician's office, clinic, or laboratory for a total of two hundred hours. Conference meetings will be arranged on an individual or group basis at a time and place to be arranged by the student and the coordinator. Attendance at group orientation prior to assignment is mandatory.

MEA1007 Introduction to Medical Assisting **Credit Hours: 4**
Course provides background for understanding, exploring medical office practices and functions and responsibilities of the medical assistant. Student introduced to legal, ethical issues that impact the profession, to patient communication and education, and given overview of administrative and financial operations of a medical office.

MEA1206 Clinical Procedures **Credit Hours: 4**
Designed to orient the medical assistant to all phases of patient care in the physicians examining room. Discussion of basic principles involved relating to: vital signs, physical examination, minor surgery, instrumentation sterilization, preparation of medications, physical therapy modalities. Approved uniform required.

MEA1206L Clinical Procedures Laboratory **Credit Hours: 2**
Laboratory portion of MEA1206. Designed to orient the medical assistant to all phases of patient care in the physicians examining room. Practice of basic principles involved relating to vital signs, physical examination, minor surgery, instrumentation sterilization, preparation and administration of medications, basic principles of nutrition and physical therapy modalities will be studied.

MEA1235 Medical Assisting A & P w/Disease Process **Credit Hours: 3**
Introduction to anatomy and physiology of the human body, including skin and sensory, muscular/skeletal, nervous, endocrine cardiovas-cular, blood and lymph, respiratory, digestive, urinary, reproductive systems.

MEA1242 Pharmacology for the Medical Assistant **Credit Hours: 3**
An introduction to medications, their classifications, dosage, administration, and the legal and ethical considerations applied.

MEA1245 Phlebotomy for the Medical Assistant **Credit Hours: 2**
Review of laboratory, clinical procedures in a medical office. Includes discussion of possible complications of phlebotomy. Student will perform venipuncture and capillary sticks while using propoer safety procedures.

MEA1245L Phlebotomy for the Medical Assistant Lab **Credit Hours: 2**
Practical application of mea1245. Lab review of clinical procedures in a medical office. Student will perform venipuncture and capillary sticks while using proper safety procedures.

MEA1258 Radiology for the Medical Assistant I **Credit Hours: 2**
Basic principles of x-ray film handling and processing; radiographic technique and radiation biology,including protection for self, patient, and public. Outcomes: a. Operate and maintain x-ray equipment/accessories b. Process x-ray film and maintain film files c. Evaluate film quality d. Demonstrate legal and ethical responsibilities e. Prepare patients for, assist with, and follow up patients after examinations and treatment f. Recognize and respond to emergency situations g. Recognize and practice safety and security procedures.

MEA1259 Radiology for Medical Assisting Part II **Credit Hours: 2**
Provides instruction in radiographic anatomy, positioning, procedures, and pathology of the upper and lower extremities, shoulder girdle, pelvis, spine, bony thorax, chest, abdomen, skull, facial bones, and sinuses.

MEA1259L Radiology for Medical Assisting Part II Lab **Credit Hours: 1**
Laboratory portion of MEA 1259. Practical application of the principles of radiation protection, radiographic technique, ion, film handling and processing, darkroom operation, radiographic positioning and procedures related to the upper extremities, lower extremities, and chest.

MEA1265 Medical Lab Procedures **Credit Hours: 3**
This course constitutes an introduction to clinical equipment and basic laboratory diagnostic testing of urine and serum. The student will learn the chemical, physical and microscopic examination of urine through laboratory experience and lecture. The student will learn the proper collection technique of specimens for laboratory testing. Pharmacology appropriate to the module will be discussed.

MEA1265L Medical Office Lab Procedures **Credit Hours: 1**
This course constitutes an introduction to clinical equipment and basic laboratory diagnostic testing of urine and serum. The student will learn the chemical, physical and microscopic examination of urine through laboratory experience and lecture. The student will learn the proper collection technique of specimens for laboratory testing. Pharmacology appropriate to the module will be discussed.

MEA1304 Medical Front Office Practices **Credit Hours: 2**
Introductory study of those skills required to perform front office functions in a medical office. Includes insurance, cpt coding for quality and medical manager system.

MEA1304L Medical Front Office Practices Lab **Credit Hours: 1**
Course provides background for understanding, exploring medical office practices and functions and responsibilities of the medical assistant. Student introduced to legal, ethical issues that impact the profession, to patient communication

MEA1542 EKG for Medical Assistants **Credit Hours: 3**
This course will discuss the history of electrocardiography, a brief discussion of the cardiovascular system, the role of the Medical Assistant, the care and use of the electrocardiographic (EKG) machine, positioning the patient, electrical hazards, normal EKG pattern, identifying and reporting abnormal EKG patterns and mounting the EKG. Ambulatory cardiac monitors will be studied.

MEA1542L EKG **Credit Hours: 1**
Lab component of MEA1542. The electrocardiography is a non-invasive tests on the heart using a electrical machine that

measures the electrical impulses of the heart in tracings. This course teaches the variations in the electrical potential produced by the heart and is used to diagnose irregularities in heart function. This course provide a recognition of emergencies in the EKG graph that will alert the physician to determine the need for possible further invasive testing. Students will perform 12 and 5 lead- EKG, as well as the drugs and side effects affecting EKG. This topic includes training in stress testing and holter monitoring.

MEA1800L Externship in Medical Assisting **Credit Hours: 6**
Student assigned to physicians office, clinic, or laboratory to perform Medical Assisting duties.

MEA1952 Seminar in Medical Assisting **Credit Hours: 2**
Lecture course designed to serve as a review for medical assisting students in preparation for their national certification examination. Selected areas of the curriculum will be emphasized as needed.

MET4700 Atmospheric Processes **Credit Hours: 3**
Upper level, introductory course covering the origin, composition and structure of the atmosphere, solar energy and the Earth's energy budget, air temperature, humidity, clouds and cloud formation, precipitation, global circulation model, air masses, fronts, mid latitude cyclones, severe storms, air pollution, atmospheric optics, and global climates and climate change. The course focuses on the physical and chemical processes associated with each topic, and how each forms part of the global atmospheric system.

MGF1106 Foundations of Mathematical Reasoning **Credit Hours: 3**
This is a general education course which includes the college-level skills not included in the courses MAT0018C Pre-Algebra, MAT0028C Elementary Algebra, and MAT1033 Intermediate Algebra. The course will include topics in logic, geometry, set theory, probability, statistics and history of mathematics. This course will also emphasize applications to real world situations and the integration of other disciplines, including, but not limited to, business and the physical sciences. Recommendation of the Mathematics Department or at least a grade of "C" in the prerequisite coursework is required.

MGF1107 Survey of Mathematics **Credit Hours: 3**
This is a general education course which includes college-level skills from a variety of mathematical topics. The course will include the mathematics of finance and at least 3 selected topics from among: linear and exponential functions; number systems; history of mathematics; elementary number theory; graph theory; numerical methods and algorithms; game theory; voting and apportionment theory; and student project(s) (strongly recommended). This course will also emphasize applications to real-world situations and the integration of other academic disciplines, including (but not limited to) business and the physical and social sciences. Meets Area 5A of the General Education Requirements for the A.A. degree. Meets Areas 4 or 5 of the General Education Requirement for the A.S. degree. Recommendation of the Mathematics Department or at least a grade of "C" in the prerequisite course is required.

MHF4404 History of Mathematics **Credit Hours: 3**
A chronological study of the evolution of mathematical thought from primitive counting to modern ideas. The study will include the development of mathematics through history, the impact of mathematics on society, and how mathematics has broadened our knowledge of the world. Throughout the course students will be shown and encouraged to discover connections between historical and modern mathematics. The course is designed for math students who want to understand the development of mathematics, teachers of mathematics at all levels, and students who have an interest in social and cultural history.

MKA1021 Salesmanship **Credit Hours: 3**
Through a combination of principles and techniques, this course identifies the why, what, how and when of selling. Students develop skills in prospecting, opening the sale, presenting customer benefits, overcoming objections, and closing the sale. Students will prepare an oral sales presentation based on selective criteria of the professor. Note: the DECA Sales Representative contest may be used as an example.

MKA1511 Advertising **Credit Hours: 3**
This course introduces the use of promotional strategy and marketing communications in achieving marketing objectives. It focuses on how product features/benefits can be translated into promotional appeals that will influence customer purchasing behavior. Topics include promotional objectives, product positioning, selecting media, creative

analyses, budgeting and measuring promotional effectiveness. As a learning activity, students prepare an advertising campaign for a product, business, or not-for-profit organization. Students will have the opportunity to participate in Delta Epsilon Chi activities.

MKA1930 Seminar I: Marketing in Perspective **Credit Hours: 3**
This course includes marketing management related activities such as individual projects in promotion and entrepreneurship, marketing research and career planning. The students will have the opportunity to work on projects given by area businesses.

MKA2042 Retailing **Credit Hours: 3**
This course provides an introduction to the management functions unique to retail store operations. Special topics include department store organization, shrinkage prevention, store location and layout, shopping centers, and merchandising. Upon successful completion of this course, students shall be able to demonstrate competencies needed in retailing positions at the mid-management and owner-management level.

MKA2701C Visual Informatics **Credit Hours: 3**
This course is designed to allow students to implement the important concepts and techniques used to move from simple to complex visualizations of business data. This is a course in applied data collection and presentation.

MKA2931 Seminar II: Research in Marketing **Credit Hours: 3**
This course includes marketing management related activities such as individual projects in advertising, promotion, entrepreneurship, marketing research and career planning. Students will expand and enhance the knowledge gained in the prerequisite course Marketing Seminar 1. Students will have the opportunity to develop leadership skills through participation in DECA and related activities.

MKA2932 Seminar III: Marketing Management **Credit Hours: 3**
This course includes marketing management related activities such as individual projects in promotion and entrepreneurship, marketing research and career planning. Students will expand and enhance the knowledge gained in the prerequisite course Marketing Seminar 1. Students will have the opportunity to develop leadership skills through participation in DECA and related activities.

MKA2949 Co-Op Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer. Students will be assigned specific course prefixes related to their academic major prior to registration.

MLS2811L Microbiology Clinical Practicum **Credit Hours: 3**
This course consists of an internship at a sponsoring microbiology laboratory clinical site. Supervised activities in areas of blood and body fluid immunologic analysis are meant to enhance the student's medical laboratory knowledge base with emphasis on professionalism, safety, problem-solving, and quality assurance.

MLS2930 Seminar **Credit Hours: 4**
Selected current topics in Clinical Laboratory Science and related subjects are discussed. These topics will go beyond the introductory courses in examining specific aspects of the subject matter.

MLT1022 Introduction To Medical Technology **Credit Hours: 2**
An introduction to the basic principles, techniques, and vocabulary applicable to medical laboratory technology. Emphasizes specimen collection and preservation; urinalysis and clinical microscopy; phlebotomy; introduction to serology; and lab information systems.

MLT1022L Introduction To Medical Technology Laboratory **Credit Hours: 1**
The laboratory develops laboratory skills related to the basic techniques in medical laboratory technology. Emphasizes specimen collection and preservation; urinalysis and clinical microscopy; phlebotomy; introduction to serology; and lab information systems.

MLT1040 Phlebotomy **Credit Hours: 1**

This course is a study of methods of obtaining blood specimens for laboratory analysis. Topics include phlebotomy equipment; venipuncture and skin puncture techniques; infection control; quality assurance; and professional, ethical, and legal considerations related to blood drawing.

MLT1044L Phlebotomy Clinical **Credit Hours: 1**
This course consists of supervised activities in obtaining blood specimens for laboratory analysis. Topics include appropriate use of phlebotomy equipment; venipuncture and skin puncture techniques; infection control; and quality assurance.

MLT2362 Hematology & Body Fluid Analysis **Credit Hours: 4**
This course is an introductory study of the classification and function of blood cells and clotting proteins in health and disease. Major topics include cell identification, anemias, leukemias, hemostasis and thrombosis, and urine and body fluid analysis.

MLT2362L Hematology & Body Fluid Analysis Laboratory **Credit Hours: 2**
This laboratory develops laboratory skills related to the classification, maturation, morphology and function of blood cells and clotting proteins in health and disease. Major skills include review of CBC slides, cell identification, anemias, leukemias, hemostasis and thrombosis, and urine and body fluid analysis.

MLT2400 Medical Microbiology **Credit Hours: 4**
Principles and methods used in clinical microbiology including isolation, identification, and antibiotic susceptibility testing of pathogenic bacteria. Introduction to medical parasitology, mycology, and virology.

MLT2400L Medical Microbiology Laboratory **Credit Hours: 3**
The laboratory develops laboratory skills related to clinical microbiology including isolation, identification, and antibiotic susceptibility testing of pathogenic bacteria. Develops the technical and critical thinking skills used to evaluate clinical microbiology specimens.

MLT2530 Immunology/Immunohematology **Credit Hours: 4**
This is a study of immunology, serology, blood banking and transfusion medicine principles and procedures. Antigens, antibodies, and the functions of the immune response are examined in detail.

MLT2530L Immunology/Immunohematology Laboratory **Credit Hours: 2**
This laboratory develops laboratory skills related to immunology, precipitation reactions, agglutination, labeled immunoassays, serology, blood banking and transfusion medicine principles and procedures. Antigens, antibodies, and the functions of the immune response are demonstrated in detail.

MLT2807L Immunohematology Clinical Practicum **Credit Hours: 3**
This course consists of an internship at a sponsoring serology and blood bank laboratory clinical site. Supervised activities in areas of blood and body fluid immunologic analysis are meant to enhance the student's medical laboratory knowledge base with emphasis on professionalism, safety, problem-solving, and quality assurance.

MLT2809L Hematology Clinical Practicum **Credit Hours: 3**
This course consists of an internship at a sponsoring hematology laboratory clinical site. Supervised activities in areas of blood and body fluid immunologic analysis are meant to enhance the student's medical laboratory knowledge base with emphasis on professionalism, safety, problem-solving, and quality assurance.

MLT2810L Clinical Chemistry Practicum **Credit Hours: 3**
This course consists of an internship at a sponsoring chemistry laboratory clinical site. Supervised activities in areas of blood and body fluid immunologic analysis are meant to enhance the student's medical laboratory knowledge base with emphasis on professionalism, safety, problem-solving, and quality assurance.

MMC1000 Intro to Mass Communication **Credit Hours: 3**
Overview of contemporary mass media and its historical background. Includes processes and effects of media messages on the individual and society. Deals with the media industry, its responsibilities, legalities, and careers. Media discussed may include newspapers, magazines, books, radio, television, advertising, public relations, and the movie and recording industries.

MMC2121 –Writing Fundamentals for Communicators **Credit Hours: 3**
Focuses on composing for print and electronic media web, beginning with the skills necessary to write with clarity and attention to user interactivity. Students will produce polished, published nonfiction work native to new media/new journalism formats. The primary mediamay include blogs, wikis, video compositions, white papers, press releases or other developing formats. Students will also learn to support composing in these primary media with other kinds of networked communication. Instruction will focus on developing advanced rhetorical skills appropriate for new media compositions.

MNA1161 Introduction to Customer Service **Credit Hours: 3**
This course provides the student with the basic concepts and current trends in the customer service industry. Through actual case studies, the students analyze organizations which have implemented successful customer service strategies.

MNA1949 Industry Work Experience **Credit Hours: 27**
Students with a postsecondary adult vocational certificate or equivalent may receive credit based on departmental review. Credits may apply only to students seeking an A.S. in Industrial Management Technology.

MNA2329 Case Studies in HR Management **Credit Hours: 3**
This course uses a case study, experimental/simulated learning approach to build upon and apply human resource management concepts. Students will develop and apply their communication and employee relations skills and problem-solving and decision-making abilities to cases that reflect work-related human resource challenges.

MNA2345 Principles of Supervision **Credit Hours: 3**
This course provides an overview of fundamentals of supervision and the management of people. It emphasizes the role of supervision in business organizations by focusing on supervisory processes; examining functions of planning, organizing, staffing, directing, controlling and their relationships to daily responsibilities of the supervisor.

MNA2403 Introduction to Human Resources Law & Regulations **Credit Hours: 3**
This course is designed to enable the future HR manager to recognize and address potential legal implications of common workplace situations and to understand and evaluate current trends and issues as they relate to employment law.

MNA2905 Independent Study in Industrial Management **Credit Hours: 3**
A directed study course available to both majors and non-majors who wish to investigate a particular concern or related issue in the field of Industrial Management.

MNA2949 CO-OP Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of learning objectives and employer evaluations.

MSL1001 Foundations of Officership **Credit Hours: 2**
Army ROTC: Examines the unique duties and responsibilities of officers, and the organization and role of the Army, reviews skills pertaining to fitness and communication, and analyzes Army values and expected ethical behavior.

MSL1002 Basic Leadership **Credit Hours: 2**
Army ROTC: Presents fundamental leadership concepts and doctrine, student will practice basic skills that underlie effective problem solving and examine the officer experience.

MSL2101 Individual Leadership Studies **Credit Hours: 2**
Army ROTC: Develops knowledge of self, self-confidence, individual leadership skills, problem solving and critical thinking skills, and improves communication and conflict resolution skills.

MSL2102 Leadership & Teamwork **Credit Hours: 2**
Army ROTC: Focuses on self-development by gaining knowledge of self and group processes and by challenging current beliefs, knowledge and skills.

MSS0001 Medical Ethics & Standards for Massage Therapy **Clock Hours: 16.50**
Course presents a detailed exploration of ethics and professionalism as it relates to massage therapy, focusing on the development and application of appropriate professional boundaries and the psychological dimensions of the client-therapist relationship. Licensure, national certification, professional organizations, malpractice insurance, sexuality, cultural diversity, and other concepts related to ethical practice are discussed.

MSS0150 Anatomy & Physiology of Body Systems **Clock Hours: 45.00**
The structure and function of human organ systems as they service massage therapy are presented. Basic pathophysiology of the major body systems and organs as they apply to massage therapy are discussed in relationship to appropriate care by the massage therapist. Systemic contraindications, local contra-indications and cautions that influence massage are presented.

MSS0156 Anatomy & Physiology for Massage Therapy II **Clock Hours: 45.00**
Course provides an opportunity for students to develop an applied understanding of neuromusculoskeletal anatomy. Postural analysis is presented. Students study the major muscles of the body, their origins, insertions, tendons of attachment, and actions; as well as associated bones, bony landmarks, and stabilizing ligaments for each joint. Planes of movement and lever classification are discussed.

MSS0156L Anatomy & Physiology Massage Therapy Laboratory II **Clock Hours: 60.00**
Course provides integration of neuromusculoskeletal anatomy into therapeutic application of massage. Massage techniques are presented sequentially with review of positioning, appropriate strokes, ethical situations, appropriate draping, etc. Throughout the course, charting and interviewing skills are taught and practiced.

MSS0250 Introduction to Massage Therapy **Clock Hours: 15.00**
Course presents an introduction to the massage therapy profession. Effective and appropriate communication techniques for management of the client-therapist relationship; communication skills necessary for working with colleagues in the health care community; and responsibility to the professional community and one's own community, through civic participation and membership in a professional association are discussed. The theory and history of massage therapy are explored.

MSS0250L Introduction to Massage Therapy Laboratory **Clock Hours: 170.00**
Course explores the effects, precautions and variations associated with basic massage strokes and issues associated with touch and trust. Students learn how to perform a full body massage that includes the five basic Swedish massage strokes and variations plus compression and fascia release. Proper draping, lubrication, bolster use and turning procedures during the massage are also taught as well as appropriate use of pressure, rhythm and movement to enhance the massage's effects. The ability to locate areas of tension or discomfort in clients is developed. Efficient body mechanics, hygiene and self-care while performing massage are practiced. Introductory record keeping as well as centering and breathing techniques are presented.

MSS0281 Allied Modalities **Clock Hours: 15.00**
Basic principles of allied modalities such as Polarity Therapy, Asian massage, trigger point therapy, deep tissue massage, reflexology, myofascial massage, muscle energy techniques and others are explored and demonstrated. Specific techniques are related to the activities or needs of unique populations as appropriate, including older adults,children, persons with disabilities, and athletes. Introduction to the basic elements of other natural health care disciplines is presented.

MSS0281L Allied Modalities - Laboratory **Clock Hours: 120.00**
Students learn how to help promote relaxation and relieve muscle tension via palpation as well as by determining joint range of motion, and then applying massage, exercise, and stretching to support normal motion, muscle tone and relaxation. General techniques for full body and seated massage are practiced. Emphasis continues on the development of correct body mechanics, injury prevention, table management, draping methods, and charting. Hands-on skills in several modalities such as reflexology, manual lymph drainage, and neuromuscular therapy are developed.

MSS0301 Hydrotherapy Modalities **Clock Hours: 15.00**
The therapeutic use of superficial heat and cryotherapy is discussed with an emphasis on developing an ability to make

professional judgments about the application of the appropriate modality for each client situation. The history of hydrotherapy and principles of hydrotherapeutic applications and equipment, indications, and contraindications are discussed. Basic principles of ultrasound, interferential current, TENS and electrical stimulation are presented.

MSS0301L Hydrotherapy Modalities - Laboratory **Clock Hours: 45.00**
Practical experience in the use of ice, heat, and hydrotherapies is provided. Application of physical agent modalities are practiced with emphasis on proper technique, safety, indications and contraindications.

MSS0803L Massage Therapy Clinical Practicum **Clock Hours: 110.00**
Course encourages the synthesis and integration of principles and techniques learned across the curriculum. Students provide comprehensive massage therapy services in the Massage Therapy Laboratory under direct supervision, including specific upper and lower body techniques. Introduces the experience of working in a massage clinic including learning principles of relating to clients, keeping records, determining fees, billing insurance, marketing and building a massage practice, maintaining hygiene standards and other activities. Students participate in case conferences and/or other professional discussions. In addition to laboratory sessions, students are required to engage in practice massage sessions outside of scheduled class hours, and must complete a minimum community service requirement.

MTB1310 Applied Mathematics **Credit Hours: 3**
This course is designed for Associate of Science degree seeking students. The following topics are included: the metric system and measurement; linear and quadratic functions; ratios and proportions; exponents and logarithms; and descriptive statistics. Problem solving and applications requiring a calculator will be presented throughout the course.

MTB1370 Math Topics for Health Related Professions **Credit Hours: 1**
This course provides an intensive review of mathematics operations involving fractions, decimals, percentages, ratios, and proportions. Units and measures in apothecaries, metric, and household systems are also discussed with a major emphasis on application for the calculation of both oral and parenteral drug dosages.

MTE1004C Introduction to Marine Technology **Credit Hours: 3**
Course provides the student with the basic skills needed in repairing the marine engine. Hands-on training includes safety rules and regulations; use of tools, identification of fasteners, gaskets, and seals; use of parts and electrical symbols for wiring diagrams.

MTE1018C Rigging & Make Ready **Credit Hours: 3**
Preparation and deliverable of sales merchandise, mounting of various accessories, rigging cables, wiring, control boxes; minor maintenance and lubrication of systems are covered.

MTE1040C Marine Diesel Engines I **Credit Hours: 3**
Course provides theory and hands-on application of the marine diesel engine and related systems. Instruction includes disassembly, reassembly, inspection, cleaning and troubleshooting engine parts and systems.

MTE1062C Marine Corrosion & Prevention **Credit Hours: 3**
Upon completion of this course, students will be able to describe the basic theory of galvanic, electrolysis, fatigue, biological cavitation, and chemical corrosion as it pertains to the marine industry. Zinc sacrificial and impressed current commercial control systems are demonstrated and discussed. Composition, structure, application, and evaluation of commercial classes of protective coating for metals, proper metal preparation, and coating applications are covered. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices.

MTE1073C Gasoline Engine Diagnostics & Repair **Credit Hours: 3**
A course on four and two-cycle in-line, and V-type inboard and outboard gasoline engines. Labs include troubleshooting with various kinds of test equipment, disassembly, and inspection and cleaning of various types of inboard gas engines by major manufacturers.

MTE1167C Marine Fuel Systems, Diesel & Gas **Credit Hours: 3**

Course provides theory, operation, and service of gasoline and diesel fuel systems as well as conventional systems and characteristics of fuels and their oil mixture; safety; marine carburetors, tank construction and installation; and troubleshooting test equipment using a dynometer.

MTE1312C Advanced Marine Composites, Painting & Refinish **Credit Hours: 3**
Principles of advanced composite marine construction and repair. Painting and refinishing surface fundamentals.

MTE1400C Marine Electricity **Credit Hours: 3**
Basic electrical theory for both AC and DC circuits in marine systems. Application of electrical theory to the generating, starting and auxiliary circuits of the marine engine. Emphasis on theory of operation and repair of equipment in the field with special attention to marine problems in salt-water environments.

MTE1542C Air Conditioning & Refrigeration Systems **Credit Hours: 3**
Principles of air conditioning and refrigeration systems on marine vessels.

MTE1543C Marine Auxiliary 2 **Credit Hours: 3**
This course develops skills in the student to prepare it, for the installation, reparation, diagnosis and inspection of systems such as: Auxiliary Power Systems, Hydraulic systems, Bow and Stern thrusters systems, Windlass anchor systems, Desalination systems and A/C Systems. The theory is complemented by projects in the laboratory, which help the student with the familiarization of the processes of installation and repair. At the end of the course the student will be ready to take the ABYC "Systems" certification exam.

MTE1651C Basic Welding **Credit Hours: 4**
Provides basic welding knowledge and skills necessary to make repairs on ferrous materials used in the marine industry. Emphasis on metallurgy and uses of metals. The course is designed for the student with no weldingbackground and includes the safety and theory of gas welding, metal cutting, brazing with brass and silver alloys, AC/DC arc welding stick, and introduction to aluminum TIG and MIG welding.

MTE2041C Diesel Engines II **Credit Hours: 3**
Advanced theory of operation of diesel engines with an understanding of ABYC standards and recommended practices for systems.

MTE2234C Marine Inboard/Outboard Saildrive & Transmission **Credit Hours: 3**
Course provides instruction on large outboard lower units, stern drives and marine gear assemblies of various manufacturers. Complete disassembly and reassembly procedures on outboard lower units. The study of hydraulics in transmissions and theory of propellers.

MTE2420C Advanced Electrical Systems **Credit Hours: 3**
Advanced electrical systems and troubleshooting procedures, diagnosis and repair of circuits and equipment malfunctions on marine vessels.

MTE2490C Marine Electronics **Credit Hours: 3**
Principles of on-board electronic systems, installation and troubleshooting of communication and navigational systems.

MTE2541C Marine Auxiliary Equipment **Credit Hours: 3**
This course provides an introduction to centrifugal pumps; AC electricity and generators; hydraulic; air conditioning; and refrigeration systems. Theory of operation and fundamentals of servicing are taught with a strong emphasis on techniques.

MTE2949 Marine Internship **Credit Hours: 2**
Internship co-operative course providing on-the-job training at a local marine repair station. Includes required student outcomes which meet industry standards.

MTG3212 Modern Geometry **Credit Hours: 3**

A course for math and math education majors. Geometry is a major foundation of our mathematical understanding of the world, and this course will explore both its breadth and depth. This course rigorously examines the axioms and theorems of Euclidean geometry and the non-Euclidean geometries. The coordinate and translational geometries will be treated as well. This course is highly theoretical and proof-intensive.

MUE1440 String Class **Credit Hours: 1**

Development of elementary performing skills on the violin. A basic study of all string instruments. Examines literature and teaching techniques for group instruction of students.

MUE1450 Woodwind Class **Credit Hours: 1**

Development of elementary performing skills on the clarinet. A basic study of all woodwind instruments. Examines literature and teaching techniques for group instruction of students.

MUH2019 Development of American Popular Music **Credit Hours: 3**

Popular music in the United States, from 1820 to the present, examining various musical styles including Theater and Stage Music, Jazz, Blues, Rock and Roll, Folk and Country, Punk, Hip-Hop, and beyond. This is an International/Intercultural course.

MUH2111 Music History & Literature I: Medieval to Classical **Credit Hours: 3**

A survey course tracing the historical development of Western music from Medieval to the Classical Periods. Emphasis is placed on major composers and their works. This is an International/Intercultural competency course.

MUH2112 Music History & Literature II: Romantic to Modern **Credit Hours: 3**

A survey course tracing the history of music from the beginning of the 19th century to the present, showing the significance of music development resulting from social, international and cultural influences. This is an International/Intercultural competency course.

MUL2010 Music Appreciation **Credit Hours: 3**

Course for non-music majors, designed to develop a basic music vocabulary, establish critical listening skills, and survey the evolution of Western music within a framework of world cultures. This is an International/Intercultural competency course.

MUM1600C Introduction to Recording Studio Procedures **Credit Hours: 3**

Fundamentals and techniques of modern multi-track recording. Areas of concentration are studio procedures, equipment operation, microphone selection and placement, signal processors, musical instrument isolation, and acoustical properties.

MUM2601C Advanced Recording Engineering **Credit Hours: 3**

This class focuses on advanced application of recording and mix-down techniques, incorporating the use of overdubs and special effects. A multi-track recording project will be required.

MUM2602C Mixing, Mastering, & Delivery **Credit Hours: 3**

Mixing, mastering, and delivery.

MUM2620C Acoustics & Audio Electronics **Credit Hours: 2**

This course is a survey of acoustical phenomena relating to music. It will also explore the fundamentals of analog and digital audio. Topics include recording consoles, principles of signal processing, an introduction to microphone and loudspeaker technology, and an introduction to music production and recording techniques in both analog and digital media. Class meetings consist of lecture sessions combined with in-class demonstration and some student hands-on training. Assignment-based laboratory time is required.

MUM2640C Post Production Sound **Credit Hours: 3**

This course will explore the production and post production aspects of sound as related to film and television. Topics include mixing and mastering video soundtracks, automated dialogue replacement, sound effects, Foley, music, and sound design.

MUM2700 Introduction to Music Business **Credit Hours: 3**

An introduction to the history, principles and practices of the music industry. A systematic survey of the career options in the music industry. Topics include recording, publishing, licensing, copyrights, promotions, arts managements, music and instrument merchandising, contracts, music in mass communication, the internet and the music industry, live performance on a local and national basis, career options and career development with emphasis on commercial enterprise.

MUM2730 Music Marketing & Promotion **Credit Hours: 3**

Music business marketing is a multifaceted and integrated approach that will teach the student an effective worldwide music marketing strategy and how to plan their active marketing plan tailored to the student's strengths and budget. The student will learn to: time a marketing campaign effectively; publicize music effectively for traditional print and emerging online outlets; understand the current opportunities for online, satellite and terrestrial radio play; and navigate various retail and distribution options such as iTunes, Rhapsody, Amazon.com as well as brick and mortar outlets. Students will learn to maximize profitability of touring efforts and avoid common mistakes in music marketing.

MUN1120 Band **Credit Hours: 1**

Open to all students, faculty, and members of the community who play a band instrument. Chairs assigned by the conductor through audition. Three hour rehearsal weekly. May be taken four times for transfer credit.

MUN1180 Concert Band **Credit Hours: 1**

Open to all students, faculty and members of the community who play a band instrument. Chairs assigned by the conductor through audition. Three hour rehearsal weekly. May be taken four times for transfer credit.

MUN1210C Symphony Orchestra **Credit Hours: 1**

Open by audition to all students, faculty and members of the community who play an orchestral instrument. Chairs assigned by the conductor. Three hours rehearsal weekly. May be taken four times for transfer credit.

MUN1280C Orchestra **Credit Hours: 1**

Open by audition to all students, faculty, and members of the community who play an orchestral instrument. Chairs assigned by the conductor. Three hours rehearsal weekly. May be taken four times for transfer credit.

MUN1310 College Singers **Credit Hours: 1**

Open to all college students by audition. Three hours rehearsal weekly. May be take four times for transfer credit.

MUN1340C Vocal Ensemble **Credit Hours: 1**

A select vocal ensemble performing a wide variety of literature, including Jazz and Pop. Open to all students by audition. May be taken four times for transfer credit.

MUN1341C Seahawk Singers **Credit Hours: 1**

A select vocal ensemble performing a variety of literature including jazz and pop. Open to all students by audition. May be taken four times for transfer credit.

MUN1380C Broward Choral Society **Credit Hours: 1**

Open to all student, faculty and members of the community who have experience in the art of singing. Three hours rehearsal weekly. May be taken four times for transfer credit.

MUN1430C Brass Ensemble **Credit Hours: 1**

A select instrumental ensemble that performs music written or arranged for Brass instruments. Enrollment is determined by the director through audition. May be taken four times for transfer credit.

MUN1440C Percussion Ensemble **Credit Hours: 1**

A select instrumental ensemble that performs music written or arranged for Percussion instruments. Enrollment is determined by the director through audition. May be taken four times for transfer credit.

MUN1460C Chamber Ensemble **Credit Hours: 1**
Small group whose members are selected by the director through audition. Study and performance of repertoire appropriate to the specific chamber media. Three hours rehearsal weekly. May be taken four times for transfer credit.

MUN1480C Classical Guitar Ensemble **Credit Hours: 1**
Open to all students, faculty and members of the community who play guitar. Enrollment is determined by the director through audition. Participants will study and perform music from all periods in preparation for public performance. May be taken four times for transfer credit.

MUN1481C Jazz Guitar Ensemble **Credit Hours: 1**
Open to all students, faculty and members of the community who play guitar. Enrollment is determined by the director through audition. Participants will study and perform music of various styles in preparation for public performance. May be taken four times for transfer credit.

MUN1710C Jazz Ensemble **Credit Hours: 1**
Enrollment is determined by the director through audition. Study and performance of music associated with the popular music and show presentation fields. May be taken four times for transfer credit.

MUN1711 Jazz Combo **Credit Hours: 1**
Enrollment is determined by the director through audition. Study and performance of music associated with the popular music and show presentation fields. May be taken four times for transfer credit.

MUN1712 Combo Laboratory **Credit Hours: 1**
Enrollment is determined by the director through audition. Study and performance of music associated with the popular music and show presentation fields. May be taken four times for transfer credit.

MUN1780C Jazz/Pop Ensemble **Credit Hours: 1**
Enrollment is determined by the director through audition. Study and performance of music associated with the popular music, show presentation and dance band fields. May be taken four times for transfer credit.

MUS1360 Introduction to Music Technology **Credit Hours: 1**
This class is an introductory survey of the fundamental aspects of music technology. Topics include use of microphones, digital audio, sound f/x, music notation programs and recording studio layout.

MUS2332C Live Sound Reinforcement **Credit Hours: 3**
This course explores techniques used for recording and reinforcing music on location. Topics include commonly encountered acoustical problems and an investigation of equipment and techniques used to overcome them.

MUS2342C Digital Audio Music Production **Credit Hours: 3**
Upon completion of this course the student will have acquired a deep understanding of desktop music production. The physical aspects of sound, digital audio technology and studio production techniques will be explained and demonstrated in detail. Topics covered in class will include non-linear editing, digital signal processing, an introduction to MIDI and sequencing, concepts of signal flow, sound effects, basic mixing, and basic recording techniques. Studio Laboratory assignments are performed outside of class reinforcing weekly lecture topics.

MUS2344C Introduction to MIDI Systems & Sound Design **Credit Hours: 3**
This course will offer the student a comprehensive study of the Musical Instrument Digital Interface (MIDI) and its many musical applications with an emphasis on sequencing and sound design. Concepts of music synthesis and sound design are presented through the use of a computer, keyboard, and appropriate software.

MUS2348C Digital Audio Music Production II **Credit Hours: 3**
This course explores techniques used for recording and reinforcing music on location. Topics include commonly encountered acoustical problems and an investigation of equipment and techniques used to overcome them.

MUS2349C Advanced Projects in Music Production **Credit Hours: 3**

This course will offer the student a comprehensive overview of the music production process, including composing, tracking, mixing, advanced synthesis techniques and delivery.

MUS2905 Independent Study: Music **Credit Hours: 3**
A directed, independent study course available to both majors and non-majors who wish to investigate a particular problem related to music. Prerequisite: Instructor approval. Students will shape the course to fit their needs by planning activities with a faculty advisor.

MUS2930 MUSIC: Special Topics **Credit Hours: 3**
Course centers around topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester. Topics will be identified by the MUS2930 course title published in the courseschedules for each term that the course is offered. Special Topics credit hours are not automatically transferable. Transfer credit is the prerogative of the receiving institution.

MUS2940 Music Technology CO-OP Work Experience **Credit Hours: 3**
A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and employer.

MUT1001 Fundamentals of Music **Credit Hours: 3**
A study of basic music fundamentals for the non-music major or the beginning music major whose background in music has been minimal. This is an International/Intercultural competency course.

MUT1111 Music Theory I **Credit Hours: 3**
A course on music theory and related keyboard skills. Emphasis on diatonic materials.

MUT1112 Music Theory II **Credit Hours: 3**
A continuation of MUT1111.

MUT1241 Ear Training & Sight Singing I **Credit Hours: 1**
A course in the development of sight singing and ear training skills.

MUT1242 Ear Training & Sight Singing II **Credit Hours: 1**
A continuation of MUT1241.

MUT1271C Musicianship for Music Technology I **Credit Hours: 3**
Designed for the music technology student, this class will explore the basic musical concepts of rhythm, melody, and harmony. Additional topics will include notation, sight singing, and song form. Keyboard skills are also developed.

MUT1272C Musicianship for Music Technology II **Credit Hours: 3**
A continuation of the concepts presented in MUT1271C. This course focuses on further development of music theory, sight singing, and keyboard skills.

MUT2116 Music Theory III **Credit Hours: 3**
Continuation of MUT1112. Concentration on chromatic materials, musical forms, and 20th century techniques.

MUT2117 Music Theory IV **Credit Hours: 3**
Continuation of MUT2116.

MUT2246 Ear Training & Sight Singing III **Credit Hours: 1**
A continuation of MUT1242.

MUT2247 Ear Training & Sight Singing IV **Credit Hours: 1**
A continuation of MUT2246.

MUT2641 Jazz Theory & Improvisation I **Credit Hours: 3**

A study of the materials and structure of jazz music and the development of improvisational skills.

MUT2642 Jazz Theory & Improvisation II **Credit Hours: 3**
A study of the materials and structure of jazz music and the development of improvisational skills.

MVB1011 Pre-Principal Trumpet **Credit Hours: 1**
College preparatory applied instruction in Trumpet for the music principal. One hour lesson per week and two hours practice daily.

MVB1012 Pre-Principal French Horn **Credit Hours: 1**
College preparatory applied instruction in French horn for the music principal. One hour lesson per week and two hours practice daily.

MVB1013 Pre-Principal Trombone **Credit Hours: 1**
College preparatory applied instruction in trombone for the music principal. One hour lesson per week and two hours practice daily.

MVB1014 Pre-Principal Baritone Horn **Credit Hours: 1**
College preparatory applied instruction in baritone horn for the music principal. One hour lesson per week and two hours practice daily.

MVB1015 Pre-Principal Tuba **Credit Hours: 1**
College preparatory applied instruction in tuba for the music principal. One hour lesson per week and two hours practice daily.

MVB1211 Trumpet **Credit Hours: 1**
One half-hour lesson weekly and one hour of practice daily.

MVB1212 French Horn **Credit Hours: 1**
One half-hour lesson weekly and one hour of practice daily.

MVB1213 Trombone **Credit Hours: 1**
One half-hour lesson weekly and one hour of practice daily.

MVB1214 Baritone Horn **Credit Hours: 1**
One half-hour lesson weekly and one hour of practice daily.

MVB1215 Tuba **Credit Hours: 1**
One half-hour lesson weekly and one hour of practice daily.

MVB1311 Principal Trumpet I **Credit Hours: 1**
Applied instruction in trumpet for the music principal. One hour lesson per week and two hours practice daily.

MVB1312 Principal French Horn I **Credit Hours: 1**
Applied instruction in French horn for the music principal. One hour lesson per week and two hours practice daily.

MVB1313 Principal Trombone I **Credit Hours: 1**
Applied instruction in trombone for the music principal. One hour lesson per week and two hours practice daily.

MVB1314 Principal Baritone Horn I **Credit Hours: 1**
Applied instruction in baritone horn for the music principal. One hour lesson per week and two hours practice daily.

MVB1315 Principal Tuba I **Credit Hours: 1**
Applied instruction in tuba for the music principal. One hour lesson per week and two hours practice daily.

MVB2221 Trumpet **Credit Hours: 1**

One half hour lesson weekly and one hour of practice daily.

MVB2222 French Horn **Credit Hours: 1**
One half hour lesson weekly and one hour practice daily.

MVB2223 Trombone **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVB2224 Baritone Horn **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVB2225 Tuba **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVB2321 Principal Trumpet II **Credit Hours: 1**
Applied instruction in trumpet for the music principal. One hour lesson per week and two hours practice daily.

MVB2322 Principal French Horn II **Credit Hours: 1**
Applied instruction in French horn for the music principal. One hour lesson per week and two hours practice daily.

MVB2323 Principal Trombone II **Credit Hours: 1**
Applied instruction in trombone for the music principal. One hour lesson per week and two hours practice daily.

MVB2324 Principal Baritone Horn II **Credit Hours: 1**
Applied instruction in baritone horn for the music principal. One hour lesson per week and two hours practice daily.

MVB2325 Principal Tuba II **Credit Hours: 1**
Applied instruction in tuba for the music principal. One hour lesson per week and two hours practice daily.

MVJ1010 Pre-Principal Jazz Piano **Credit Hours: 1**
College preparatory applied instruction in jazz piano for the music principal. One hour lesson per week and two hours practice daily.

MVJ1011 Pre-Principal Jazz Voice **Credit Hours: 1**
College preparatory applied instruction in jazz voice for the music principal. One hour lesson per week and two hours practice daily.

MVJ1013 Pre-Principal Jazz Guitar **Credit Hours: 1**
College preparatory applied instruction in jazz guitar for the music principal. One hour lesson per week and two hours practice daily.

MVJ1014 Pre-Principal Electric Bass **Credit Hours: 1**
College preparatory applied instruction in electric bass for the music principal. One hour lesson per week and two hours practice daily.

MVJ1019 Pre-Principal Jazz Percussion **Credit Hours: 1**
College preparatory applied instruction in jazz percussion for the music principal. One hour lesson per week and two hours practice daily.

MVJ1210 Jazz Piano / Secondary **Credit Hours: 1**
One half-hour lesson weekly and one hour of practice daily.

MVJ1211 Jazz Voice Secondary **Credit Hours: 1**
One half-hour lesson weekly and one hour of practice daily.

MVJ1213 Jazz Guitar / Secondary **Credit Hours: 1**

One half-hour lesson weekly and one hour of practice daily.

MVJ1214 Electric Bass / Secondary **Credit Hours: 1**
One hour lesson weekly and two hours of practice daily.

MVJ1219 Jazz Percussion **Credit Hours: 1**
One half hour lesson weekly and one hour practice daily.

MVJ1310 Principal Jazz Piano I **Credit Hours: 1**
Applied instruction in jazz piano for the music principal. One hour lesson per week and two hours practice daily.

MVJ1311 Principal Jazz Voice I **Credit Hours: 1**
Applied instruction in jazz voice for the music principal. One hour lesson per week and two hours practice daily.

MVJ1313 Principal Jazz Guitar I **Credit Hours: 1**
Applied instruction in jazz guitar for the music principal. One hour lesson per week and two hours practice daily.

MVJ1314 Principal Electric Bass I **Credit Hours: 1**
Applied instruction in electric bass for the music principal. One hour lesson per week and two hours practice daily.

MVJ1319 Principal Jazz Percussion I **Credit Hours: 1**
Applied instruction in jazz percussion for the music principal. One hour lesson per week and two hours practice daily.

MVJ2220 Jazz Piano **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVJ2223 Jazz Guitar **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVJ2224 Electric Bass **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVJ2229 Jazz Percussion **Credit Hours: 1**
One half hour lesson weekly and one hour practice daily.

MVJ2320 Principal Jazz Piano II **Credit Hours: 1**
Applied instruction in jazz piano for the music principal. One hour lesson per week and two hours practice daily.

MVJ2323 Principal Jazz Guitar II **Credit Hours: 1**
Applied instruction in jazz guitar for the music principal. One hour lesson per week and two hours practice daily.

MVJ2324 Principal Electric Bass II **Credit Hours: 1**
Applied instruction in electric bass for the music principal. One hour lesson per week and two hours practice daily.

MVJ2329 Principal Jazz Percussion II **Credit Hours: 1**
Applied instruction in jazz percussion for the music principal. One hour lesson per week and two hours practice daily.

MVK1011 Pre-Principal Piano **Credit Hours: 1**
College preparatory applied instruction in piano for the music principal. One hour lesson per week and two hours practice daily.

MVK1013 Pre-Principal Organ **Credit Hours: 1**
College preparatory applied instruction in organ for the music principal. One hour lesson per week and two hours practice daily.

MVK1111 Piano Class **Credit Hours: 1**
Basic piano skills for the beginning student.

MVK1112 Piano Class II **Credit Hours: 1**
(Two hours weekly) basic piano skills for the intermediate student.

MVK1211 Piano **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVK1213 Organ **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVK1311 Principal Piano I **Credit Hours: 1**
Applied instruction in piano for the music principal. One hour lesson per week and two hours practice daily.

MVK1313 Principal Organ I **Credit Hours: 1**
Applied instruction in organ for the music principal. One hour lesson per week and two hours practice daily.

MVK2221 Piano **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVK2223 Organ **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVK2321 Principal Piano II **Credit Hours: 1**
Applied instruction in piano for the music principal. One hour lesson per week and two hours practice daily.

MVK2323 Principal Organ II **Credit Hours: 1**
Applied instruction in organ for the music principal. One hour lesson per week and two hours practice daily.

MVO1070 Applied Music Jazz Coaching **Credit Hours: 1**
Applied music jazz coaching on the student's instrument. One hour lesson per week and two hours practice daily. By permission of the instructor.

MVP1011 Pre-Principal Percussion **Credit Hours: 1**
College preparatory applied instruction in percussion for the music principal. One hour lesson per week and two hours practice daily.

MVP1211 Percussion **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVP1311 Principal Percussion I **Credit Hours: 1**
Applied instruction in percussion for the music principal. One hour lesson per week and two hours practice daily.

MVP2221 Percussion **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVP2321 Principal Percussion II **Credit Hours: 1**
Applied instruction in percussion for the music principal. One hour lesson per week and two hours practice daily.

MVS1011 Pre-Principal Violin **Credit Hours: 1**
College preparatory applied instruction in violin for the music principal. One hour lesson per week and two hours practice daily.

MVS1012 Pre-Principal Viola **Credit Hours: 1**
College preparatory applied instruction in viola for the music principal. One hour lesson per week and two hours practice daily.

MVS1013 Pre-Principal Cello **Credit Hours: 1**
College preparatory applied instruction in cello for the music principal. One hour lesson per week and two hours practice daily.

MVS1014 Pre-Principal String Bass **Credit Hours: 1**
College preparatory applied instruction in string bass for the music principal. One hour lesson per week and two hours practice daily.

MVS1015 Pre-Principal Harp **Credit Hours: 1**
College preparatory applied instruction in harp for the music principal. One hour lesson per week and two hours practice daily.

MVS1016 Pre-Principal Classical Guitar **Credit Hours: 1**
College preparatory applied instruction in classical guitar for the music principal. One hour lesson per week and two hours practice daily.

MVS1116 Guitar Class **Credit Hours: 1**
Class instruction in beginning classical guitar techniques.

MVS1211 Violin **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS1212 Viola **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS1213 Cello **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS1214 String Bass **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS1215 Harp **Credit Hours: 1**
One half hour lesson weekly, and one hour of practice daily.

MVS1216 Classical Guitar **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS1311 Principal Violin I **Credit Hours: 1**
Applied instruction in violin for the music principal. One hour lesson per week and two hours practice daily.

MVS1312 Principal Viola I **Credit Hours: 1**
Applied instruction in viola for the music principal. One hour lesson per week and two hours practice daily.

MVS1313 Principal Cello I **Credit Hours: 1**
Applied instruction in cello for the music principal. One hour lesson per week and two hours practice daily.

MVS1314 Principal String Bass I **Credit Hours: 1**
Applied instruction in string bass for the music principal. One hour lesson per week and two hours practice daily.

MVS1315 Harp **Credit Hours: 1**
One hour lesson weekly, and two hours of practice daily. Class offered on demand.

MVS1316 Principal Classical Guitar I **Credit Hours: 1**
Applied instruction in classical guitar for the music principal. One hour lesson per week and two hours practice daily.

MVS2126 Guitar Class **Credit Hours: 1**
Class instruction in intermediate guitar techniques.

MVS2221 Violin **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS2222 Viola **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS2223 Cello **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS2224 String Bass **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS2225 Harp Secondary **Credit Hours: 1**
One half hour lesson weekly, and one hour of practice daily. This course offered on demand.

MVS2226 Classical Guitar **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVS2321 Principal Violin II **Credit Hours: 1**
Applied instruction in violin for the music principal. One hour lesson per week and two hours practice daily.

MVS2322 Principal Viola II **Credit Hours: 1**
Applied instruction in viola for the music principal. One hour lesson per week and two hours practice daily.

MVS2323 Principal Cello II **Credit Hours: 1**
Applied instruction in cello for the music principal. One hour lesson per week and two hours practice daily.

MVS2324 Principal String Bass II **Credit Hours: 1**
Applied instruction in string bass for the music principal. One hour lesson per week and two hours practice daily.

MVS2325 Principal Sophomore Harp **Credit Hours: 1**
Applied instruction in harp for the music principal. One hour lesson per week and two hours practice daily.

MVS2326 Principal Classical Guitar II **Credit Hours: 1**
Applied instruction in classical guitar for the music principal. One hour lesson per week and two hours practice daily.

MVV1011 Pre-Principal Voice **Credit Hours: 1**
College preparatory applied instruction in voice for the music principal. One hour lesson per week and two hours practice daily.

MVV1111 Voice Class **Credit Hours: 1**
Fundamentals of voice production and building of solo repertoire.

MVV1211 Voice **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVV1311 Principal Voice I **Credit Hours: 1**
Applied instruction in voice for the music principal. One hour lesson per week and two hours practice daily.

MVV2221 Voice **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVV2321 Principal Voice II **Credit Hours: 1**
Applied instruction in voice for the music principal. One hour lesson per week and two hours practice daily.

MVW1011 Pre-Principal Flute **Credit Hours: 1**
College preparatory applied instruction in flute for the music principal. One hour lesson per week and two hours practice daily.

MVW1012 Pre-Principal Oboe **Credit Hours: 1**
College preparatory applied instruction in oboe for the music principal. One hour lesson per week and two hours practice daily.

MVW1013 Pre-Principal Clarinet **Credit Hours: 1**
College preparatory applied instruction in clarinet for the music principal. One hour lesson per week and two hours practice daily.

MVW1014 Pre-Principal Bassoon **Credit Hours: 1**
College preparatory applied instruction in bassoon for the music principal. One hour lesson per week and two hours practice daily.

MVW1015 Pre-Principal Saxophone **Credit Hours: 1**
College preparatory applied instruction in saxophone for the music principal. One hour lesson per week and two hours practice daily.

MVW1211 Flute **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW1212 Oboe **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW1213 Clarinet **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW1214 Bassoon **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW1215 Saxophone **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW1311 Principal Flute I **Credit Hours: 1**
Applied instruction in flute for the music principal. One hour lesson per week and two hours practice daily.

MVW1312 Principal Oboe I **Credit Hours: 1**
Applied instruction in oboe for the music principal. One hour lesson per week and two hours practice daily.

MVW1313 Principal Clarinet I **Credit Hours: 1**
Applied instruction in clarinet for the music principal. One hour lesson per week and two hours practice daily.

MVW1314 Principal Bassoon I **Credit Hours: 1**
Applied instruction in bassoon for the music principal. One hour lesson per week and two hours practice daily.

MVW1315 Principal Saxophone I **Credit Hours: 1**
Applied instruction in saxophone for the music principal. One hour lesson per week and two hours practice daily.

MVW2221 Flute **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW2222 Oboe **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW2223 Clarinet **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW2224 Bassoon **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW2225 Saxophone **Credit Hours: 1**
One half hour lesson weekly and one hour of practice daily.

MVW2321 Principal Flute II **Credit Hours: 1**
Applied instruction in flute for the music principal. One hour lesson per week and two hours practice daily.

MVW2322 Principal Oboe II **Credit Hours: 1**
Applied instruction in oboe for the music principal. One hour lesson per week and two hours practice daily.

MVW2323 Principal Clarinet II **Credit Hours: 1**
Applied instruction in clarinet for the music principal. One hour lesson per week and two hours practice daily.

MVW2324 Principal Bassoon II **Credit Hours: 1**
Applied instruction in bassoon for the music principal. One hour lesson per week and two hours practice daily.

MVW2325 Principal Saxophone II **Credit Hours: 1**
Applied instruction in saxophone for the music principal. One hour lesson per week and two hours practice daily.

NMT1002 Intro to Nuclear Medicine Technology **Credit Hours: 3**
This course is designed to introduce the student to the field of nuclear medicine. Upon completion of this course, the student will have knowledge upon vital signs, patient care, universal precautions, and phlebotomy. The student will also receive a brief overview on radiation safety and the most common procedures performed in nuclear medicine.

NMT1002L Introduction to Nuclear Medicine Laboratory **Credit Hours: 1**
The student will be introduced to aspects of the healthcare field and the fundamentals of nuclear medicine by applying the skills learned in Introduction to Nuclear Medicine to fully prepare the student for the hospital and/or clinical site.

NMT1430 Radiation Safety & Radiobiology **Credit Hours: 3**
This course is designed to educate students on the biological effects of radiation and also informs the student on the local, state and federal regulations regarding radiation protection and safety for themselves, others and the environment. The students will learn

how to follow appropriate protection procedures; dose limits, the long and short term effects of radiation, and how to handle and dispose of radioactive materials; and practice personnel monitoring of radiation exposure.

NMT1630 Nuclear Medicine **Physics and Mathematical Applications** **Credit Hours: 2**
This course educates the student on the fundamentals of nuclear physics including nuclear terminology and important photon interactions that interplay with common radioisotopes used in Nuclear Medicine. The student will also gain knowledge of the various calculations necessary for a successful nuclear medicine technologist to attain.

NMT1714 Nuclear Medicine Pathology **Credit Hours: 3**
This course introduces the student to general pathological conditions with emphasis on those commonly seen in the field of nuclear medicine. Basic anatomy is reviewed in correlation to pathophysiology of disease. Descriptions of how diseases are classified, diagnosed and treated, as well as the natural course/ prognosis of these diseases are presented. Topics will include; Pathogenesis, disease classification systems, and the study of specific disease of the respiratory, skeletal, gastrointestinal, hepatobiliary, urinary, cardiovascular & hematopoietic, nervous, endocrine and reproductive systems with nuclear medicine imaging considerations.

NMT1804 Nuclear Medicine Clinical Education I **Credit Hours: 2**
This course introduces the student to general pathological conditions with emphasis on those commonly seen in the field of nuclear medicine. Basic anatomy is reviewed in correlation to pathophysiology of disease. Descriptions of how diseases are classified, diagnosed and treated, as well as the natural course/prognosis of these diseases are presented. Topics will include; Pathogenesis, disease classification systems, and the study of specific disease of the respiratory, skeletal, gastrointestinal, hepatobiliary, urinary, cardiovascular and hematopoietic, nervous, endocrine and reproductive systems with nuclear medicine imaging considerations.

NMT1814 Nuclear Medicine Clinical Education II **Credit Hours: 2**
Second in a four-course sequence of supervised clinical instruction in nuclear medicine technology. In addition to topics covered in Clinical Education I, the student is expected to perform routine quality control and some imaging procedures. Students must successfully complete a required number of competencies as stated in the clinical syllabi for the respective semester.

NMT1900 Nuclear Medicine Imaging Anatomy **Credit Hours: 2**
This course is designed to present anatomy and its importance to the Nuclear Medicine student who will be utilizing this knowledge in the clinical field for classification of diagnoses, procedures, and diagnostic services rendered to patients in the healthcare environment.

NMT2061 Nuclear Medicine Seminar **Credit Hours: 3**
This course challenges the student with comprehensive testing, discussions and refinement of their accumulated knowledge of all aspects of Nuclear Medicine technology in preparation for the National Board Examinations.

NMT2102 Nuclear Medicine Administration **Credit Hours: 1**
The student will be introduced to the administrative duties required of a Nuclear Medicine Technologist. Upon completion, the student will attain knowledge of proper resume building skills, interviewing skills, stress management and overall successful in the healthcare field.

NMT2130 Nuclear Medicine Radiopharmacy **Credit Hours: 2**
This course will educate the student upon all aspects of all the radiopharmaceuticals used in Nuclear Medicine and PET. The student will understand how radiopharmaceuticals are produced, to maintain radiopharmaceutical records; obtain a generator eluate; prepare radiopharmaceuticals and perform quality control tests on them; dispose of radioactive waste appropriately; demonstrate an understanding of ordering pharmaceuticals in appropriate dosage and at an effective time frame.

NMT2534 Nuclear Medicine Instrumentation **Credit Hours: 3**
This class incorporates the principles of nuclear physics associated with the operation and calibration of radiation detection devices applied in nuclear medicine. Students will have a hands-on approach to the various types of devices and equipment that are commonly used in nuclear medicine. Students will be educated on quality control testing of

imaging and non-imaging systems; which also include SPECT, PET, and CT applications.

NMT2713 Nuclear Medicine Methodology I **Credit Hours: 3**
This is the first in a series of two courses which thoroughly educate the student about nuclear medicine imaging procedures to allow the student proper execution of these procedures during clinical rotation. The student will also demonstrate knowledge of respective PET imaging procedures frequently performed.

NMT2713L Nuclear Medicine Methodology I Laboratory **Credit Hours: 1**
This is the first in a series of two laboratories which allows the student to apply their knowledge of the material they learn in Methodology I and enhance the student's familiarity with the clinical setting.

NMT2723 Nuclear Medicine Methodology II **Credit Hours: 3**
This course enhances the student's knowledge attained from Methodology I by learning the remaining nuclear medicine procedures in order to properly execute all procedures successfully. The student will also demonstrate knowledge of any remaining PET imaging procedures not discussed in Methodology I.

NMT2723L Nuclear Medicine Methodology II Laboratory **Credit Hours: 1**
This is the second in a series of two laboratories which allows the student to apply their knowledge of the material they learn in Methodology II and enhance the student's familiarity within the clinical setting.

NMT2779 Introduction to Multiple Modalities **Credit Hours: 3**
This course educates the student about proper recognition and interpretation of cross sectional anatomy. The student will also compare and analyze images from complementary modalities. It is crucial for the nuclear medicine technologist to understand three dimensional imaging in order to enhance patient care and be an asset to the facility.

NMT2824 Nuclear Medicine Clinical Education III **Credit Hours: 3**
Third in a four-course sequence of supervised clinical instruction in nuclear medicine technology. In addition to topics covered in Clinical Education II, the student is expected to perform routine quality control and imaging procedures. Students must successfully complete a required number of competencies as stated in the clinical syllabi for the respective semester.

NMT2834 Nuclear Medicine Clinical Education IV **Credit Hours: 3**
Fourth in a four-course sequence of supervised clinical instruction in nuclear medicine technology. In addition to topics covered in Clinical Education III, the student is expected to perform routine quality control, imaging and therapy procedures. Students must successfully complete a required number of competencies as stated in the clinical syllabi for the respective semester.

NMT2960 Nuclear Medicine Advance Applications **Credit Hours: 3**
This course allows the student to take a more in depth perception upon previous taught courses with emphasis upon clinical application and knowledge developed from prior clinical education classes.

NUR1020 Nursing Process I **Credit Hours: 3**
This is a theoretical course for the beginning nursing student. Nursing Process I provides the student with the fundamentals of nursing, including such basic skills as health assessment, legal aspects of nursing practice, communication and documentation technique, asepsis, the nursing process, caring for patients having special procedures or specimen collection, and the role of the nurse as a member of the health care team. This course also includes explanation of specific physiological and psychological human needs as hygiene, safety, sleep and rest, sensory, grief and loss, self-concept and the nurse's role in assisting a person to meet these needs, while sensitive to cultural diversity, human dignity, and development progression.

NUR1020L Nursing Process I Clinical Laboratory **Credit Hours: 2**
A clinical course for the beginning nursing student. Initially skills are learned in simulation Laboratory and then the student is introduced to direct patient care in an inpatient setting. The emphasis is on care of the adult experiencing

medical/surgical situations. The focus is practical application and transference of the theoretical concepts covered in Nursing Process I.

NUR1210 Nursing Process II **Credit Hours: 3**
The second in a series of theoretical courses for the beginning nursing students. This course builds on previously learned concepts and introduces more sophisticated nursing interventions related to medication and blood administration, care of patients experiencing alterations in the basic needs of nutrition, elimination, comfort, fluid and electrolyte balance, acid-base balance, oxygenation, mobility, and asepsis, and care of the surgical patient, aging patient, and patient with knowledge deficits.

NUR1210L Nursing Process II Clinical Laboratory **Credit Hours: 2**
The second in a series of clinical courses building on previously learned concepts while incorporating more sophisticated nursing interventions related to medication administration, care of patients experiencing alterations in the basic needs of nutrition, elimination, comfort, fluid and electrolyte balance, oxygenation, mobility, asepsis, and care of the surgical patient. Course activities focus on nursing care of the adult patient experiencing medical/surgical situations.

NUR1220 Health Alterations I **Credit Hours: 3**
Health Alterations I is a course designed to provide the student with knowledge of alterations of ingestion, digestion, metabolism, and elimination throughout the life cycle. The major focus is directed at meeting the health care needs of the adult and pediatric patient through utilization of the nursing process. The student will be expected to integrate principles of anatomy, physiology, and pathophysiology of the digestive and genito urinary systems into the nursing process. Components of pharmacology and nutrition will be included in this course. Consideration will also be given to the psychosocial aspects of the wellness/illness continuum.

NUR1220L Health Alterations I Laboratory **Credit Hours: 1**
Health Alterations I Clinical Laboratory is a course designed to provide the student with the opportunity to utilize the nursing process in the care of patients with alterations of ingestion, digestion, metabolism, and elimination throughout the life cycle. The student will be expected to correlate theoretical knowledge and scientific principles with clinical situations, observational experiences, written assignments and performance exams may be included in this course.

NUR1304L Transition Pediatric Nursing Clinic Laboratory **Credit Hours: 1**
This clinical course provides the LPN student with an understanding of growth and development through the stages of childhood and the application of the nursing process through these stages.

NUR1310 Pediatric Nursing **Credit Hours: 3**
This pediatric course is designed to provide an under-standing of growth and development through the stages of childhood and the application of the nursing process to these stages.

NUR1310L Pediatric Nursing Laboratory **Credit Hours: 2**
This clinical course provides the student with an understanding of growth and development through the stages of childhood and the application of the nursing process to these stages.

NUR1400L TR Healthcare of Women Clinical Laboratory **Credit Hours: 1**
This clinical course is for the LPN student and will enable students to apply the nursing process in providing nursing care to the maternity patient, her family, and the fetus/newborn during antepartal, intrapartal and postpartal periods. Consideration is given to the multiple factors which complicate the normal physiological or psychological process of the childbearing period.

NUR1421 Health Care of Women **Credit Hours: 3**
Health Care of Women is a course designed to provide the student with the knowledge of the reproductive system and health care needs of women throughout the life cycle. The major focus is directed to the childbearing portion of the life cycle. The student is expected to utilize the nursing process in providing nursing care to the maternity patient, her family, and the fetus/newborn during antepartal, intrapartal and postpartal periods. Consideration is given to the multiple

factors which complicate the normal physiological or psychological process of the childbearing period.

NUR1421L Health Care of Women Clinical Laboratory **Credit Hours: 2**
Health Care of Women is a clinical course designed to provide the student with the knowledge of the reproductive system and health care needs of women throughout the life cycle. The major focus is directed to the childbearing portion of the life cycle. The student is expected to utilize the nursing process in providing nursing care to the maternity patient, her family, and the fetus/newborn during antepartal, intrapartal and postpartal periods. Consideration is given to the multiple factors which complicate the normal physiological or psychological process of the childbearing period.

NUR1500L Transition Psychiatric Nursing Clinical Laboratory **Credit Hours: 1**
This clinical course provides the LPN student with a definition and understanding of the psychiatric patient. The nursing process is utilized to present pathological condition. Therapeutic modalities are included.

NUR1520 Nursing Care of the Psychiatric Patient **Credit Hours: 3**
This course provides the student with a definition and understanding of psychiatric nursing. The nursing process is utilized to present pathological conditions. Therapeutic interventions are included.

NUR1520L Nursing Care of the Psychiatric Patient CL Laboratory **Credit Hours: 2**
This clinical course provides the student with a definition and understanding of the psychiatric nursing. The nursing process is utilized to present pathological conditions. Therapeutic modalities are included.

NUR2000 Transition Nursing I **Credit Hours: 2**
Transition to Nursing Process I or NUR2000 is a 2 semester hours course which is a theoretical course designed to introduce the student to the basic elements of the Associate Degree Nursing curriculum. Nursing Transition I provides the licensed practical nurse with the fundamental skills and knowledge of the Registered Nurse role including nursing process, health assessment, legalities, basic communication skills, and an understanding of the needs of the medical surgical patient. This course builds on previously learned concepts and introduces more sophisticated nursing interventions related to medication and blood administration; care of patients experiencing alterations in the basic needs of fluid and electrolyte balance, acid-base balance, oxygenation, aging patient, and patient with knowledge deficits.

NUR2000L Transition Nursing I Clinical Laboratory **Credit Hours: 2**
The student shall be responsible for providing care of a selected group of patients, being aware of legal and ethical issues pertinent to their care and effecting change as necessary. It will be essential for the student to examine his/her own values and methods of communication in attempting to problem-solve patient situations. Observational experiences, written assignments, and performance exams may be included in this course.

NUR2221 Health Alterations II **Credit Hours: 3**
This course will continue to build on previously learned concepts related to the care of the medical surgical patient. The student focus and responsibility will be the practice-oriented, person-centered collaborative care of the medical surgical patients, with alterations in mobility, skin integrity, and/or neurological and sensory functioning. Prevention, rehabilitation, and evidence-based considerations, factors that contribute to or threatened health, honor diversity, ethical and informed decision making, and human dignity are emphasized.

NUR2221L Health Alterations II Clinical Laboratory **Credit Hours: 2**
In this course the student will be responsible for applying the nursing process to assigned patients with alterations in mobility, skin integrity and neurological functions. This experience will require both clinical and written assignments. Evaluation will be based on their application of the nursing process to assigned patients.

NUR2222 Health Alterations III **Credit Hours: 3**
This course is designed to provide the student with the knowledge necessary to implement the nursing process on patients with cardiopulmonary dysfunction throughout the life cycle. The focus is the pathophysiology, common medical, diagnostic and treatment modes, nursing assessments and interventions necessary to treat those patients. The students will be responsible for reviewing anatomy and physiology, pharmacology, pediatric and psychiatric principles as they apply to this course.

NUR2222L Health Alterations III Clinical Laboratory **Credit Hours: 2**
In this course the student will be responsible for applying the nursing process to assigned patients with alterations in cardiopulmonary functioning. This experience will require both clinical and written assignments. Evaluation will be based on the application of the nursing process to assigned patients.

NUR2801 Transition Nursing IV **Credit Hours: 3**
This theoretical course for the LPN covers the following concepts: leadership, team management, legal ethical situations, problem solving techniques, interviewing techniques and emergency nursing.

NUR2801L Transition Nursing IV Clinical Laboratory **Credit Hours: 2**
This course for the LPN provides clinical opportunities to develop leadership skills, team management skills, and legal, ethical responsibilities.

NUR2811 Trends, Practices, and Roles **Credit Hours: 3**
This course is designed to provide the knowledge necessary to move from the role of a student to that of a graduate nurse. The focus is directed toward the legal, ethical and professional responsibilities of the nurse in managerial and coordinating roles.

NUR2811L Trends, Practices, & Roles Clinical Laboratory **Credit Hours: 2**
This course is designed to provide the student with the knowledge necessary to implement the nursing process on patients with cardiopulmonary dysfunctions throughout the life cycle. The focus is the pathophysiology, common medical, diagnostic and treatment modes, nursing assessments and interventions necessary to treat those patients. The students will be responsible for reviewing anatomy and physiology, pharmacology, pediatric and psychiatric principles as they apply to this course.

NUR3069 Advanced Health Assessment **Credit Hours: 2**
Advanced health assessment addresses the totality of the client including the spiritual aspects of health, disease/ disability, and the individual client's perceptions of the health/illness spectrum. The determination of the health/illness status of the client within the context of the client's socio-cultural values is essential in providing the framework for planning, implementing, communicating, and evaluating the outcomes of care. This course provides the knowledge, skills, interviewing and interactive techniques needed to obtain and communicate a systematic, culturally-appropriate, comprehensive health history and physical examination.

NUR3069L Advanced Health Assessment Laboratory **Credit Hours: 1**
The Advanced health Care Assessment addresses the totality of the client including the spiritual aspects of health, disease/disability, and the individual client's perceptions of the health/illness spectrum. The determination of the health/illness status of the client within the context of the client's socio-cultural values is essential in providing the framework for planning, implementing, communicating, and evaluating the outcomes of care. This laboratory course provides the knowledge, skills, interviewing and interactive techniques needed to obtain and communicate a systematic, culturally-appropriate, comprehensive health history and physical examination.

NUR3119 Nursing Concepts and Theories **Credit Hours: 3**
The profession of nursing is the culmination of concepts and theories. Concepts and theories are the body of knowledge used to support nursing practice. Nursing recognizes that socialization into a discipline is guided by theories' use of language, identification of concepts and definition of relationships, structured ideas and facilitation of disciplined inquiry, practice and communication, as well as predicting outcomes of nursing practice. The Nursing Concepts and Theories course will explore the major constructs, theories, and models that form the foundation of nursing. The course will also investigate the history and evolution of nursing leaders, evolving issues, concepts, and theories, and their application to nursing practice.

NUR3167 Nurse as a Scholar **Credit Hours: 3**
Present aspects of scholarship that support the values of the nursing profession committed to both social relevance and scientific advancement. The practice of nursing derives knowledge from a wide array of other fields and

disciplines adapting and applying this knowledge as appropriate to professional practice. This course examines these interrelationships and allows the nurse to utilize scholarly evidence to design and implement nursing care that is high-quality and cost effective to address issues important to the profession of nursing to question assumptions, and to utilize clinical reasoning and judgment.

NUR3678 Nursing Care of Vulnerable Populations **Credit Hours: 3**
Caring for the vulnerable is imperative for the compassionate, caring, effective and competent nurse. This course focuses on health issues affecting at-risk and vulnerable populations and how nurses can advocate reducing disparities in health care systems and health care delivery. The course emphasizes the inter-relationships of socio-cultural and public health care systems. Barriers to the navigation and utilization of health care systems are explored as related to the economical, legal, political and cultural aspects of health protection and health maintenance.

NUR3805 Nursing, Roles, Dimensions, & Perspectives **Credit Hours: 3**
The discipline of Nursing has been identified as having the potential for making a major impact on the trans-formation of health care delivery to a safer, quality, and more cost effective system, thus improving healthcare outcomes across populations. This course facilitates the transition of the Registered Nurse with an Associate Degree in Nursing or diploma to the role of the BSN graduate. It encompasses the history, evaluation, ethical imperatives, trends and issues impacting the nursing profession in evolving and global health delivery environments. It explores the responsibilities and values of the nursing profession, communication theories and techniques, teaching learning concepts, critical thinking and clinical reasoning and judgment.

NUR4128 Pathophysiology/Pharmacology **Credit Hours: 3**
This course provides the student with the basic understanding of pathophysiology related to human illness and pharmacotherapy related to the application of drugs for the purpose of disease prevention and treatment, within a systems framework. Emphasis is placed on biological theories and principles that provide a basis for understanding pathophysiology as an alteration in the normal physiology functioning of subsystems from conception to end of life and the chemical agents that are capable of producing biologic responses within the body. The course uses critical thinking processes to analyze diverse client presentations of selected illness for symptomatology, pathophysiology, and health care implications.

NUR4165 Nursing Research **Credit Hours: 3**
This course explores the research process and allows the student to apply research methods relevant to nursing and nursing practice. Emphasis is placed in the legal, ethical, socio-cultural, economic and political implications of research in nursing and health care. Evidence-based practice is emphasized in guiding nursing practice.

NUR4195 End of Life **Credit Hours: 3**
This course is designed to recognize death as the last stage of human growth and development. With a focus on the physical, emotional, psychosocial, spiritual, and cultural considerations at the end-of-life, the student will explore ethical and legal issues to enhance their skills and knowledge when working with patients and families at the end-of-life. Departmental approval is required to enroll.

NUR4284 Dynamics & Contemporary Issues in Aging **Credit Hours: 3**
The aging population will affect the skills and services the healthcare workforce must be equipped to provide and the settings in which the care is provided. This course will provide an in-depth understanding of the concepts in normal aging, issues related to the client in communities, and health care issues confronted by the elderly. The impact of the elderly on society, end-of-life issues, the application of current theories and evidence of elderly, and available and potential health care systems and services are explored.

NUR4636 Community Health Nursing **Credit Hours: 3**
The community based nurse cares for clients from many diverse cultures and must be prepared to give quality, effective, and culturally competent health care in a variety of settings and specialties. This course focuses on the role of the nurse in the community and emphasizes concepts and theories related to community health nursing. Community nursing addresses cultural, social, and epidemiological factors relative to health and illness, health promotion and disease prevention across the lifespan and families of diverse populations.

NUR4636L Community Health Nursing Practicum **Credit Hours: 2**

This course presents clinical concepts of community health nursing focusing on the community as client and the multiple determinants of health in community health settings. The learner will participate in selected community based clinical activities and various community agencies as an interdisciplinary provider, designer and manager in the process to provide competent care, promote health protection, provide assistance with health maintenance and health restoration to a diverse population within the community.

NUR4667 Nursing Perspectives & Global Trends **Credit Hours: 3**

This course examines the knowledge and skills of baccalaureate nursing students' perspectives on global health trends. This information helps to facilitate the awareness and knowledge of increased globalization affecting health care and its delivery. The incorporation of ethical considerations and cultural sensitivity into nursing practice has become a greater need as a result of an increasingly diverse, multicultural, globally oriented world. Information covering the overall socio-political and economical health care environment changes occurring in the 21st century health care system is addressed.

NUR4826 Ethical & Legal Aspects of Nursing **Credit Hours: 3**

This course focuses on the ethical and legal aspects of nursing; exploring ethical issues, ethical decision making, and legal accountability in various populations.

NUR4827 Principles of Nursing Leadership & Management **Credit Hours: 3**

This course provides a forum for the examination and discussion of concepts, theories, and principles of leading and managing for the nurse manager to be effective in today's diverse and global health care environment. Grounded in evidence-based, best practices, the ethical, economic, legal and political context of contemporary health systems are examined in terms of role development, interpersonal skills, networking, facilitation of groups, provision of quality care and quality improvement, budgeting and resource allocation. Health care systems, outcomes management, clinical judgment as it pertains to nursing management, and health and safety goals are emphasized across practice settings.

NUR4870 Nursing Informatics **Credit Hours: 3**

This course is designed to explore the use of informatics in nursing practice and its role in enhancing client care to provide quality patient outcomes. The course provides an overview of various operating systems, hardware, software and network configurations. With a focus on health information systems and the electronic health record; the course also examines issues related to the protection of the privacy, confidentiality and security of information in health care environments and the potential use of social networking tools used to communicate health related information.

NUR4945 Nursing Capstone **Credit Hours: 2**

Professional practice of the Registered Nurse focuses on health promotion; risk reduction; direct and indirect care of clients, families, groups, and populations; and providing the human interface between health care systems and the client. Following the completion of all required RN-BSN, general education, state of Florida and program pre-requisite course requirements, the Nursing Capstone requires the student to demonstrate the competencies consistent with program outcomes and to synthesize the knowledge, skills, concepts and theories he/she has attained in a written and approved professional portfolio.

NUR4945L Nursing Capstone Practicum **Credit Hours: 2**

Professional practice of the Registered Nurse focuses on health promotion; risk reduction; direct and indirect care of clients, families, groups, and populations; and providing the human interface between health care systems and the client. Following the completion of all required RN-BSN, general education, state of Florida and program pre-requisite course requirements, the Nursing Capstone Practicum requires the student to demonstrate the competencies consistent with program outcomes.

OCE1001 Introductory Oceanography **Credit Hours: 3**

A survey of the four classic disciplines of the ocean sciences: geological oceanography, chemical oceanography, physical oceanography, and biological oceanography. Course will focus on the basic principles of the ocean sciences and stress the interdisciplinary nature of oceanography.

OCE1001L Oceanography Laboratory **Credit Hours: 1**
Laboratory methods for the Ocean Sciences. The topics covered will include problem solving in all aspects of ocean science to understand how the hydrosphere, lithosphere, biosphere and atmosphere of our planet functions and interacts and demonstrate a basic understanding of the unifying principles and processes that link geology, chemistry, physics, meteorology and biology to the study of the world ocean.

OCE3008 Advanced Oceanography **Credit Hours: 3**
Oceanography is an interdisciplinary science course which considers the biological, physical, and chemical components and processes within the earth's oceans. Topical sections include: the history and processes (plate tectonics) which have shaped ocean basins; the ocean constituents (seaweather & sediments); physical processes which drive circulation processes (currents, waves, & tides); life in the oceans play in controlling global climate; and environmental concerns. The course will emphasize oceanographic processes and their effects on the global system.

OCE3064C Marine Conservation & Restoration Biology **Credit Hours: 3**
Marine and coastal habitats provide direct and indirect benefits to humans. Conservation and restoration of these habitats is of vital importance to human health and well-being. Emphasis on policy and restoration field techniques to conserve and restore these habitats will be highlighted. Unit 8 will be covered with one or more of the remaining units covered based on faculty expertise.

OPT1110 Physical & Geometric Optics **Credit Hours: 3**
This course provides a foundation of mathematical ophthalmic concepts involving light energy as it passes through air, plastic, glass and water with emphasis on how light is modified by prisms and curved lens surfaces. These principles relate to the effect these ophthalmic devices have in correcting refractive errors of human eye.

OPT1110L Physical & Geometric Optics Laboratory **Credit Hours: 1**
This course provides the opportunity for students to demonstrate, measure and explore the behavior of light energy as it passes through prisms and curved lens surfaces. Students will demonstrate the principles of ophthalmic devices and how they correct the errors of human vision.

OPT1150 Ophthalmic Lenses **Credit Hours: 2**
Characteristics of single vision, multifocal, and free form lens design for proper lens selection to meet the visual needs of patients. Emphasis is placed on accurate positioning of the optical centers and selected multifocal addition design. ANSI and F.D.A. standards; prescription ordering; verification procedures; and absorptive lenses are presented. Low vision devices and occupational specialty lenses will be discussed.

OPT1150L Ophthalmic Lenses Laboratory **Credit Hours: 2**
This course provides the opportunity for students to gain hands on experience in the accurate positioning of the optical centers and selected multifocal addition designs. ANSI and F.D.A. standards, prescription ordering and verification procedures will be applied to patient jobs. Emphasis will be placed on the use of the manual and automated Lensometer. Fitting of low vision devices and occupational specialty lenses will be discussed.

OPT1210 Anatomy & Physiology of the Eye **Credit Hours: 3**
This course provides a review of the structure and function of the systems of the human body, emphasizing the anatomy of the human eye. Visual recognition of common eye disorders and refractive disorders are discussed.

OPT1330 Orientation to Vision Care **Credit Hours: 2**
This course reviews the techniques needed in a clinical environment for the collection of patient case history, visual acuity, basic visual skills ocular motility and accommodation, color discrimination, depth perception and binocular fusion. Medical terminology and Health Core standards are reviewed.

OPT1450 Ophthalmic Dispensing **Credit Hours: 2**
This course reviews the theory and terminology of ophthalmic frame materials, multifocal lenses, including progressive power and occupational bifocals and high index lenses. The process of analyzing the patient's prescription and identifying the patient's specific visual needs for the proper frame and lens selection is highlighted.

OPT1450L Ophthalmic Dispensing Laboratory **Credit Hours: 2**
This course provides the opportunity for students to practice ophthalmic dispensing. Measurement and adjusting ophthalmic frame materials, multifocal lens, occupational bifocals, high index lenses and low vision devices will be emphasized. The process of analyzing the patient's prescription and identifying the patient's specific visual needs for the proper frame and lens selection is highlighted.

OPT2060 Ophthalmic Management Policy & Procedures **Credit Hours: 3**
This course provides a review of procedures and terminology in correspondence, legal and ethical principles, inter- and intra-professional relationships, and retail office management. The history of opticianry, optometry and ophthalmology is traced. Special emphasis is on a comprehensive review of the curriculum. The student will be required to present oral and written reports.

OPT2090 Orientation to Vision Care Clinic **Credit Hours: 1**
This course provides an introduction to the Broward College Vision Care Clinic. Students will apply technical skills acquired in previous course work. Recording of clinical date, administrative procedures and techniques in patient handling under the close supervision of clinic instructors and 5th semester students.

OPT2375 Refractometry **Credit Hours: 2**
This course reviews the theory and terminology used in determining the powers of corrective lenses in relation to a patient's refractive error. Emphasis will be placed on the phoropter, retinoscope, and automated refraction instruments. Problems associated with the change in refractive powers will also be discussed.

OPT2420 Eyewear Fabrication I **Credit Hours: 1**
This course presents a review of the theory of ophthalmic surfacing and finishing procedures. Students acquire knowledge to arrange single vision and multifocal lenses, use sensometers and lens clocks, operate project-o-markers for lens layout, select or fabricate frame patterns, and utilize several systems for surfacing and edging lenses for ophthalmic frames.

OPT2420L Eyewear Fabrication I Laboratory **Credit Hours: 2**
In this laboratory course students will gain practical experience in ophthalmic surfacing and finishing procedures. Students will fabricate single vision and multifocal lenses, use lensometers and lens clocks, operate project-o-markers for lens layout, select or fabricate frame patterns, and utilize several systems for surfacing and edging lenses for ophthalmic frames.

OPT2421 Eyewear Fabrication II **Credit Hours: 1**
Advanced techniques in measurement, fabrication and verification of single vision and multifocal lenses. Theory of ophthalmic surfacing and finishing procedures from written specifications ensuring that current ANSI and FDA standards are exceeded.

OPT2421L Eyewear Fabrication II Laboratory **Credit Hours: 3**
Laboratory for OPT2421. Students will fabricate eyewear for the patients of the Vision Care Clinic using advanced techniques in measurement, fabrication and verification of single vision and multi-focal lenses. Advanced techniques in the operation and maintenance of manual and computerized equipment.

OPT2460 Ophthalmic Dispensing Clinic I **Credit Hours: 2**
Development of skills in the fitting and dispensing of ophthalmic lenses. Students will work under the close supervision of clinical staff in dispensing glasses to patients of the Vision Care Clinic. Emphasis will be placed on techniques used to dispense new technology in ophthalmic frame materials; multifocal lenses including progressive power and occupational bifocals; and high index lenses. The process of analyzing the patient's prescription and identifying the patient's specific visual needs for proper frame and lens selection is highlighted.

OPT2461 Ophthalmic Dispensing Clinic II **Credit Hours: 3**
This is a continuation of OPT2460. It involves advanced skills in the fitting and dispensing of ophthalmic lenses.

Students will work under the supervision of clinical staff in dispensing glasses to patients of the Vision Care Clinic. Students will practice advanced techniques used to dispense new technology in ophthalmic frame materials, multifocal lenses including progressive power and occupational bifocals, high index lenses, and low vision devices.

OPT2500 Contact Lens Theory **Credit Hours: 2**
This course provides a review of the theory and terminology of contact lenses including fitting, application and removal procedures, care of soft and hard lenses, verification of contact lens prescription and "in-office" modification of contact lenses.

OPT2500L Contact Lens Theory Laboratory **Credit Hours: 2**
This course provides a review of the practical procedures used to apply technical skills of contact fitting, application and removal procedures, care of soft and hard lenses, verification of contact lens prescription and "in-office" modification of contact lenses.

OPT2800L Vision Care Clinic I **Credit Hours: 2**
This course provides a review of the practical procedures used to apply technical skills of contact fitting, application and removal procedures, care of soft and hard lenses, verification of contact lens prescription and "in-office" modification of contact lenses.

OPT2830L Contact Lens Clinic I **Credit Hours: 2**
Assist eye care specialists in the fitting and follow-up care of rigid and soft contact lenses for patients referred from the Vision Care Clinic. Familiarization with over-refraction, instructions for lens handling, cleaning, care and storage, and basic contact lens pathology.

OPT2831L Contact Lens Clinic II **Credit Hours: 2**
This course involves the use of contact lens instruments to confirm all parameters for replacement lenses. Particular attention is given to the patient who is having problems with contact lenses after long-term wear due to corneal changes and sensitivity to solutions. Advanced over-refraction and contact lens fitting
procedures are practiced.

OPT2875 Ophthalmic Dispensing Practicum I **Credit Hours: 2**
In this laboratory course students will fabricate eyewear for the patients of the Vision Care Clinic using advanced techniques in measurement, fabrication and verification of single vision and multifocal lenses. Advanced techniques in the operation and maintenance of manual and computerized equipment.

OPT2876 Ophthalmic Dispensing Practicum II **Credit Hours: 2**
This is an externship in an approved retail ophthalmic dispensing establishment involving frame styling, ordering of appropriately designed lenses, adjustment, repair and dispensing of eyewear. The student will gain a working knowledge of administrative management procedures of the practice.

OPT2879 Refractometry Practicum **Credit Hours: 2**
Practicum for OPT2375. Practical procedures used in determining the powers of corrective lenses in relation to a patient's refractive error. The student will learn to use the Phoropter, retinoscope, and automated refraction instruments in determining the patient's subjective and objective refraction. Problems associated with the change in refractive powers will be demonstrated.

ORH2527 Florida Flora & Ecosystems Landscapes **Credit Hours: 3**
This is an introductory environmental science course designed to teach students plant ID and environmental aspects of Florida's diverse ecosystems.

ORH4256 Nutritional Monitoring & Management **Credit Hours: 3**
This course is designed to teach students the techniques for determining, interpreting, and managing the nutritional status of landscape and container grown greenhouse and nursery crops. Upon successful completion of this course, students will be able to determine, interpret, and adjust: Water quality; Substrate physical parameters; Substrate chemical parameters; Irrigation practices; Fertilization practices.

OST1100C Keyboarding & Document Processing I **Credit Hours: 3**
This course offers an introduction to the keyboard with development of fundamental techniques, skill development, and business correspondence and document processing.

OST1103C Basic Keyboarding **Credit Hours: 1**
This course offers an introduction to the keyboard with development of fundamental techniques.

OST1257C Medical Terminology for the Administrative **Credit Hours: 3**
This course is designed to provide the student with an extensive study of medical terminology used in the various areas of the healthcare industry. Emphasis is placed on the building of medical terms from word parts.

OST1330 Business English **Credit Hours: 1**
This course provides a refresher course in punctuation and capitalization.

OST1355 Records Management **Credit Hours: 3**
Students will act as records managers in a simulated office utilizing computerized and paper management of records from planning, creation, filing, and retrieving to disposal according to ARMA principles. The student will learn and work with the basic legal requirements (such as Privacy Act and Freedom of Information Act) for the release and safekeeping of information and the laws and regulations regarding the management of such records.

OST1795 Telecommunications **Credit Hours: 1**
A hands-on course utilizing the Internet. Course topics include telecommunications terminology, the use of the world wide web, bulletin boards, attachments, address books, bookmarks, search engines, history lists, browser programs and customizing the browser. E-mail etiquette, legal issues, and organizing and archiving e-mail are also investigated.

OST1811C Desktop Publishing **Credit Hours: 3**
This course provides hands-on applications with a popular desktop publishing package. Through the application of desktop publishing techniques, students plan, design and create documents. Effective typeface and use of graphics and color in a publication's design and function are also covered.

OST2053 Successful Job Search **Credit Hours: 1**
This course presents a hands-on, interactive study of interview and employability skills and focuses on the keys to career success.

OST2335 Communications in the Workforce **Credit Hours: 3**
This course is designed to help students communicate more effectively. Students will practice analyzing, planning, managing, and executing both written and oral presentations. Special focus includes grammar and all types of business documents to ensure appropriate content and structure.

OST2455C Medical Billing and Coding I **Credit Hours: 3**
This course provides advanced skills needed to work in a variety of medical billing and coding positions in the medical field. In-depth study of the various areas of medical billing/coding, workers' compensation, reimbursement, and appeal are presented.

OST2456C Medical Billing & Coding II **Credit Hours: 3**
This course provides extended knowledge and skills needed to work in a variety of medical billing and coding positions in the medical field. Topics include medical coding, medical claims, medical billing, accounts receivable, and medical management software.

OST2464C Medical Office Computer Application **Credit Hours: 3**
This course prepares a medical office assistant to work in a health care practice utilizing computerized medical office management software. It provides training for input of new patient entry, posting procedures and payments, insurance billing, appointment scheduling, file maintenance with support files, and generating the daily, end-of-month, and end- of-period reports which are performed in a medical office.

OST2501 Office Management **Credit Hours: 3**

This course is a study of the skills needed by the office professional in the workforce. It includes technology, the global economy, increased diversity, teamwork, and the changing skills and nature of work demanded in the workforce. The efficient handling of office matters, such as scheduling appointments, customer/client relations, managing office operations, processing mail and correspondence, communication, e-mail etiquette and effectiveness, coordinating meetings/travel, planning and managing an event budget, and career planning and advancement are covered.

OST2764C Advanced Word **Credit Hours: 3**

This course will provide specialized training on advanced word processing concepts and techniques. The major emphasis of this course will be the formatting of characters, paragraphs and documents, managing text flow, graphics, advanced table features, reference tools, mail merge and macros, and customizing Word. The skills developed by students completing this course will help prepare them for the Microsoft Certified Application Specialist (MCAS) exam.

OST2852C Database Management for the Office **Credit Hours: 3**

Course prepares students to solve business problems by moving beyond the basic skills to think critically about realistic business situations using database management.

OST2949 Co-Op Work Experience **Credit Hours: 3**

A course designed to provide training in a student's field of study through work experience. Students are graded on the basis of learning objectives and employer evaluations.

PAD2002 Introduction to Public Administration **Credit Hours: 3**

This introductory course examines the governmental context of public administration including political values, bureaucratic politics, leadership and inter-governmental relations; organizational theory including decision making and organizational structure; and the administrative process including public personnel administration, budgeting, policy making and governmental regulation. The objective of this course is to provide the student with an overview of public administration with an emphasis on the political context.

PCB3023 Molecular & Cellular Biology **Credit Hours: 3**

A study of cell structure and function with emphasis on the properties of intracellular organelles and their molecular constituents. Includes photosynthesis.

PCB3063 Genetics **Credit Hours: 3**

Fundamental properties of inheritance in eukaryotic organisms emphasizing examples in man. Basic concepts are developed for the nature, organization, transmission, expression, recombination, and function of genetic materials and principles are derived for genetically characterizing populations.

PCB3063L Genetics Laboratory **Credit Hours: 1**

Fundamental properties of inheritance in eukaryotic organisms emphasizing examples in man. Basic concepts are developed for the nature, organization, transmission, expression, recombination, and function of genetic, materials, and principles are derived for genetically characterizing populations.

PCB3401C Wildlife Ecology & Management **Credit Hours: 3**

This course is designed to consider wildlife as a natural resource with an emphasis on principles of ecology, conservation and management. Time will be taken in this course to discuss wildlife management issues and opportunities in Florida habitats. The course is intended for students with interests in biology, environmental studies, and/or interdisciplinary natural sciences. Permission of instructor.

PCB4043 Introduction to Ecology **Credit Hours: 3**

This course is an introduction to ecological principles covering physiological, behavioral, population, community, ecosystem, landscape and global ecology. This course examines the integrated working of nature at all levels, from atoms and molecules to global cycles that sustain life on earth. The ecology of individuals is examined, in the realm of physiological ecology and in the adaptations of organisms to the abiotic factors of the environment.

PCB4303 Freshwater Ecosystems **Credit Hours: 3**
An interdisciplinary approach to examination of inland waters including lakes, streams, marshes and swamps. Emphasis on the biotic, chemical and geological components of these aquatic ecosystems.

PCB4341C Advanced Biological Field Techniques **Credit Hours: 3**
Emphasis on techniques used in Biological field work. Units 1-3 will be covered with one or more of remaining units covered based on faculty expertise.

PCB4454C Biostatistics with Laboratory **Credit Hours: 4**
Biostatistics instructs students in statistical procedures for analysis of biological data. Students will organize and summarize biological data, develop, and test appropriate hypotheses, explain and apply common statistical tests, and use statistical software to analyze data.

PEL1041C Recreation Activities **Credit Hours: 2**
An overview of outdoor and indoor games and activities for various age groups in a recreational setting.

PEM1116 Functional Wellness **Credit Hours: 2**
Functional Wellness emphasizes the importance of knowledge, attitudes, and practices relating to personal wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal wellness including physical, social, emotional, intellectual, spiritual and environmental wellness. This course integrates personal wellness and fitness in both a classroom and exercise environment, and may include Pilates, yoga, functional training, spinning and basic training. Evolving current topics such as nutrition, disease prevention, stress reduction, exercise prescription, and environmental responsibility are integrated to enable the student to understand the lifelong effects of healthy lifestyle choices. This is an International/Intercultural competency course.

PEM1121 Beginning Yoga Exercises **Credit Hours: 1**
Students will learn proper exercise, relaxation and balance of both the body and mind. A holistic approach to health and stress management is emphasized. Coeducational.

PEM1131 Weight Training **Credit Hours: 2**
A course primarily designed and organized for students of all ages to optimize their wellness in each of the following six interrelated dimensions: physical wellness; intellectual wellness; emotional wellness; spiritual wellness; interpersonal/social wellness; environmental/planetary wellness. Students will learn how to assess and apply this information to their lives in order to contribute to the welfare of the community and environment with a specific emphasis on resistance training methods and techniques. This is an International/Intercultural competency course.

PEM1141 Aerobic Wellness **Credit Hours: 2**
Aerobic Wellness emphasizes the importance of knowledge, attitudes, and practices relating to personal wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal wellness including physical, social, emotional, intellectual, spiritual and environmental wellness. This course integrates personal wellness and fitness in both a classroom and exercise environment. Students will incorporate and apply concepts of aerobic exercise and healthy living in ways that will contribute to the welfare of the community and the environment. This is an International/Intercultural competency course.

PEN1121 Beginning Swimming **Credit Hours: 1**
Coeducational.

PEN1171 Aquatic Wellness **Credit Hours: 2**
Aquatic Wellness emphasizes the importance of knowledge, attitudes, and practices relating to personal wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal wellness including physical, social, emotional, intellectual, spiritual and environmental wellness. This course integrates personal wellness and fitness in both a classroom and exercise environment. Students will incorporate and apply concepts of aquatic exercise and healthy living in ways that will contribute to the welfare of the community and the environment. This is an International/Intercultural competency course.

PEN1231 Beginning Basic Sailing **Credit Hours: 1**
The basic course includes certain fundamentals and techniques of Seamanship and Sail handling as would be necessary for the safe, enjoyable use of a sailboat. Coeducational.

PEN1241 Windsurfing **Credit Hours: 1**
This basic course includes the fundamentals and techniques of handling a Windsurfing Board that are necessary for safe and enjoyable use in this activity. Coeducational.

PEN2122 Intermediate Swimming **Credit Hours: 1**
Coeducational.

PEN2136 Scuba Diving **Credit Hours: 1**
This course offers competencies for the PADI basic SCUBA course. Students will learn fundamental skills of snorkeling and scuba diving, as well as theories and knowledge for safe diving. This course does include open water dives required for National Certification. Student must furnish their own mask, snorkel, scuba fins and PADI Open Water Crew Pack (wet suit is optional). The course will meet at Tigertail Lake.

PEO1011C Team Sports & Activities **Credit Hours: 2**
An overview of team sports and activities. Concepts appropriate for a variety of ages.

PEO1031C Individual Sports & Activities **Credit Hours: 2**
An overview of individual sports and activities concepts appropriate for a variety of ages.

PET1303 Foundations of Exercise Science **Credit Hours: 3**
This course is designed to provide a foundational knowledge base which is common to all the different areas of fitness leadership. The didactic instruction lays the groundwork required by the fitness professionals in order to be analytical in their approach to safe and effective exercise programming for the public. Course content is heavy in the areas of anatomy and physiology as well as kinesiology, the science of human movement.

PET2622C Care/Prevention/Athletic Injuries **Credit Hours: 2**
Develops competence, knowledge and skill in the prevention and care of athletic injuries. Understands physical conditioning, nutrition and types of exercises. This course does not lead to certification of athletic training. It does not lead to any license nor does it lead to preparation of certification. This is a basic course in prevention of injuries.

PGY1801C Photoshop Design **Credit Hours: 3**
This is a graphic design course formulated to develop skills in digital imaging. Students will learn through the use of the computer how to create, edit and manipulate digital images from scanned photographs and artwork. Students will utilize retouching technique to modify, enhance and reshape images, apply special effects, adjust color balance, manage files, and prepare their work for print output and web/electronic presentation. The class is portfolio driven, training students to follow a business process for analyzing client needs, conducting research and developing a concept for production within a budget.

PGY1802C Digital Photography **Credit Hours: 3**
This is a Graphic Design course formulated to develop skills with a digital camera. Students will learn through the use of a digital camera how to take photographs for use in the designs they create for print, web and multimedia. Students will learn to properly expose, compose, and use effective lighting in the making of photographs. The use of natural and artificial lighting will be used in portraiture, product and outdoor photography.

PGY2401C Photography I **Credit Hours: 3**
Basic procedures of black and white still camera work, developing, and printing. There will be an emphasis on intensifying visual perception and analysis of photographs as an Art form. (Students will supply 35mm camera, film, and paper).

PGY2404C Photography II **Credit Hours: 3**

This course is designed for the exploration of more advanced printing and shooting techniques. The students will be required to understand and apply techniques in medium format cameras, large focus cameras and studio lighting in order to achieve a cohesive body of work. (The use of 35mm is also included).

PGY2800C Fine Arts Digital Photography **Credit Hours: 3**
This course has been designed for Visual Arts students, it will provide them with the necessary tools to understand the conceptual, visual, historical, and cognitive arguments needed to create a cohesive and personal body of work. The students will learn Fine Arts Digital Photography through the use of digital cameras, film scanners and photo editing software. It will be hands-on learning experience. Critiques will be the forum where students present their ideas and discuss/verbalize concepts dealing with content and form. Critiques are mandatory and will be a group experience.

PGY2905 Independent Study: Photography **Credit Hours: 3**
A directed, independent study course available to both majors and non-majors who wish to investigate a particular problem. During this course students will be asked to produce a cohesive body of work, technically and conceptually resolved.

PHI1100 Introductory Logic **Credit Hours: 3**
Study of the principles and evaluation of critical thinking including identification and analysis of fallacious, as well as valid reasoning. Traditional and symbolic logic will be considered and foundations will be laid for further study in each area. This is a writing credit course. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

PHI2010 Introduction to Philosophy **Credit Hours: 3**
This course is an introduction to the nature of philosophy, philosophical thinking, major intellectual movements in the history of philosophy, and specific problems in philosophy. The relationship between philosophy, society, religion, and culture will be examined. This is a writing credit course with International/Intercultural content course. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

PHI2600 Introduction to Ethics **Credit Hours: 3**
This course is an introduction to the nature of ethics, ethical theories, and specific ethical issues. Introduction to Ethics is a writing course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

PHI2930 Special Topics: Philosophy **Credit Hours: 3**
Course centers around topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester. Topics will be identified by the PHI2930 course title published in the course schedules for each term that the course is offered. Special Topics credit hours are not automatically transferable.

PHT1020 Therapeutic Communication for the PT Assistant **Credit Hours: 2**
An overview of effective communication skills and concepts regarding successful therapeutic interactions will be presented. Students will participate in several interactive sessions to become familiar with team building, verbal and non-verbal communication requirements, effective listening concepts, and conflict management to determine how to manage clinical situations as they arise. Cultural diversity is discussed. Students are responsible for developing an in-service presentation as a means of enhancing effectiveness of communication.

PHT1103 Anatomy for the PT Assistant **Credit Hours: 2**
Course introduces basic human anatomy with an emphasis on the structure and function of the skeletal and muscular systems. Actions, origins, insertions and innervations of muscles are discussed. Surface anatomy is presented with an introduction to basic palpation.

PHT1103L Anatomy for Physical Therapist Assisting Laboratory **Credit Hours: 1**
Laboratory sessions for Anatomy for PTA (PHT1103) are designed to provide the students with an opportunity to identify, with accuracy, a variety of bones, bony landmarks, muscles, ligaments and other soft tissue structures using graphics and various anatomical specimens/models. Basic palpation skills are developed. Practical examinations are completed.

PHT1200 Introduction to Physical Therapy **Credit Hours: 3**

Course introduces the student to the historical background, philosophy and goals of physical therapy as a profession. It incorporates discussion on legal and ethical issues, educational requirements, supervisory relationships and current developments related to physical therapy. Health care delivery systems, the medical record and issues of reimbursement are discussed. Presents the basic theory of preparing the patient and the treatment area, positioning and transferring techniques, gait training, and wheelchair prescription. Professional behaviors are introduced.

PHT1200L Introduction to Physical Therapy Laboratory **Credit Hours: 1**

Laboratory sessions for Introduction to Physical Therapy (PHT1200) are designed to allow the students an opportunity to familiarize themselves with the basic fundamentals of patient care. Emphasis is on body mechanics analysis, positioning procedures, transfer training, gait training, basic patient preparation skills, and other common physical therapy interventions. Case studies of various medical conditions with emphasis in these areas are completed. Data collection relative to the course content as well as patient and caregiver education are emphasized. Practical examinations are completed.

PHT1211 Disabilities & Therapeutic Procedures I **Credit Hours: 3**

Course introduces the student to the theories and practical applications of physical therapy modalities. The physiologic effects,indications/contraindications, and intervention parameters of patient care interventions such as heat, cold, ultrasound, electrotherapy, traction, compression, hydrotherapy, and massage are presented. Principles of effective documentation and data collection are discussed. Case study analysis requires the student to apply clinical decision-making supported by rationales to determine appropriate modality interventions.

PHT1211L Disabilities & Therapeutic Procedures I Laboratory **Credit Hours: 2**

Laboratory sessions for Disabilities & Therapeutic procedures (PHT1211) are designed to develop student skills in the actual performance of the patient care interventions presented. Skills in massage are developed. Practical application of each intervention is emphasized with patient simulations and case studies enhancing the ability to understand a plan of care for a patient. Professional behaviors, at the intermediate level, are assessed. Data collection relative to the course content as well as patient and caregiver education are emphasized. Skill checks as well as competency evaluations are completed. Students are expected to demonstrate competency in carrying out an appropriate therapeutic modality plan of care, including effective documentation.

PHT1300 Survey of Pathological Deficits **Credit Hours: 3**

Course introduces the student to general pathological conditions with emphasis on those commonly seen in the field of physical therapy. Basic system anatomy is reviewed with an emphasis on the pathophysiology of disease. Descriptions of how diseases are classified and the natural course/prognosis of these diseases are presented. Implications of disease processes, etiology, signs and symptoms, diagnostic testing, contraindications/precautions and treatment are discussed for each pathology presented in the course. When relevant, specific physical therapy plans are discussed. The effects of disease across the lifespan and in general are considered.

PHT1310 Survey of Musculoskeletal Deficits **Credit Hours: 2**

Course introduces student to general pathological conditions with emphasis on those commonly seen in the field of physical therapy as they relate to the musculoskeletal systems. Descriptions of how musculoskeletal diseases are classified, diagnosed and treated, as well as the natural course/prognosis of these diseases are presented. Implications of disease processes, etiology, signs and symptoms, diagnostic testing, contraindications/precautions and treatment are discussed for each pathology presented in the course. The effects of aging upon disease and in general are considered.

PHT1350 Basic Pharmacology for PT Assistants **Credit Hours: 1**

Course introduces concepts of basic pharmacology and presents pharmacological agents dispensed for conditions commonly seen in physical therapy. Drug responses and interactions as they relate to patient response are discussed.

PHT1801L Clinical Practice I **Credit Hours: 2**

Course involves student assignment to a local clinical facility. Includes scheduled class meetings to discuss clinical performance objectives, the self-appraisal process, and overall requirements for this novice-level practicum.

Discussions also include professionalism, attitudes, patient rapport, sexual harassment, etc. A journal report of clinical experiences and an article review are required. Weekly online discussion forums facilitate critical thinking, peer review, and managing clinical situations at the novice-level. Students attend a personal conference with the academic coordinator of clinical education to discuss progress and to identify areas of strength/weakness with appropriate target dates methods of amelioration, if needed. Students receive a satisfactory/fail grade.

PHT2120 Applied Kinesiology **Credit Hours: 3**

This course is designed as part of a continuum in the application of anatomy to facilitate student analysis of functional movements with specific focus on the relationship between joint structure and function. Principles of biomechanics as it relates to human movement will be reviewed. Normal and pathological gait patterns are presented as well as normal and pathological movement patterns of the head, spine, pelvis, UE, and LE. Special tests which help identify specific deficits will be discussed. Case studies of various functional impairments with an emphasis on functional task analysis as well as therapeutic interventional approaches which help restore function are presented. Orthotic interventions for the spine and extremities are discussed with an emphasis on correcting pathological biomechanics.

PHT2120L Applied Kinesiology Laboratory **Credit Hours: 1**

Laboratory sessions for Applied Kinesiology (PHT2120) are designed to provide opportunities for the students to practice the skills of analyzing normal and pathological gait, along with normal and abnormal movements of the head, spine, pelvis, UE and LE. Performance of special tests will be practiced. Palpation of surface anatomy and review of anatomical/bony landmarks occurs. Through completion of Laboratory activities and case studies, the student correlates patient problems to various pathologies with their deficits in functional activities and gait. Therapeutic interventional approaches which include progression will be developed to address functional deficits. Orthotic interventions for the spine and extremities are applied with an emphasis on correcting pathological biomechanics.

PHT2162 Survey of Neurological Deficits **Credit Hours: 3**

Course introduces the etiology, pathophysiology and symptoms of common neurological diseases/conditions. Neurodiagnostic procedures are presented. Course introduces the etiology, pathophysiology and clinical manifestations of common neurological diseases/conditions including but not limited to cerebrovascular accidents, traumatic brain injuries, and spinal cord injuries. Basic neuroanatomy of the central and peripheral nervous systems

is reviewed. Reflex integration as well as normal growth and development are discussed. Online case studies in the form of Grand Rounds assignments of various neurological conditions are completed.

PHT2224 Disabilities & Therapeutic Procedures II **Credit Hours: 4**

Course introduces concepts of therapeutic exercise with regards to its principles, and objectives. The theory of and application of specific exercise regimes are presented. Principles of ROM, strengthening, and stretching techniques are presented. A basic introduction to goniometry and manual muscle training is presented as it pertains to the development of therapeutic exercise interventions. Professional behaviors, at the intermediate level, are assessed.

PHT2224L Disabilities & Therapeutic Procedures II Laboratory **Credit Hours: 2**

Laboratory sessions for Disabilities and Therapeutic Procedures II (PHT2224) are designed to provide the student with observation and actual application of therapeutic exercise in the laboratory setting. ROM, strengthening, and stretching techniques are practiced. Goniometry and manual muscle testing procedures are practiced as they relate to the provision of therapeutic exercise. Data collection relative to the course content as well as patient and caregiver education are emphasized. Practical examinations are completed. Students are expected to demonstrate competency in developing and carrying out an appropriate therapeutic exercise program including effective documentation.

PHT2704 Rehabilitation Procedures **Credit Hours: 3**

Advanced course designed to develop skill in and understanding of the underlying principles of advanced physical therapy plans of care including motor learning principles. Techniques presented include advanced therapeutic exercise programs (stroke, spinal cord injured, etc.) proprioceptive neuromuscular facilitation (PNF), Bobath and Brunnstrom. Amputations and principles of prosthetics are detailed with fitting and check-out procedures reviewed.

PHT2704L Rehabilitative Procedures Laboratory **Credit Hours: 1**

Laboratory sessions for Rehabilitative Procedures are designed for the students to practice the utilization of developmental postures in patient interventions as well as PNF, facilitation/inhibition techniques and other forms of advanced therapeutic exercise approaches. Stump wrapping and therapeutic management of prosthetic patients are practiced. Case studies of various medical conditions with emphasis on advanced therapeutic exercise approaches as well as application of prosthetic principles are completed. Data collection relative to the course content as well as patient and caregiver education are emphasized. Skill checks are completed. Students are expected to demonstrate competency in developing and carrying out appropriate interventions for a patient with neurological deficits. Professional behaviors, at the entry level, are assessed.

PHT2810L Clinical Practice II **Credit Hours: 5**

Course involves student assignment to local clinical facility. Includes scheduled class meetings to review clinical performance objectives, the self-appraisal process, and overall requirements for this intermediate level practicum. Class discussions are held to share and discuss experiences, patient care problems, learning styles, cooperative group participation, acceptance and implementation of constructive criticism, etc. A clinical journal and an in-service are required. Weekly online discussion forums facilitate critical thinking, peer review, and managing clinical situations at the intermediate level. Students attend a personal conference with the academic coordinator of clinical education to discuss progress and to identify areas of strength/weakness with appropriate target dates and methods of amelioration, if needed.

PHT2820L Clinical Practice III **Credit Hours: 5**

Course involves full time student assignment to a local clinical facility. Includes scheduled class meetings to discuss clinical performance objectives, the self-appraisal process, and overall requirements for this entry-level practicum. A clinical journal, a case study report and a research project are required. Class discussions are held to share and discuss experiences, patient care problems, readiness for the workplace, leadership responsibilities, professional growth, etc. Weekly online discussion forums facilitate critical thinking, peer review, and managing clinical situations at entry level. Students attend a personal conference with the academic coordinator of clinical education to discuss progress and to identify area of strength/weaknesses with appropriate target dates and methods of amelioration where necessary.

PHT2931 Transition Seminar **Credit Hours: 2**

A project-based seminar course that utilizes discussion and presentation to address content such as legal and ethical issues, interpersonal skill refinement, employment techniques, quality assurance, and career development. Discharge planning concepts are reviewed. Empathy for patients and enhanced understanding of the PT Assistant's responsibility to the community are explored through a community advocacy project. A capstone project is completed to assess entry-level preparation. The course also provides a comprehensive curriculum review and presents details on applying for licensure as students prepare for the transition to the work place. Professional behaviors, at entry-level, are assessed.

PHY1001 Applied Physics **Credit Hours: 3**

An introductory course in general physics outlining topics in mechanics, matter, magnetism, electricity, heat and wave phenomena. The course is intended for students in technical or vocational fields. The student will learn to analyze and solve problems using analysis in algebra and written composition projects.

PHY1001L Applied Physics Laboratory **Credit Hours: 1**

A laboratory which allows students to able to collect and analyze data in a variety of experiments covering topics covered in its companion course PHY1001L. Students will create experiment reports using analysis in algebra.

PHY2048 General Physics with Calculus I **Credit Hours: 4**

PHY2048 is part one of a comprehensive course in physics outlining mechanics, heat, and wave motion using analysis in calculus.

PHY2048L General Physics with Calculus I Laboratory **Credit Hours: 1**

PHY2048L is a laboratory which allows students to able to collect and analyze data in a variety of experiments covering topics covered in its companion course PHY2048. Students will create experiment reports using analysis in calculus.

PHY2049 General Physics with Calculus II **Credit Hours: 4**

PHY2049 is part two of a comprehensive physics course outlining electricity, magnetism and optics using analysis in

calculus.

PHY2049L General Physics with Calculus II Laboratory **Credit Hours: 1**
A series of physics laboratory experiments chosen to coincide with the lecture course PHY2049. The course will include topics in electricity, magnetism, and optics. One 2-hour class meeting per week. A laboratory fee is charged.

PHY2053 General Physics I **Credit Hours: 3**
PHY2053 is the first course in a two semester sequence outlining mechanics, properties of matter, heat and sound. Algebra, trigonometry, geometry and vector methods will be used in the quantitative description of these topics.

PHY2053L General Physics I Laboratory **Credit Hours: 1**
PHY 2053L is a laboratory which allows students to able to collect and analyze data in a variety of experiments covering topics covered in its companion course PHY2053. Students will create experiment reports using analysis in algebra.

PHY2054 General Physics II **Credit Hours: 3**
PHY2054 is the second course in a two semester sequence, PHY2053 and PHY2054. The topics covered in PHY2054 include: electricity, magnetism and optics. Algebra, trigonometry, geometry and vector methods will be used in the quantitative description of these topics.

PHY2054L General Physics II Laboratory **Credit Hours: 1**
Laboratory experiences designed to accompany the topics under study in PHY2054.

PLA1003 Introduction to Paralegal Studies **Credit Hours: 3**
This course provides an overview of the training and duties of the paralegal. Also included is a discussion of legal terminology, research techniques, and pertinent litigation documents.

PLA1104 Law Library/Research **Credit Hours: 3**
This course provides information on how to research using both traditional and computer-assisted methodologies. An in-depth examination of the law library and legal research techniques are emphasized.

PLA1201 Civil Litigation **Credit Hours: 3**
This course covers the basic concepts of Civil Litigation. Discussions involve individual and entity liability in relation to the specific acts committed.

PLA1303 Criminal Litigation **Credit Hours: 3**
This course provides students with a survey of the criminal justice system. Substantive and procedural aspects of criminal law are studied. Course content includes the nature of different crimes, the potential charges, and penalties involved; also covered are pre- trial procedures, discovery, plea-bargaining process, and the problems involved in the conduct of trial proceedings.

PLA1435 Corporations **Credit Hours: 3**
This course provides an in-depth study of Corporate Law. Topics covered include types of corporations, articles of incorporation, bylaws, shareholders' agreements, voting rights, management structure, directors' powers, and voluntary/involuntary dissolutions. Non-profit corporations and professional associations are also discussed.

PLA1600 Probate Practice **Credit Hours: 3**
This course prepares legal assistants to work effectively under the supervision of a lawyer in the probate and administration of an estate. The Florida Probate Code, trusts and taxes are studied. Preparation of pleadings is included.

PLA1610 Procedures for Real Estate Title Closing **Credit Hours: 3**
This course surveys the basic concepts of Real Property Law. The students study how to handle a real estate transaction from the drafting of a contract to its closing. The nature of property, the consequences of its possession, and the mechanics of the title examination are also studied.

PLA1800 Domestic Relations **Credit Hours: 3**
This course surveys domestic relations, and includes topics such as marriage, dissolution of marriage, separation agreements, time-sharing, legitimacy, adoption, name changes, support, court procedures, and property disposition.

PLA1841 Immigration Law **Credit Hours: 3**
This course provides an in depth study of Immigration Law. Topics covered include a historical overview of immigration law, types of immigration law practices, agencies involved with immigration laws, the drafting of documents and forms associated with immigration law, the Immigration and Nationality Act and the administrative system covering the practice of immigration law.

PLA2114 Legal Writing & Drafting **Credit Hours: 3**
This course concentrates on developing skills in the grammar, language, and format of legal documents. Documents drafted include legal correspondence, legal memoranda, deposition summaries, persuasive documents, and contracts.

PLA2466 Debtor/Creditor Relations **Credit Hours: 3**
This course provides an in-depth study of Debtor/Creditor law. Topics covered include collection of debts through court processes, post-judgment collection practices, bankruptcy law, landlord/tenant debt law, collection of debts based upon negotiable instruments, federal consumer collection acts, and foreclosure actions.

PLA2762C Paralegal Office Systems **Credit Hours: 3**
This course covers a wide range of knowledge, skills, and tasks in order to enable the paralegal to function effectively in a legal office. Technology, management skills, and general office procedures and systems are covered, including but not limited to legal time-keeping and billing, document assembly, e-filing, client trust accounts, the cloud, social media and ethics.

PLA2930 Selected Topics in Paralegal Studies **Credit Hours: 3**
This course will explore a selection of topics and trends of special interest in the legal field.

PLA2940 PLA Practicum **Credit Hours: 3**
This course is designed to apply the knowledge and skills developed in the required courses through practical work experience. The student will perform legal work for 144 hours under the supervision of an attorney.

PLP3002C Fundamentals of Plant Pathology **Credit Hours: 3**
Principles and practices of plant pathology.

POS2041 National Government **Credit Hours: 3**
This course provides a systematic introduction to the political system of the United States of America through the study of theory, principles, policy outcomes, and responsible institutions involved in the formation and operation of American National Government. The course will be organized along four broad fronts: (1) the political founding; (2) political parties and elections; (3) political institutions (e.g., president, Congress, etc.); and (4) policy (e.g., domestic and foreign). Students must earn a minimum grade of C to meet the requirements of the Gordon Rule. This is a writing credit course

POS2112 State & Local Government **Credit Hours: 3**
This course provides a systematic introduction to the principles and institutions of American state and local government, with some emphasis on Florida politics. It delves into the structure, functions, and decision-making processes of the 50 states and the more than 85,000 localities (governments) within those states. This is a writing credit course. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

POS2601 The American Constitution **Credit Hours: 3**
A study of the basic elements of the U.S. Constitution as they impact society and the individual. Emphasis is placed upon the document's theoretical, as well as, pragmatic applications. Course is taught from perspectives which are primarily historical and cultural.

PSC1121 Physical Sciences Survey **Credit Hours: 3**

PSC1121 is a survey course outlining topics in astronomy, chemistry, geology, meteorology and physics. The course is intended for the non-major student. The student will compose writing projects and analyze problems using analysis in algebra.

PSC1121L Physical Sciences Laboratory **Credit Hours: 1**
PSC1121L is a laboratory which allows students to able to collect and analyze data in a variety of experiments covering topics covered in its companion course PSC1121L. Students will create experiment reports using analysis in algebra.

PSC2910 Directed Independent Research **Variable Credit Course (1-3 Credit Hours)**
Students (individually or in a group) will conduct research projects or certain aspects of research projects under the supervision of the instructor. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting in physical sciences.

PSC2914 Independent Research in the Physical Sciences **Variable Credit Course (1-3 Credit Hours)**
Students (individually or in a group) will conduct research projects or certain aspects of research projects under the supervision of the instructor. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting.

PSC4912 Independent Research in the Physical Sciences **Variable Credit Course (1-3 Credit Hours)**
Students (individually or in a group) will conduct research projects or certain aspects of research projects under the supervision of the instructor. This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting.

PSC4930 Special Topics in Physical Science **Variable Credit Course (1-3 Credit Hours)**
Course centers around topics of current interest or special interest to students or instructors. Topics or focus may vary from semester to semester.

PSC4948 Senior Internship **Credit Hours: 3**
A course designed to provide training in a student's field of student through work experience. Students are graded on the basis of documentation of learning acquired as reported by student and intern host.

PSY2012 General Psychology **Credit Hours: 3**
General Psychology reviews the scientific principles related to human behavior and mental processes. Topics include the scientific method, neuroscience, learning, memory, and thinking, emotions, motivation, and health, life span development, personality, psychological disorders, and therapies, and social psychology. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

PSY2012L General Psychology Laboratory **Credit Hours: 1**
This laboratory course parallels and supplements the instruction given in General Psychology (PSY2012). Illustrated in this course are a variety of experimental and behavioral activities that demonstrate the scientific basis of psychology.

PSY2043 Advanced General Psychology **Credit Hours: 3**
The rationale, methods, and application of the scientific analysis of behavior. Emphasis is placed on the lawfulness of behavior, how behavioral laws are found and used in the modification of behavior.

PSY2905 Independent Study in Psychology **Credit Hours: 3**
Directed study course in the Behavioral Sciences. The course will be available to both majors and non-majors who wish to investigate a particular problem. The student will make application for the course to the Head of the Behavioral Science Department via an Instructor.

PSY2930 Special Topics: Psychology **Credit Hours: 3**
Course centers around topics of current interest or of special interest to students or instructors. Topics or focus may vary from semester to semester. Topics will be identified by the PSY2930 title published in the course schedules for each term that the course is offered. Special Topics credit hours are not automatically transferable. Transfer credit is the

prerogative of the receiving institution.

PTN0003 Introduction to Pharmacy Practice & Medical Term **Clock Hours: 90.00**
This course is an orientation to the overall functions and services of a hospital pharmacy. Students will learn medical abbreviations, terminology, chemical symbols, formulas, and incompatibilities.

PTN0004 Pharmacy Practitioner Applications **Clock Hours: 90.00**
This course focuses on pharmacy practitioner applications. Students will learn to develop skills relating to the specific, technical, manipulative and clerical tasks involved with the preparations and distribution of medications under the supervision of Licensed Pharmacists.

PTN0006 Pharmacy Calculations **Clock Hours: 90.00**
This course covers the definitions of systems of measurement, the conversion of one system to another and how to calculate pharmacology problems.

PTN0021 Drug Classifications **Clock Hours: 90.00**
This course covers the major classifications of systems of measurement, the conversion of pharmaceuticals, standards for quality and purity of drugs, and authoritative information on dosage and administration. Students will learn about poisons, placebos, and sources from which medications are produced.

PTN0041 Pharmacy Technician Hospital Field Experience **Clock Hours: 245.00**
This course covers clinical hospital training to develop the student's knowledge and skills on the job. Students will learn how to properly prepare doses of medication and intravenous admixtures.

PTN0049 Pharmacy Technician Retail Store Field Experience **Clock Hours: 275.50**
This course covers the clinical field experiences in a retail establishment. Students will learn about pharmaceutical chemistry, proper medication, and how to deliver medications correctly.

PTN0093 Pharmacy Technician Review Course **Clock Hours: 90.00**
This course reviews topics related to the field of pharmacy to students enrolled in the Pharmacy Technician program to prepare them to sit for the nationally recognized pharmacy technician certification examination. Participants receive a comprehensive review based on the certification exam content identified by the Pharmacy Technician Certification Board.

QMB1001 Business Mathematics **Credit Hours: 3**
This course emphasizes the application of mathematics to selected business topics and problems. In addition, it includes material in linear equations and descriptive statistics.

QMB2100 Quantitative Methods in Business **Credit Hours: 3**
This course applies quantitative methods to business problems with emphasis on learning to select the appropriate problem solving method, applying the chosen method, and interpreting the solution. The use of quantitative methods in managerial decision making is a continuous focus of this course. Management problems are used and written managerial recommendations are required.

QMB2302C Applied Business Analytics **Credit Hours: 3**
This course provides a foundation for students to understand and apply the core principles and tools of a relational database. This combination of knowledge and skills will allow students to create tables, manage data within those tables, and create customized reports derived from data stored in relational databases.

RAT1001 Introduction to Radiation Therapy **Credit Hours: 1**
This course will provide the students with an introduction to the radiation therapy program and the role and responsibilities of a student radiation therapist. This course will also define the different personnel required for a radiation therapy department to function, and define the structure and organization of hospitals. This course will also provide an introduction into cancer and cancer management with an overview of the psychological, sociological and economical aspects of cancer.

RAT1002 Introduction to Radiation Therapy Clinical **Credit Hours: 2**
A course designed to provide knowledge and instruction in the application of radiation therapy procedures with a detailed study of instrumentation, radiation therapy equipment, patient charting and radiation procedures during the early phases of patient contact. This course will also cover radiation safety, treatment tolerance doses of critical structures, treatment procedures, basic patient positioning, operation of the equipment and patient accessories.

RAT1002L Introduction to Radiation Therapy Clinical **Credit Hours: 1**
A course designed to provide knowledge and hands-on instruction in the application of radiation therapy procedures with a detailed study of instrumentation. This Laboratory corresponds to the information and objectives of RAT1002 Specific radiation therapy terminology, basic procedures, specific patient positioning and accessories will also be covered.

RAT1112 Radiation Therapy Medical Imaging **Credit Hours: 1**
An introductory study to radiographic processes. Included will be the processes behind computed tomography, magnetic resonance imaging, nuclear medicine, positron emitting tomography, and ultrasound as it pertains to simulation, detection, and diagnosis of cancer.

RAT1123 Radiation Therapy Patient Care **Credit Hours: 2**
This course is designed to give an incoming student an overview of patient care and ethics. Topics that will be covered include communication, patient safety, patient transfers, immobilization of patient and body parts, infection control, vital signs, caring for patient who have special needs, pharmacology, drug administration, case history, universal precautions, isolation techniques and medical legal issues in radiation therapy.

RAT1123L Radiation Therapy Patient Care Lab **Credit Hours: 1**
This course is a practical application of the theory taught in RAT 1123, Radiation Therapy Patient Care. Topics include patient interaction skills, safety procedures, basic patient care needs, patient movement and handling, infection control, taking vital signs, administering oxygen, aseptic techniques, non-aseptic techniques, and medical emergencies.

RAT1210 Introduction to Radiation Therapy Anatomy **Credit Hours: 1**
This course is designed to present anatomy and its importance to the radiation therapist. A survey of the structure of human body as it pertains to radiation therapy will consider the following: the cell, tissues, glands, skeletal system, the spine, pelvis, lower limb, abdomen, thorax, upper limb, the neck, and the head.

RAT1212 Radiation Therapy Imaging Anatomy **Credit Hours: 2**
A study of radiographic human anatomy as it pertains to identifying organs at risk and treatment considerations for radiation therapy. Students will study the anatomy of the human skeleton and organ systems in both two dimensional and three dimensional views.

RAT1515 Radiation Pharmacology **Credit Hours: 1**
This course is designed to discuss the pharmacology concepts as it pertains to imaging practices of the radiation therapist. This course will introduce to the students essential practices and guidelines of pharmaceutical administration essential for imaging and patient diagnosis. It will also discuss medical oncology drugs and how they are metabolized by the systems.

RAT1614 Intro to Radiation Therapy Physics **Credit Hours: 2**
An introductory study of radiation therapy physics to include mathematical principles & measurement, atomic structure, electromagnetic radiation, magnetism, electrostatics, electrodynamics, electromagnetism, x-ray production & interactions.

RAT1804 Clinic Education I **Credit Hours: 1**
Familiarization with the equipment utilized in the treatment of patients begins along with assisting the therapist in the clinical environment, simulation area, patient care nursing areas and the mold room. Demonstrations of patient leveling skills and beginning basic treatments and simulations competencies.

RAT2021 Principles of Radiation Therapy I **Credit Hours: 2**
Content is designed to provide an overview of cancer and the specialty of radiation therapy. The historic and current aspects of cancer treatment will be covered. The roles and responsibilities of the radiation therapist will be discussed. In addition, treatment prescription, techniques and delivery will be covered.

RAT2022 Principles of Radiation Therapy II **Credit Hours: 2**
A continuation of the fundamentals of technologic applications in simulation and patient treatment.

RAT2023 Radiation Oncology 1 **Credit Hours: 3**
A study of the fundamentals of clinical radiation oncology stressing the following: etiology, epidemiology, histopathology, symptoms, diagnosis, staging, prognosis, treatment set up and guidelines, and the therapeutic aim of malignant conditions.

RAT2024 Radiation Oncology II **Credit Hours: 3**
A study of the fundamentals of clinical radiation oncology stressing the following: etiology, epidemiology, histopathology, symptoms, diagnosis, staging, prognosis, treatment set up and guidelines, and the therapeutic aim of malignant conditions.

RAT2040 Radiation Oncology Health Care Law **Credit Hours: 1**
The course is a description the major legal structure and function of the United States health care system, as well as the principles and policies of that health care system. This course also provides the legal principles and rationale used for decisions made upon the health care industry and how it pertains to radiation oncology.

RAT2041 Radiation Therapy Ethics **Credit Hours: 1**
This course is designed to discuss ethical thinking in regards to health care. This course will introduce to the student essential vocabulary and thought process that will enable them to participate, evaluate, and understand ethical decision making.

RAT2061 Radiation Therapy Seminar **Credit Hours: 2**
This course will provide the opportunity for the radiation therapy student to evaluate their cumulative knowledge through comprehensive testing, refinement of accumulated knowledge, and retention of all aspects of radiation therapy. The course challenges the student to be prepared for the American Registry of Radiologic Technologist comprehensive national examination upon completion of graduation.

RAT2241 Radiobiology **Credit Hours: 2**
A study of the sequence of events following the absorption of energy from ionizing radiation. Factors influencing radiation effects, tissue sensitivity, tolerance, and clinical applications are considered.

RAT2243 Radiation Oncology Sectional Anatomy **Credit Hours: 4**
This course is designed to present sectional anatomy and its importance to radiation therapist in the Radiation Therapy Field. This course will include 3-D imaging identification of anatomical structures in various imaging methods and planes. Location of internal organs and critical structures by topographical anatomy will also be included. The pathophysiology of normal tissues as well as malignant tissues will also be discussed and visualized in 3-D Imaging. An emphasis on etiological considerations, neoplasia, and associated diseases in the radiation therapy patient will also be presented.

RAT2617 Advanced Radiation Physics I **Credit Hours: 3**
The fundamentals of x-ray, gamma, and corpuscular radiation as applied to radiation therapy. Teletherapy units and nuclear reactors are also discussed.

RAT2618 Radiation Physics II **Credit Hours: 2**
Advanced physics of ionizing radiation including measurements, dosages, absorption, isodose curves, filters, radioactive materials treatment planning, properties of radionuclides, radiation safety and health physics.

RAT2619 Dosimetry & Computer Treatment Planning **Credit Hours: 3**
This course will introduce the students to the advanced physics and math calculations they will be required to perform as radiation therapist. The courses will also describe the physical and geometric factors affecting the applied beam energy and how to correct for these factors. The course will also describe how to modify an applied beam to avoid critical structures while delivering the required dose of radiation. The course will also deal with radioisotopes, how they are utilized to treat cancer patients and their specific energies and decay schemes.

RAT2657 Quality Assurance Quality Mngt & Quality Improvement in Radiation Oncology Credit Hours: 2
Content is designed to focus on the components of quality improvement (QI) programs in radiation oncology. Topics will include quality control and assurance checks for the clinical aspects of patient care, medical records, treatment delivery and localization equipment and treatment planning equipment. The role of the various radiation therapy team members in continuous quality improvement will be discussed as well as the legal and regulatory implications for maintaining appropriate quality care.

RAT2814 Clinic Education II **Credit Hours: 3**
Patient treatment competency assignments continue in radiation therapy departments. The student's responsibilities increase as more complex competencies in patient treatment are mastered, and additional competencies are performed in simulation and the dosimetry area are performed. Student is also introduced into a variety of patient care areas.

RAT2824 Clinic Education III **Credit Hours: 3**
Advanced clinical education stressing practical application of dosimetry competencies under the direct supervision of a medical physicist or dosimetrist. Continuation of advanced patient treatment competencies under the supervision of a registered radiation therapist, continuation of simulation procedures and quality assurance testing.

RAT2834 Clinic Education IV **Credit Hours: 3**
The most advanced clinical education as evidenced by the level of competency demonstrated by terminal competency skills. The student will also demonstrate their didactic knowledge, technical understanding of treatment planning and basic calculations required of an entry level radiation therapist. Completion of this course will ensure that the student is competent upon graduation to assume all the responsibilities required of an entry level Registered Radiation Therapy Technologists.

RAT2905 Independent Study in Radiation Therapy **Credit Hours: 1**
A direct study course in Radiation Therapy. This course is available only for majors who wish to investigate a particular clinical education situation. The student will create an application for the course to the head of the Medical Imaging Department via an instructor with whom he/she wants to work with.

REA0007C College Preparatory Reading I **Credit Hours: 4**
This course teaches basic reading skills, vocabulary, word recognition skills, and work-study skills. Placement in REA0007C is determined by PERT test scores.

REA0017C College Preparatory Reading II **Credit Hours: 4**
College Preparatory Reading II teaches basic reading and study skills to prepare students for college course work.

REA0055 Developmental Reading Module **Credit Hours: 1**
This course is for students who score between 93 and 103 on the PERT placement test. Students will then be given the PERT Diagnostic to identify skills in the developmental reading sequence that have not yet been mastered. An individual learning plan will be established and students will be assigned to the module(s) containing those competencies not yet mastered. Topics for study will be determined by student's P.E.R.T. Diagnostic test results. This course will teach students basic reading and study skills to prepare them for college level course work.

REA0056 Developmental Reading Module **Credit Hours: 2**
This course is for students who score between 93 and 103 on the PERT placement test. Students will then be given the PERT Diagnostic to identify skills in the developmental reading sequence that have not yet been mastered. An individual learning plan will be established and students will be assigned to the module(s) containing those

competencies not yet mastered. Topics for study will be determined by student's P.E.R.T. Diagnostic test results. This course will teach students basic reading and study skills to prepare them for college level course work.

REA1105 College Reading Strategies **Credit Hours: 3**
Teaches efficient reading abilities, comprehension, vocabulary, speed, study techniques, and reading skills necessary to conduct investigative research. REA1105 includes all CLAST skills.

RED3342 Foundations of Research Practice in Reading Ed & Application of Instruction **Credit Hours: 3**
This course provides an understanding of the principles of scientifically based reading research as the foundation of comprehensive instruction that synchronizes and scaffolds each of the major components of the reading process to assist students in mastering this process. This course will address effective research-based instruction methodology to prevent reading difficulties and promote acceleration of reading progress for struggling students, including students with disabilities, and students from diverse populations. Guided field experience provides pre-professional educators with the experience of observation and interaction with K-12 students.

RED4519 Diagnostic & Instructional Interventions in Reading **Credit Hours: 3**
This course provides an understanding of the role of assessments in guiding instruction and decision making for reading progress of striving readers. It also provides extensive knowledge of differentiated instruction with appropriate scientifically based strategies and materials for students from differing backgrounds and diverse learners.

RED4844 Reading Practicum **Credit Hours: 3**
Students will, through this culminating practicum experience, demonstrate knowledge of the components of reading, as well as assessments and data analysis, to implement a comprehensive research-based reading plan of instruction for all learners. Students will engage in the systematic problem solving process. Students are to complete a minimum of 30 hours of field experience in a K-12 setting.

REE1040 Florida Real Estate Commission I **Credit Hours: 4**
The Real Estate Commission Course I. It provides an introduction to the basic principles and theories of real property, its economic value, and the legal aspects of real estate law affecting salespersons. Successful completion qualifies a candidate to apply for the State of Florida Salesperson's License Exam.

REL1210 Old Testament History **Credit Hours: 3**
This course is an introduction to old testament history. Using the Hebrew canon, the course will critically examine the narratives of the Hebrew people, main components and development of their religion, important personalities, and the early formation of Judaism.

REL1240 New Testament History **Credit Hours: 3**
This course is a descriptive introduction to the New Testament world, the New Testament, and the development of early Christianity in the First and Second Century A.D.

REL2000 Introduction to the Study of Religion **Credit Hours: 3**
An introduction to the study of religion as an academic discipline. The focus of this course is religion, not religions; an attempt is made to acquaint students with problems and issues in the understanding of religious phenomena. This is a writing course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

REL2300 World Religions **Credit Hours: 3**
This course is a descriptive examination of the world's most popular religions. This is a writing course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

REL2930 Special Topics: Religion **Credit Hours: 3**
Course centers on topics of current or of special interest to students or instructors. Topics or focus may vary from semester to semester which may include, but are not limited to, Religion in America, Gender and Religion, New Religious Movements, Genocide and Religion or other areas of interest. Transfer credit is the prerogative of the receiving institution.

RET1024 Introduction to Respiratory Care **Credit Hours: 1**
This course offers the student an overview of a career in respiratory care, the critical thinking methodology necessary for applying academic knowledge to problem based learning, and exposure to the level of comprehension needed for understanding the concepts in respiratory care.

RET1026 Respiratory Therapy Equipment **Credit Hours: 3**
This course reviews all of the equipment normally used for respiratory therapy with the exception of mechanical ventilation. Especially emphasized are methods used in manufacturing, storing and administering oxygen; humidity and aerosol therapy, airway management and airway clearance techniques.

RET1026L Respiratory Therapy Equipment Laboratory **Credit Hours: 1**
This course allows the student to work with and master the manipulative skills required to utilize respiratory therapy equipment. Emphasis is on oxygen, humidity and aerosol therapy, and airway management.

RET1264 Mechanical Ventilation **Credit Hours: 3**
This course describes the concepts of mechanical ventilation, current modes of ventilation, tailoring of the ventilator settings to meet patient needs, and patient assessment on mechanical ventilation. The student will learn the concepts of noninvasive ventilation. The principles and operation of commonly used ventilators are emphasized.

RET1264L Mechanical Ventilation Laboratory **Credit Hours: 1**
This course allows the student to work with all facets of mechanical ventilation to gain hands on experience prior to entering their adult critical care rotation.

RET1484 Cardio Pulmonary Pathophysiology **Credit Hours: 3**
This course is designed to introduce the students to the basic concepts of cardiopulmonary disease. Included are the mechanism of altered lung structure, airway caliber, neurogenic control and pulmonary vascular function.

RET1485 Respiratory Physiology **Credit Hours: 3**
This course provides an in-depth study of the anatomy and physiology of the cardiopulmonary system. Included is a review of the physiology of respiration, ventilatory mechanics, neurogenic control, internal and external respiration and gas exchange.

RET1832L Respiratory Therapy Clinic I **Credit Hours: 3**
In this first clinical course, the students are oriented to the care of patients in the non-critical care setting. Tasks included are oxygen administration, medicated and non-medicated aerosol administration, chest physiotherapy, and airway care. Emphasis is on patient assessment, therapeutic intervention, and communication.

RET1833L Respiratory Therapy Clinic II **Credit Hours: 3**
This clinic course represents continuation of the activities in Clinic I. By the end of this term the student must have mastered all non-critical care duties normally performed by respiratory therapists and the fundamentals of adult critical care.

RET2234L Cardiopulmonary Function & Simulation **Credit Hours: 1**
This course allows students the opportunity to build hands-on skills with bedside pulmonary function testing and the six-minute walk test. Students will also practice cardiopulmonary clinical practice and critical thinking skills in a simulation-based environment.

RET2265 Advanced Respiratory Equipment **Credit Hours: 2**
This course introduces students to more advanced monitoring techniques in the areas of ventilation and oxygenation for the adult, pediatric and neonatal patient.

RET2265L Advanced Respiratory Equipment Laboratory **Credit Hours: 1**
This course provides hands on interaction for students to learn the techniques of more advanced monitoring in the areas of ventilation and oxygenation for the adult, pediatric and neonatal patient.

RET2286C Management of the Intensive Care Patient **Credit Hours: 2**
This course provides an in depth discussion of several disease processes of the lung as well as other issues concerning the respiratory intensive care patient. This course fosters the physician to student relationship by providing physician lectures and clinical rounds with physicians.

RET2414 Respiratory Therapy Pulmonary Function **Credit Hours: 1**
This course reviews techniques used for pulmonary function testing, blood gas analysis and the basic principles of cardiopulmonary stress testing. Techniques used in the diagnosis of cardiopulmonary disease are covered.

RET2418 Cardiopulmonary Diagnostics & Techniques **Credit Hours: 2**
This course is designed to prepare the student to be a competent member of the resuscitation team, to assess cardiac function via EKG's and hemodynamic monitoring, and to prepare the student for advanced cardiac life support training.

RET2601 Respiratory Therapy Management **Credit Hours: 1**
This course is designed to assist the student in successfully making the transition from the role of a student to that of a competent member of the health care team. Objectives include advanced cardiac life support certification and becoming a member of the national and state organization for respiratory care. Emphasis is placed on preparation and application for the national credential examinations and for the Florida state license.

RET2714 Pediatric & Neonatal Respiratory Care **Credit Hours: 3**
This course emphasizes neonatal and pediatric diseases, their etiology and treatment. It encompasses the newest equipment and latest techniques used in monitoring and maintaining the respiratory compromised infant and pediatric patient.

RET2834L Respiratory Therapy Clinic III **Credit Hours: 3**
This clinical course is designed to introduce the student to all aspects of respiratory critical care. The students will work with patients in critical care with many different respiratory diseases and disorders. The students may also have the opportunity to work with neonatal and pediatric patients in the critical care environment. The student must be able to independently manage care for three critical care patients by the end of the semester. Special fee is charged.

RET2835L Respiratory Therapy Clinic IV **Credit Hours: 3**
This is a continuation of the activities in Clinic III. The student's responsibility will increase as their clinical skills become more sophisticated. By the end of this term the student will assume all of the responsibilities required of critical care therapists with patients requiring ventilatory management or support. Special fee is charged.

RET2934 Selected Topics in Respiratory Care **Credit Hours: 1**
This course will present information on recent changes in technology and therapeutic modalities used in Respiratory Care. The student will participate in literature review activities to enable them to remain knowledgeable of ongoing changes in the profession after they become Respiratory Care practitioners.

RMI2110 Personal Insurance Planning **Credit Hours: 3**
The course includes methods of analysis in handling personal risk exposures, including insurance coverage alternatives. Integration of life, health and accident, property, liability, profit-sharing, private, governmental insurance and pension programs are also included. The specifics of how the State of Florida implements each type of insurance will be emphasized.

RMI2212 Personal Business & Property Insurance **Credit Hours: 3**
This course provides an overview of personal and business property risks and coverages which may be used in dealing with these risks, including the underwriting, marketing and social problems associated with these coverages. The specifics of how the State of Florida implements each type of insurance will be emphasized.

Additional topics include commercial and residential fire insurance, inland marine and transportation coverages, and multi-peril contracts.

RMI2662 Introduction to Risk Management & Insurance **Credit Hours: 3**
This course is an introduction to the principles, practices, and economics of insurance. Topics include fire, life and casualty contracts, and various types of business and contingency risks. The specifics of how the State of Florida implements and regulates each type of insurance will be emphasized.

RTE1000 Introduction to Radiologic Technology **Credit Hours: 3**
The organization and operation of a radiology department; radiologic topics include: x-ray equipment operation, historical aspects of radiography, department organizational structure, safety, radiation protection, imaging media and receptors, image processing techniques, basic exposure factors, and accreditation and professional development.

RTE1111 Patient Care I **Credit Hours: 3**
A study of the principles and practices of patient care during radiographic examinations. Topics include basic x-ray equipment operation, medical ethics and law, patient assessment and communication, patient care and safety, infection control, vital signs and oxygen administration, medical emergencies and trauma and care of pediatric and geriatric patients, and patient care during urologic and gastrointestinal examinations.

RTE1111L Patient Care I Laboratory **Credit Hours: 1**
Practical application of theory taught in RTE1111. Topics include operating radiographic equipment, patient communication, basic patient care needs, controlling infection, patient transfers, immobilization, administering oxygen, and taking vital signs.

RTE1418 Imaging I **Credit Hours: 3**
A study of radiographic physics, equipment, and the production and properties of x-radiation. Topics include mathematical principles, atomic theory, electricity, electromagnetism, x-ray tubes and equipment, the production and characteristics of x-radiation, filtration, exposure factors, x-ray interactions and attenuation, beam restriction and grids.

RTE1418L Imaging I Laboratory **Credit Hours: 1**
Practical application of theory taught in RTE1418. Topics include film and digital-based imaging, the radiographic darkroom, radiographic test equipment, the x-ray tube, prime factor relationships, beam restriction and grids.

RTE1503 Radiographic Procedures I **Credit Hours: 3**
A study of radiographic procedures of the chest, abdomen, upper limb, humerus and shoulder girdle, and bony thorax. Topics include radiographic terminology and positioning principles, imaging and radiation protection principles, and radiographic procedures of the chest, upper airway, abdomen, fingers, hand, wrist, forearm, elbow, humerus, shoulder, clavicle, scapula, AC joints, ribs, sternum, and SC joints.

RTE1503L Radiographic Procedures I Laboratory **Credit Hours: 1**
Practical application of theory taught in RTE1503. Topics include orientation to the x-ray lab, utilization of positioning principles, and demonstrated performance of radiographic procedures of the chest, abdomen, upper limb, humerus and shoulder girdle, and bony thorax.

RTE1513 Radiographic Procedures II **Credit Hours: 3**
A study of radiographic procedures of the lower limb, femur and pelvic girdle, biliary tract, upper and lower gastrointestinal systems, urinary system, and pediatric radiography. Topics include radiographic procedures of the toes, foot, calcaneus, ankle, tibia/fibula, knee, patella, femur, hip, pelvis, esophagus, stomach (UGI), biliary tract (T-tube cholangiogram & ERCP), small bowel (SBS), colon (contrast enema), urinary system (IVU and cystograms), and common pediatric examinations.

RTE1513L Radiographic Procedures II Laboratory **Credit Hours: 1**
Practical application of theory taught in RTE1513. Topics include demonstrated performance of radiographic procedures of the lower limb, femur & pelvic girdle, upper and lower gastrointestinal systems, urinary system, and pediatric examinations.

RTE1523 Radiographic Procedures III **Credit Hours: 2**
A study of radiographic procedures of the cervical spine, thoracic spine, lumbar spine, sacrum & coccyx, skull & cranial bones, facial bones & sinuses, and related trauma, mobile, and pediatric examinations. Students will study the radiographic positions/projections for each body part and its associated anatomy.

RTE1523L Radiographic Procedures III Laboratory **Credit Hours: 1**
Practical application of theory taught in RTE1523. Topics include demonstrated performance of radiographic procedures of the cervical, thoracic and lumbar spines, sacrum and coccyx, skull, facial bones and paranasal sinuses, trauma and surgical examinations.

RTE1613 Radiographic Physics **Credit Hours: 2**
Introduction to the fundamentals of physics involved in the operation of radiographic equipment to include: units of measurement, matter, energy, mechanics, magnetism, electrostatics, and electrodynamics.

RTE1763 Computed Tomography & Cross-Sectional Anatomy **Credit Hours: 3**
Introduction to computed tomography (CT) imaging, procedures, & cross-sectional anatomy. Topics include the history of CT development, basic physics & operational principles, equipment & scanner designs, data acquisition, image reconstruction & visualization, the performance of CT procedures, cross-sectional anatomy, and safety considerations for operators & patients.

RTE1804 Clinical Education I **Credit Hours: 2**
Clinical experience for practical application of concepts and skills taught in lecture and laboratory. Clinical rotations include hospital and departmental orientation, the main imaging department, portables, the emergency room, and other ancillary patient care areas. Students will perform radiographic exams of the chest, abdomen, upper limb, humerus and shoulder girdle, and bony thorax.

RTE1814 Clinical Education II **Credit Hours: 2**
Clinical experience for practical application of concepts and skills taught in lecture and laboratory. Clinical rotations include the main imaging department, portables, the emergency room, and other ancillary patient care areas. Students will perform radiographic examinations of the lower limb, femur and pelvic girdle, biliary tract, upper and lower gastrointestinal systems, urinary system, pediatric radiography, and procedures previously learned.

RTE1824 Clinical Education III **Credit Hours: 2**
Clinical experience for practical application of concepts and skills taught in lecture and laboratory. Clinical rotations include the main imaging department, portables, the emergency room, the operating room, and other ancillary patient care areas. Students will perform radiographic exams of the spine and head, surgical exams and procedures previously learned.

RTE2061 Radiography Seminar **Credit Hours: 1**
A review of the topics studied during the Radiography Program to help students prepare for the American Registry of Radiologic Technologists (ARRT) Certification Exam and to transition to the role of professional caregiver. Topics include the ARRT exam, Florida licensure, patient care, safety, image production and procedures.

RTE2116 Patient Care II **Credit Hours: 3**
A study of the principles and practices of patient care during medical procedures & advanced radiographic examinations. Topics include alternative medical treatments, electrocardiography, aseptic technique, pharmacology, drug administration, venipuncture, and patient care during advanced imaging & therapeutic modalities.

RTE2116L Patient Care II Laboratory **Credit Hours: 1**
Practical application of theory taught in RTE2116. Topics include performing electrocardiography, gowning, gloving, setting up a sterile field, and venipuncture.

RTE2130 Pharmacology & Venipuncture for Radiography **Credit Hours: 1**
A study of pharmacology & venipuncture related to the administration of drugs & contrast media for radiographic examinations. Topics include pharmacology principles, parenteral contrast media, drug administration, & venipuncture technique.

RTE2130L Pharmacology & Venipuncture for Radiography Laboratory **Credit Hours: 1**
Practical application of the principles of pharmacology & venipuncture related to the administration of drugs & contrast media for radiographic examinations.

RTE2385 Radiation Biology & Protection **Credit Hours: 3**
Study of the biological effects associated with exposure to ionizing radiation and accepted radiation protection principles and practices. Topics include principles and practices of radiation protection, radiation/matter interaction modes, cellular and molecular biology, tissue and total body biological response patterns, radiation detection and measurement, dose limits, and the protection & management of patients and personnel.

RTE2457 Imaging II **Credit Hours: 3**
A study of radiographic physics, equipment, and the factors that affect radiographic image quality. Topics include digital radiography and PACS, fluoroscopy, x-ray interactions and attenuation, image receptor exposure, contrast, distortion, spatial resolution, exposure systems and AEC, and quality management.

RTE2457L Imaging II Laboratory **Credit Hours: 1**
Practical application of theory taught in RTE2457. Topics include digital imaging exposure relationships, factors that affect image receptor exposure and density, contrast, distortion, and spatial resolution, automatic exposure control, quality control, and the development of technique charts.

RTE2533 Radiographic Procedures IV **Credit Hours: 2**
A study of radiographic procedures to include computed tomography (CT), surgical radiography, arthrography, hysterosalpingography, myelography, sialography, orthoroentgenography, mammography, bone densitometry, angiography & interventional examinations, magnetic resonance imaging (MRI), sonography, nuclear medicine, & radiation therapy. Students will study the radiographic positions/projections for each body part/procedure and its associated anatomy.

RTE2563 Advanced Image Modalities, Procedures, & Pathologies **Credit Hours: 3**
A study of radiographic procedures to include surgical radiography, arthrography, hysterosalpingography, myelography, sialography, orthoroentgenography, mammography, bone densitometry, angiography & interventional examinations. Students will study the radiographic positions/projections for each body part/procedure and its associated anatomy. In addition, students will study human pathology of the cardiovascular, nervous, endocrine, biliary and reproductive systems with radiologic imaging considerations.

RTE2623 Radiographic Equipment & Quality Assurance **Credit Hours: 3**
A study of the physical basis of operation of radio-graphic equipment. Emphasis includes x-ray equipment components, x-ray tubes, image tubes, intensifiers, TV monitors and video recorders, serial imaging, generators, image subtraction techniques, digital equipment, non-film imaging equipment, accessory equipment, x-ray production and interaction processes, Quality Assurance and CT equipment.

RTE2782 Radiographic Pathology **Credit Hours: 1**
An introduction to the study of human disease and the radiographic appearances of specific diseases. Topics will include: Pathogenesis, disease classification systems, and the study of specific diseases of the respiratory, skeletal, gastrointestinal, hepatobiliary, urinary, cardiovascular & hematopoietic, nervous, endocrine and reproductive systems with radiologic imaging considerations.

RTE2834 Clinical Education IV **Credit Hours: 3**
Clinical experience for practical application of concepts and skills taught in lecture and laboratory. Clinical rotations include the main imaging department, portables, the emergency room, the operating room, computed tomography (CT), and other ancillary patient care areas. Students will perform CT examinations and radiographic procedures previously learned.

RTE2844 Clinical Education V **Credit Hours: 3**
Clinical experience for practical application of concepts and skills taught in lecture and laboratory. Clinical rotations include the main imaging department, portables, the emergency room, the operating room, computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine, sonography, radiation therapy, interventional and cardiac catheterization labs, and other ancillary patient care areas. Students will perform CT examinations and radiographic procedures previously learned and observe procedures in other diagnostic/therapeutic modalities.

RTE2854 Clinical Education VI **Credit Hours: 1**
Clinical experience for practical application of concepts and skills taught in lecture and laboratory. Clinical rotations include the main imaging department, portables, the emergency room, the operating room, and other ancillary patient care areas. Students will perform radiographic procedures previously learned.

RTE2905 Independent Study in Radiography **Credit Hours: 1**
Clinical experience for practical application of concepts & skills taught in lecture & laboratory. Clinical rotations include the main imaging department, portables, the emergency room, the operating room, & other ancillary patient care areas. Students will receive additional instruction, practice, & be evaluated on radiographic procedures previously learned.

RTV2000 Introduction to Radio & Television **Credit Hours: 3**
An introduction to the broadcast media through which the students should gain an understanding of the historical, technical, legal, and critical aspects of radio and television media.

RTV2102 Broadcast Writing **Credit Hours: 3**
Designed to give students an opportunity to learn the style of presentation for different types of media/broadcast scripts. The course will emphasize practical broadcast writing skills, radio and television copy techniques and forms of commercial copy, as well as learning the special rules and regulations governing the presentation of materials "over the air."

RTV2241C Television Production I **Credit Hours: 3**
In this course the student will acquire understanding of the theory and practice of television program production and directing with emphasis on studio production.

RTV2949 Co-Op Work Experience **Credit Hours: 3**
A course designed to provide training in a student field of study through work experience. Students are graded on the basis of documentation of learning acquired as reported by students and employer. Prerequisite: Co-Op department approval. Student will be assigned specific course prefixes related to their academic major prior to registration.

RUS1120 Beginning Russian I **Credit Hours: 4**
Fundamentals of speaking, understanding, reading and writing in Russian.

RUS1121 Beginning Russian II **Credit Hours: 4**
Continuation of RUS1120. Further development of the basic skills. Selected readings.

SCE3320 Integrative Teaching Methods in Middle Grades **Credit Hours: 3**
This inquiry-based course involves active participation and reflection of the learning process which will promote the growth and development of equitable middle school science constructs. The Pre-service educator will apply knowledge previously acquired in individual content science courses and communicate them by designing an integrated and lab-based science curriculum unit. Students will be required to spend 2 non-credit hours per week for a mandatory 20 hours as part of a field experience component. Course completers will teach integrated science concepts using the inquiry processes as the basis for teaching and learning Science in middle schools.

SCE3420 Methods of Teaching Physical Sciences in the Middle School **Credit Hours: 4**

This course is a study of the fundamental concepts of physical science as part of teaching science in grades 5-9. This course focuses on three elements: content knowledge, inquiry and other teaching strategies, and use of multimedia and visualization tools in teaching and learning about physical science. This course incorporates methods and metacognitive strategies for learning and teaching, including scientific reasoning, prediction, and abstract and critical thinking, and helps educators optimize their science teaching experiences. Through the readings, videos, discussions, assignments, and other interactive experiences, learners in this course will have multiple opportunities to develop content knowledge about transfer of energy; light, sound, and waves; mechanisms of heat transfer; and solubility and density.

SCE3941 Teaching Middle & Secondary School Sciences **Credit Hours: 4**

Science educators are faced with many unique sets of circumstances that are not encountered in other disciplines. These include unique legal and safety considerations, equipment acquisition and organization, and participation in programs that provide key resources. This course shall prepare the pre-professional science educator with some of the key tools and strategies that are utilized in the science class room. Each unit focuses on one of the major areas that science educators will experience. The course is presented as a series of hands on experiences in which the student is involved in graded planning or concept exercises, followed by observed and graded application or execution of those plans.

SCE4310 Science in the Elementary School **Credit Hours: 1**

This course introduces conceptually and develop-mentally appropriate Science content based on the five content areas identified by the Florida Sunshine State Standard. These are knowledge of the nature of matter, knowledge of forces, motion, and energy, knowledge of Earth and space, knowledge of life science, knowledge of the nature of science, knowledge of the relationship of science and technology. Within these content areas, pre-professional educators will learn techniques consistent with the national process standards and research-based procedural strategies. This course addresses specific Sunshine State Standards, subject matter competencies, and pedagogy pertinent to the discipline and required for teacher certification.

SCE4330 Methods & Strategies of Teaching Biological **Credit Hours: 3**

This course is designed to introduce methods and strategies that have been proven to be effective for teaching secondary biology. This course will include topics in appropriate instructional techniques and selection of appropriate resources for diverse classroom activities. Students will learn principles of effective curriculum design and assessment and how to apply these principles by designing and developing interactive biology projects for secondary school students including real world applications.

SCE4945 Student Teaching in Science **Credit Hours: 10**
SCE4944 Student Teaching in Science **Credit Hours: 11**
SCE4943 Student Teaching in Science **Credit Hours: 12**

(Credit hours of the internship are dependent on the student's effective term.)

The Science Student Teaching course is designed to provide interns with a field-based experience at the appropriate grade in a Science classroom/laboratory. Through the Science Student Teaching course the interns will implement and master the 6 Florida Educators Accomplished Practices. The course will focus on Science Education topics in relation to the Student Teaching experience and teaching profession. Note: The Internship is composed of a minimum of 37.5 contact hours per week for 15 weeks.

SLS1001 Strategies for Success **Credit Hours: 3**

This course is tailored for First Time in College students and provides opportunities to: learn about Broward College and higher education; acquire and practice learning strategies; explore personal learning styles; identify career options; and develop life-long skills for responsible citizenship.

SLS1103 Foundation Course **Credit Hours: 3**

This course is tailored for First Time in College students and provides opportunities to learn about professional behaviors that lead to academic and "knowledge work" career success such as developing self-discipline, leading self-managed teams, and creating effective teams composed of individuals with different working styles.

SLS1261 Leadership **Credit Hours: 3**
The purpose of this course is to provide effective leadership skills for student leaders to help them develop an ethical, value grounded leadership style for future educational, organizational and community leadership roles.

SLS1272 Team Self-management & Career Exploration **Credit Hours: 3**
This course provides an introduction to Team Self-Management (TSM) theory and practice of team self-management and its application in work organizations: explores the connections between one's purpose and intentions and one's behaviors, and develops the self-management skills to successfully attain one's goals. The course provides an introduction to career exploration and planning.

SLS1501 First Year Seminar **Credit Hours: 1**
This course is designed primarily for first year students at Broward College. It serves as an introduction to the College and assists students in coping with challenges of college life, clarifying their goals, learning strategies and skills in order to ensure student success and degree completion. Topics include test-taking, note-taking, listening skills, memory techniques, academic regulations, college resources, and career exploration.

SLS2271 Team Self-management with Social Justice Topics **Credit Hours: 3**
This course provides students with the theory and practice of team self-management. It includes leading and working on a self-managing team, and developing project management skills. This course will also help students develop awareness of social justice topics so that they may gain an in-depth understanding of a social justice issue through utilizing primary based research, and scenario planning methodologies.

SLS2715 Student Leadership Development **Credit Hours: 1**
The purpose of this course is to provide effective leadership skills for student leaders to help them develop an ethical, value grounded leadership style for their role as peer mentors and advocates.

SON1003L Fundamentals of Sonography Laboratory I **Credit Hours: 1**
This course incorporates an introduction to ultrasound scanning techniques using ultrasound equipment to practice the principles and protocols to the performance of adequate diagnostic sonographic imaging and Doppler procedures in a supervised setting.

SON1100L Principles & Protocols of Sonographic Imaging **Credit Hours: 2**
An introduction to the basic approaches to sonographic scanning and scanning protocols for the abdomen and pelvis.

SON1111 Abdominal Sonography I **Credit Hours: 2**
An introduction to the cross-sectional anatomy of the abdominal are and its recognition on sonographic visualization systems.

SON1112 Abdominal Sonography II **Credit Hours: 2**
An in-depth presentation of sonographs of the abdominal area stressing deviations from the norm and the studies to make a diagnostically acceptable study.

SON1121 Sonographic OB/GYN I **Credit Hours: 2**
An introduction to the cross-sectional anatomy of the female reproductive system with and without an existing pregnancy. The sonographic recognition of the normal throughout all terms of pregnancy is presented.

SON1122 Sonographic OB/GYN II **Credit Hours: 2**
The detection of anomalies, pathology, deviation from normal and the planes which must be sonographically imaged for accurate diagnosis is stressed.

SON1141 Small Parts Sonography **Credit Hours: 2**
A general introduction to the areas of carotid, eye, thyroid, prostate, scrotum, breast and other superficial structures.

SON1170 Sonography of the Circulatory System **Credit Hours: 2**
An introduction to the hemodynamics of the circulatory systems and the sonographic imaging and Doppler assessment of the cardiac and vascular structures.

SON1211 Medical Sonographic Physics I **Credit Hours: 3**
A study of the principles of diagnostic ultrasound, the fundamental properties of ultrasonic physics, stressing tissue interactions, and interfaces. Focusing characteristics, methods, intensity, and power considerations are introduced along with system resolution considerations.

SON1212 Medical Sonographic Physics II **Credit Hours: 3**
A continuation of the study of the properties of diagnostic ultrasound stressing the operation of diagnostic equipment, the display systems, biological effects and quality assurance methods. Current developments in ultrasound are reviewed, discussed, and evaluated.

SON1214 Practical Aspects of Sonography I **Credit Hours: 2**
A study of the principles of diagnostic ultrasound and practical aspects of scanning techniques, film critique, film identification and patient care and handling as related to sonographic examination. Stressing the operation of diagnostic ultrasound equipment and routine images obtained.

SON1215 Practical Aspects of Sonography II **Credit Hours: 2**
Offering more advanced principles of diagnostic ultrasound, adding knowledge of pathological processes. Further presenting the practical aspects of scanning techniques, film critique, film identification and patient care and handling as related to sonographic examination. Stressing the correlation of all patient data, including sonographic images obtained to assist in the differential diagnosis process.

SON1804 Clinic A **Credit Hours: 2**
Clinical education requiring application of the knowledge learned. Professionalism and personal interaction are stressed along with technical abilities. As the student progresses he or she will be performing examinations with less and less supervision.

SON1814 Clinic B **Credit Hours: 2**
A continuation of the learning by doing process where more responsibility in the form of decision making regarding anatomical areas and resultant imaging is assumed by the student being supervised.

SON1824 Clinic C **Credit Hours: 3**
This clinical course is designed to provide students the opportunity to make judgmental decisions regarding technical aspects, to interact in a professional manner with those with whom he/she comes in contact with, and to generally progress to the point where, after successful testing, he/she may be accepted as a competent sonographer for general sonographic exams.

SON2013L Fundamentals of Sonography Laboratory II **Credit Hours: 1**
This course incorporates ultrasound scanning techniques using ultrasound equipment to practice the principles and protocols to the performance of adequate diagnostic sonographic imaging and Doppler procedures in a supervised setting.

SON2061 Seminar in Sonography **Credit Hours: 1**
A discussion and presentation seminar course on interpersonal skill refinement, employment techniques, and career development. The course also provides a comprehensive curriculum review of all aspects of Sonography and presents details on applying for licensure as students prepare for the transition to the work place.

SON2171 Vascular Sonography **Credit Hours: 3**
Venous and arterial anatomy and hemodynamic functions, both normal and abnormal are stressed. Sonographic imaging techniques for vascular structures and Doppler spectral analysis of normal and pathological patterns are also studied. Student must be an American Registry for Diagnostic Medical Sonography (ARDMS) Registered Sonographer. Special Fee Charged.

SON2175 Vascular Sonography II **Credit Hours: 3**
Arterial anatomy below the neck and head, and its hemodynamic functions, both normal and abnormal, are stressed, along with sonographic imaging techniques for arterial vascular structures, non-imaging testing modalities, and Doppler analysis of normal and abnormal flow patterns.

SON2176 Vascular Sonography III **Credit Hours: 3**
Venous and arterial anatomy and hemodynamic functions of the circulatory system of the neck and head, both normal and abnormal, are stressed, along with sonographic imaging techniques for vascular structures and Doppler analysis of normal and abnormal flow patterns. An understanding of the process of test validation and interpretation of test results will be covered.

SON2400 Introduction to Echocardiography **Credit Hours: 2**
Anatomy of the heart and the procedures used in screening are introduced stressing recognition of the normal verses abnormal.

SON2400L Introduction to Echocardiography Laboratory **Credit Hours: 1**
Laboratory sessions for Introduction to Echocardiography Laboratory (SON2401L) are designed to provide opportunities for the students to practice basic skills of sonographic scanning techniques of normal cardiac structures including real-time and Doppler scanning techniques. Performance of special tests will be practiced on a cardiac simulator. This course incorporates basic ultrasound scanning techniques using ultrasound equipment to practice the principles and protocols to the performance of basic Cardiac diagnostic sonographic imaging and Doppler procedures in a supervised setting.

SON2401 Echocardiography II **Credit Hours: 2**
An in-depth presentation of the intricacies of diagnostic ultrasound as it applies to the heart and the chest stressing its capabilities and its limitations.

SON2401L Echocardiography II Laboratory **Credit Hours: 1**
Laboratory sessions for Echocardiography II Laboratory (SON2401L) are designed to provide opportunities for the students to practice advanced skills of sonographic scanning techniques of normal and abnormal cardiac structures including real-time and Doppler scanning techniques. Performance of special tests will be practiced on a cardiac simulator. This course incorporates advanced ultrasound scanning techniques using ultrasound equipment to practice the principles and protocols to the performance of entry-level Cardiac diagnostic sonographic imaging and Doppler procedures in a supervised setting.

SON2834 Clinic D **Credit Hours: 3**
A course designed to add additional clinical competencies to those gained in the specialties mastered in the first year. Emphasis on specialty of echocardiography with clinical application of classroom material presented. To continue to make judgment decisions regarding the technical aspects of diagnostic sonographic exams.

SON2844 Clinic E **Credit Hours: 3**
Application of all the materials presented requiring the student to interact in a professional manner, to make judgment decisions regarding the technical aspects, and to generally progress to the point where he/she may be accepted as a competent sonographer. Further mastering of all skills gained, emphasizing echocardiography and cardiovascular examination techniques. Clinical application of classroom material presented.

SOP2002 Social Psychology **Credit Hours: 3**

This course provides scientifically based constructs used in understanding social phenomena and their impact on the individual. Identification of the social and psychological variables that give human behavior a predictable base is stressed. Topics considered include human nature, psychological development, sex role identification love, affiliation, aggression, image management, attitudes, opinion manipulation, morality, leadership, group dynamics, attribution and construct theory. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

SOW2020 Introduction to Social Welfare **Credit Hours: 3**

This is a beginning course in the behavioral science based field of social work. It aims at introducing the student to the historical, political policy and methodological systems that have interacted to produce the institutions of welfare services and the profession of social work.

SOW2054 Social Service Field Experience I **Credit Hours: 3**

A survey and orientation to organization, and operations of the social service setting. Contact with and participation in social service agencies to make students aware of community resources is a goal of this course. Part of the course's activities can include volunteer participation in an agency or a supervised review of an agency in which a person is employed.

SPC1024 Introduction to Speech Communication **Credit Hours: 3**

This course is designed to provide students with fundamental training and practical experience for researching, organizing, and delivering speeches in public situations. Topics include: audience analysis, speech anxiety, critical listening, and preparation and delivery of informative, persuasive, and other possible types of public speeches in various cultural context with emphasis on academic and scholarly research. Students will also learn to effectively incorporate audio and visual aids/technologies for effective speeches. This is an International/Intercultural competency course.

SPC1511 Argumentation & Debate **Credit Hours: 3**

The student, upon completion of this course, should achieve proficiency in the principles of argumentation including analysis, evidence, inference, and refutation as they pertain to the debate situation in democratic society.

SPC1608 Introduction to Public Speaking **Credit Hours: 3**

This course is designed to provide students with fundamental training and practical experience for speaking in public, business, and professional situations. Topics include: audience analysis, speech anxiety, critical listening, and preparation and delivery of speeches in various cultural contexts. Students will also learn to effectively incorporate audio and visual aids/technologies for effective speeches. This is an International/Intercultural competency course.

SPN1000 Elementary Spanish Conversation **Credit Hours: 3**

This course concentrates on the development of oral and conversational skills and is designed for the everyday use of the Spanish language. One hour language laboratory practice recommended per week. Special fee charged.

SPN1120 Beginning Spanish I **Credit Hours: 4**

Fundamentals of speaking, listening-comprehension, reading, writing, and Hispanic culture. Classroom practice and exercises supplemented by laboratory and/or multi-media designed to develop communicative competence and cultural sensitivity. Student expected to continue further implementation and expansion of their proficiencies in SPN1121 and SPN2220. Students are encouraged to study abroad.

SPN1121 Beginning Spanish II **Credit Hours: 4**

Continuation of SPN 1120. Further development of the basic skills in speaking, listening-comprehension, reading, writing, and appreciation of culture. Classroom practice and exercises supplemented by laboratory and/or multi-media activities designed to develop and enhance communicative competence and cultural sensitivity. Skills and concepts are further polished in SPN2220. Students are encouraged to study abroad.

SPN1170 Spanish Study Travel **Credit Hours: 3**

A course designed for students who wish to combine the study of Spanish with subsequent travel to a Spanish speaking region.

SPN2201 Intermediate Spanish II **Credit Hours: 4**

Emphasis on composition, reading comprehension and conversation. A more in depth review of the history, geography, literature, and current issues of Spain and Spanish America. Students will acquire a greater knowledge of these diverse two cultures and gain more fluency in oral and written communication. This course completes the intermediate level. This course meets the foreign language requirement and it is an International/Intercultural competency course.

SPN2220 Intermediate Spanish I **Credit Hours: 4**

This course is a continuation of SPN1121. The course further develops competencies in listening and reading comprehension, speaking, and writing. Cultural components are embedded through the introduction of complex grammatical and idiomatic structures. Classroom practice and exercises supplemented by laboratory and multimedia activities designed to develop and enhance communicative competence and cultural sensitivity. This course includes compositions and readings in Hispanic prose and poetry. Special fees charged. This course meets the foreign language requirement and is an International/Intercultural competency course.

SPN2240 Intermediate Spanish Conversation **Credit Hours: 3**

Course may be taken in conjunction with SPN2220 or SPN2201 but cannot displace either one of those courses as a college parallel requirement. The purpose of this course is to permit that student who wishes to increase his comprehension and speaking facility in Spanish to be in a class where the emphasis is totally on the oral approach and where a greater variety of topics will be discussed at a faster pace than the required SPN2201 course would allow.

SPN2340 Spanish for Spanish Speakers I **Credit Hours: 4**

This course is designed for Spanish Speakers who have an oral command of the language but whose knowledge of written and/or formal Spanish is limited or incomplete. Class is conducted entirely in Spanish with emphasis on the improvement of spelling, grammar, vocabulary, reading, writing, and oral skills. Emphasis is placed on the correction of typical errors created by the influence of English. Every unit examines important social and cultural aspects of the Hispanic world. Special fee is charged.

SPN2955 Study Abroad: Advanced Composition & Conversation I **Credit Hours: 3**

For students wishing to attain greater proficiency in spoken and written Spanish. Conversation and composition based on selected readings and a variety of contemporary topics. This course is used only in BC Study Abroad Programs.

STA1001 Pathway to Statistics **Credit Hours: 3**

STA1001 will lay the foundation for further statistical study. This course introduces basic statistical concepts and focuses on data analysis and quantitative reasoning. This course emphasizes both written and verbal communication of statistical concepts and helps prepare the student for inferential statistics courses. STA1001 is designed for students who do not intend to major in math, science, computer science, business, etc.

STA2023 Statistics **Credit Hours: 3**

A first course in statistical methods including such topics as collecting, grouping, and presenting data; measures of central tendency, position, and variation; theoretical distributions; probability; test of hypotheses; estimation of parameters; and regression and correlation. Use of statistical computer software and/or a scientific calculator (capable of performing 2-variable statistics) will be required. Recommendation of the Mathematics Department or at least a grade of "C" in the prerequisite course is required.

SWS2242C Wetlands Management I **Credit Hours: 3**

This course provides the background to define a wetland using indigenous plant forms, aquatic conditions, geology and applicable laws and regulations. The strategies and techniques needed to maintain natural habitats are outlined.

Course consists of classroom and extensive field work. Completion of any of the horticultural biology, zoology, or native plant courses would be helpful and is suggested.

SWS3022 Introduction to Soil Science **Credit Hours: 3**
The course will cover the fundamentals of soil science; the physical, chemical and biological properties of soils in relation to plant growth and environmental problems.

SYG2000 Principles of Sociology **Credit Hours: 3**
This course is designed to introduce students to the basic terminology, theories, research and topics sociologists study. More specifically, students will be introduced to the relationship between the individual and society; how social structures, such as organizations, family, the mass media, etc., shape views, perceptions, and behaviors; and to society's issues and problems. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

SYG2010 Social Problems **Credit Hours: 3**
This course is an examination of the major social problems found in our changing social environment. More specifically, students will be introduced to a variety of topics which may include inequality based on class, race, ethnicity, education, age; violence in society; the changing family; social problems related to gender and sexual behavior; global social problems. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

SYG2230 Contemporary Race & Ethnic Studies **Credit Hours: 3**
A study of minority dominant relations with emphasis on ethnic, racial, and religious minorities. This is an International/Intercultural competency course.

SYG2322 Juvenile Delinquency **Credit Hours: 3**
A study of juvenile and delinquent behavior and its development which focuses on the social structure of society to find patterns of delinquent activity and its causations.

SYG2323 Introduction to Criminology **Credit Hours: 3**
A study of crime and criminal behavior, and its cause and related effects on society, with an emphasis given to criminal theory, and the sociological implications of criminal behavior.

SYG2340 Sociology of Human Sexuality **Credit Hours: 3**
The Sociology of Human Sexuality is a general review of the scientific principles related to the study of human sexuality. Topics include: the cultural context of sexuality, theoretical perspectives of sexuality, research methods, gender/sex roles, sexual orientation, sexual coercion, sexual anatomy, sexual arousal, pregnancy, STDs/STIs, love and human intimacy, and human sexuality through the life course. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

SYG2421 Marriage & Families: Intercultural Comparison **Credit Hours: 3**
A study of the institution of the family utilizing historical, cross cultural and sub-cultural comparisons to understand the background evolution and current familiar structures of the world.

SYG2441 Social Institutions **Credit Hours: 3**
A study of the institutions of pre-industrial, industrial, and post-industrial societies. Special emphasis is on theories of social organization, social change, and the exploration of each institution in world societies.

SYG2905 Independent Study in Sociology **Credit Hours: 3**
A direct course of study in Sociology. This course will be available to both majors and non-majors who wish to investigate a particular problem. Students will apply for the course and submit an application to the Head of the Behavioral Sciences Department via an instructor with whom he wants to work.

SYG2940 Sociology Field School **Credit Hours: 1**
This course is designed to provide an on-scene study of sociological topics from the various perspectives provided in a field school setting. Laboratory research and observational techniques are used in providing the learning experiences of this course.

SYG2942 Sociology Field School **Credit Hours: 3**
This course is designed to provide an on-scene study of sociological topics from the various perspectives provided in a field school setting. Laboratory research and observational techniques are used in providing the learning experiences of this course in domestic and foreign social settings.

TAX2000 Income Tax I **Credit Hours: 3**
This course covers principles of federal income taxation applicable to individuals. The course is designed for students to acquire the basic knowledge necessary in the preparation of individual tax returns. Sample tax returns will be prepared.

TAX2010 Income Tax II **Credit Hours: 3**
This course is a continuation of TAX2000 with emphasis on income tax laws applicable to partnerships and corporations. A brief survey of estate and gift taxes will be undertaken. Sample tax returns will be prepared.

THE2000 Theatre Appreciation **Credit Hours: 3**
A course designed to acquaint the student with the elements of theatre and how they combine and interact to create the live theatre experience. Lecture and discussion will investigate the nature and art of theatre, while the viewing of videotaped and live stage plays will furnish examples of the various dramatic genres, including tragedy, comedy and musical theatre. This is an International/Intercultural competency course.

THE2051L Children's Theatre Production **Credit Hours: 3**
Participation in the rehearsal and production of the Children's Theatre Program, which continues during the entire term.

THE2052L Children's Theatre Technical **Credit Hours: 3**
Participation in the technical aspects of the Children's Technical Theatre Program.

THE2100 Survey of Theatre History **Credit Hours: 3**
A study of Theatre from its beginnings to modern times. This course meets the college's International/Intercultural requirement.

THE2300 Survey of Dramatic Literature **Credit Hours: 3**
A study of dramatic literature from the time of the early Greeks to recent dramatists in light of the historic, socio-political milieu of the era that promulgates the particular genre. Plays will be analyzed from a dramaturgical point of view. This is a writing credit course with International/Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

TPA1290 Technical Theatre Laboratory I **Credit Hours: 1**
Participation as technician in the dramatic and musical productions of the college.

TPA1291 Technical Theatre Laboratory II **Credit Hours: 2**
Participation as technician in the Dramatic and Musical productions of the college.

TPA1292 Technical Theatre Laboratory III **Credit Hours: 3**
Participation as technician in the Dramatic and Musical productions of the college.

TPA2000C Introduction to Theatre Design **Credit Hours: 3**
An introduction to the techniques, practices, and processes in scenic, lighting, costume, and sound design. The course includes a period styles overview, script analysis, and a survey of appropriate paperwork required by each area.

TPA2192L Summer Theatre/Technical Production **Credit Hours: 3**
Participation in the technical aspects of a theatrical production including but not limited to stagecraft, stage management, properties, costuming, wardrobe, lighting, sound, stage makeup and house management.

TPA2200 Stagecraft **Credit Hours: 3**
An investigation of the principles of stagecraft, lighting, props and set construction.

TPA2220 Introduction to Stage Lighting **Credit Hours: 3**
An historical background of theatrical lighting technology and design and an introduction to the tools and concepts used by the lighting technician from primitive equipment to the modern computer system.

TPA2248 Makeup for Stage & Television **Credit Hours: 3**
The theoretical and practical application of all types of straight and character make-up for the stage and television.

TPA2900 Directed Independent Student (Capstone) **Credit Hours: 3**
Individual study by students under the direction of a faculty member. Topics are selected on an individual basis as a Capstone project for technical theatre majors. Hours and levels may vary.

TPP1190L Performance Laboratory I **Credit Hours: 1**
Upon successful completion of this course, students will be able to analyze and create a dramatic character on stage in a theatrical production of the college. For each production, students will learn to understand the genre of the play and adopt appropriate acting styles and techniques. They will learn how to uncover clues in the script which will reveal character objectives and tactics. Additionally, students will create characters through analysis, improvisation, and the development of psychophysical actions grounded in the given circumstances of the play. This information will guide the student actor to make distinct choices regarding the physical and vocal qualities of each character being portrayed.

TPP1191L Performance Laboratory II **Credit Hours: 2**
Upon successful completion of this course, students will be able to analyze and create a dramatic character on stage in a theatrical production of the college. For each production, students will learn to understand the genre of the play and adopt appropriate acting styles and techniques. They will learn how to uncover clues in the script which will reveal character objectives and tactics. Additionally, students will create characters through analysis, improvisation, and the development of psychophysical actions grounded in the given circumstances of the play. This information will guide the student actor to make distinct choices regarding the physical and vocal qualities of each character being portrayed.

TPP1192L Performance Laboratory III **Credit Hours: 3**
Upon successful completion of this course, students will be able to analyze and create a dramatic character on stage in a theatrical production of the college. For each production, students will learn to understand the genre of the play and adopt appropriate acting styles and techniques. They will learn how to uncover clues in the script which will reveal character objectives and tactics. Additionally, students will create characters through analysis, improvisation, and the development of psychophysical actions grounded in the given circumstances of the play. This information will guide the student actor to make distinct choices regarding the physical and vocal qualities of each character being portrayed.

TPP2110C Acting I **Credit Hours: 3**
Study and development of acting skills concentrating on the student's ability to believe and exist in imaginary circumstances as if they were real, and to transmit those beliefs clearly and artfully to an audience.

TPP2111C Acting II **Credit Hours: 3**
Building on the foundations established in Acting I, Acting II focuses on a close examination of the dramatic text which becomes the basis for character development and scene work. Students will analyze and perform two scenes and two monologues during the term. Students will learn to use their bodies as artistic instruments with ease and concentration, expressive of the inner and outer life of a given character.

TPP2190L Rehearsal & Performance I **Credit Hours: 3**
Participation in the audition, rehearsal and performance process of a theatrical stage production.

TPP2260C Performance in Film **Credit Hours: 3**
Introduction to the various approaches to acting on film and television. A number of genres will be examined including film acting, commercial acting, and various styles of television acting. Students will also learn about Audition techniques for the medium as well as how to prepare for professional employment through studio work and marketing materials.

TPP2500C Movement for the Actor **Credit Hours: 3**
An academic study and practical application of the principles of stage movement for the actor. Students will expand their range of movement through vocal and physical effort training.

TPP2700C Intro to Voice **Credit Hours: 3**
An academic study and practical application of the efficient and effective use of the speaking voice, particularly in meeting the special demands of acting for the stage. The theories and principles of the course will be applied in written assignments, oral performances before the class, and through vocal exercises.

TPP2701C Voice & Articulation II **Credit Hours: 3**
Application of techniques studied in Intro to Voice, with emphasis on the study of vocal posture and the International phonetic Alphabet. Students will continue to apply differentiation of sounds and adjustment of vocal posture to achieve appropriate dialects for acting assignments. Students will also develop vocal skills needed to embody intention and character in Shakespearean texts. The theories and principles of the course will be applied in written assignments, oral performances before the class, and through vocal exercises done in class.

TPP2900L Directed Independent Study (Capstone) **Credit Hours: 3**
Individual study in performance under supervision and direction of a Faculty member. Topics selected on an individual basis as a Capstone project for theatre majors.

TRA1010 Introduction to Transportation & Logistics **Credit Hours: 3**
This course deals with the role of logistics in the economy and the organization. Topics explored are customer service, logistics information systems, inventory management, material management and supply chain management. The objective is to explore the full scope of the transportation plant and its services as a necessary preparation to efficient use of the transportation system.

TRA1154 Supply Chain Management **Credit Hours: 3**
This course presents an integrated approach to the management of activities involved in moving goods and services from suppliers to customers. The course will focus on what employees and managers must do to ensure an effective supply chain exists in their organization. Students will learn about SCM functions, warehousing, purchasing and inventory, e-commerce, information flow and customer service.

TRA2098 Warehouse Operations **Credit Hours: 3**
This course will enable students to understand the various functions involved in the operation of a warehouse. Key elements include: the role of warehousing in the supply chain, storage and handling techniques, performance metrics, customer service considerations, and safety concerns across various types of distribution facilities

TRA2930 Seminar in Global Trade & Logistics **Credit Hours: 1**
This course focuses on current and emerging issues in global trade and logistics. Its format and topic will vary, but will include a full day or a half day seminar conducted by one or more industry experts who will address specific global trade and logistic topics such as, but not limited to: Functions comprising logistics; How logistics affects customer service, corporate performance and competitive advantage; Key logistics processes of supply chain management; Effective strategies for logistics managers; Key differences between domestic and international logistics; Developing strategies to effectively manage logistics; Recognizing the role played key logistics intermediaries that facilitate global trade.

TRA3132 Procurement Management **Credit Hours: 3**
This course presents current and thorough coverage in the critical area of procurement for logistics managers. Students gain insight and knowledge into the strategies, processes, and practices of procurement, including demands placed on procurement managers, the ethical, contractual and legal issues faced by procurement professionals, and the impact of procurement and supply chain management on the competitive success and profitability of the organization.

TRA3155 Supply Chain Management II **Credit Hours: 3**
This course is an overview of logistics' functions within a firm and in the context of integrated vertical systems. Topics include customer service, information flow inventory control, materials management, order processing, packaging, and physical distribution.

TRA3163 Supply Chain Quality Management **Credit Hours: 3**
This course focuses on quality enhancement methodologies within the supply chain. Students will learn how to assess the current position of a firm and identify an effective strategy for improvement based on a profound understanding of the company, market, processes, and customers.

TRA3936 Seminar/Special Topics **Credit Hours: 3**
This course focuses on current and emerging issues in supply chain management. Its format and topic will vary, but will include a full day or a half day seminar conducted by one or more industry experts who will address specific supply chain management topics such as customer service, logistics information systems, inventory management, material management, warehousing, purchasing and inventory, e-commerce, global trade, order processing, physical distribution, transportation, import-export compliance, or other supply chain management issues. Specific requirements will vary based on topic assignments.

TRA4153 Applied Production/Operations Management **Credit Hours: 3**
This course provides management and analytical concepts/tools for the management of operations and the decision-making process within the scope of the supply chain. Recently, operations strategy has provided companies with a competitive advantage in supply chains and transportation. Decision-making regarding operational issues is one of the most common tasks within organizations. This course will enable the student to perform the quantitative analysis necessary and understand the management issues in order to make good operational decisions within the supply chain.

TRA4721 Global Logistics/Import & Export **Credit Hours: 3**
This course encompasses logistics activities of multinational firms, international transportation systems, global sourcing, customer service, facility location, inventory management, customs issues, export-import activities, and the role of governments.

TRA4910 Directed Independent Research in Supply **Credit Hours: 3**
This course is intended to help students acquire skills in applying research principles and obtaining practice in rigorous data collection and reporting.

TRA4945 Supply Chain Management Option (1) Internship or Option (2) Practicum **Credit Hours: 3**
This course is a practical application in a clinical setting of knowledge acquired in the classroom.

TSL3080 ESOL Issues & Strategies I **Credit Hours: 3**
This course is designed to introduce the underlying issues, theories and practices of the teaching of ESOL (English for Speakers of Other Languages). The goal of this course is to develop the foundations of knowledge necessary to prepare educational professionals to understand the concepts upon which second language acquisition and instruction are based. Course emphasizes the Florida/LULAC Consent Degree and language/literacy development. 10 school- based hours are required.

TSL4081 ESOL Issues & Strategies II **Credit Hours: 3**
This course is designed to build on the foundation course in TESOL for students in integrated pre-service teacher education programs. The goal of this course is to link the theory and practice for effective teaching of ESOL students. The course will focus primarily on methods, curriculum and assessment of ESOL students in the areas of language development, and content areas. Effective strategies regarding reading instruction for ELL students will be emphasized.

WOH2040 World in the 20th Century **Credit Hours: 3**
This course is an examination of the major political, social, economic, intellectual, diplomatic, and military developments and events of the 20th century. It will employ a chronological approach to several major themes which frame the history of the contemporary world: the decline of European hegemony in the course of two major wars and a world depression; the concomitant challenge to western supremacy from Asia; a half-century of superpower hostility following the outbreak of the cold war; and the transformation of global politics in light of the collapse of the U.S.S.R. and the end of the Cold War. This is a writing credit course with International/Intercultural

content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

ZOO2010 General Zoology **Credit Hours: 3**
Basic course pertaining to the development, anatomy, physiology, genetics, ecology and evolutionary relationships of the animal kingdom. Upon successful completion of this course, the students will be able to comprehend the basic zoological principles and processes of phylogeny, physiology, genetics and ecology.

ZOO2010L General Zoology Laboratory **Credit Hours: 1**
Upon successful completion of this course, the students should be able to demonstrate a knowledge of the animal kingdom through prescribed activities that focus on the morphology, anatomy, and physiology of selected representative specimens. Laboratory experiments and activities to accompany ZOO2010. Dissection of animals is a component of this course.

ZOO4234 General Parasitology **Credit Hours: 3**
General Parasitology covers the biology of eukaryotic parasites with emphasis on species of medical and veterinary importance. Students will learn about basic principles and concepts in parasitology and will examine the systematics, morphology, life histories, pathogenesis, epidemiology, and control of parasitic protozoa, flatworms, nematodes, and arthropods.

ZOO4234L General Parasitology Laboratory **Credit Hours: 1**
General Parasitology Laboratory is designed to accompany General Parasitology. Students will learn to recognize parasitic protozoa, flatworms, roundworms, and arthropods and be able to describe their morphology. They also learn techniques for the collection and preservation of eukaryotic parasites.

ZOO4713 Comparative Vertebrate Anatomy & Physiology **Credit Hours: 3**
This course is designed to familiarize the student with morphological and anatomical features of vertebrates from a comparative evolutionary perspective. The course starts with an introduction to the comparative method, including evolutionary concepts such as homology and homoplasy. The underlying biology of tissue-organ systems and evolutionary perspectives on the origin, maintenance, and diversification of form among the vertebrates will be discussed. The remainder of the course will be an overview of major organ systems, interspersed with discussion of particular vertebrate phenomenon that highlight the development, function and/or evolution of these organ systems.

ZOO4713L Comparative Vertebrate Morphology & Physiology Laboratory **Credit Hours: 1**
The course is the accompanying laboratory course to ZOO4713. The 3 hours of laboratory per week complements the lecture topics which include evolutionary relationships among the vertebrate groups, and a comparison of major physiological systems; nerve, muscle, respiration, circulation, osmoregulation, excretion, temperature regulation and energy metabolism. Conditioning systems, air conditioning tools and equipment, lines, fittings, and valves, operational checks and adjustment, minor repairs, and the special tools and instruments to be used.

CATALOG APPENDICES

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Appendix A

Course Information Table

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ACG1003	--	--	--	--	--	--
ACG2001	--	--	--	--	--	--
ACG2011	ACG2001 (C)	--	--	--	--	--
ACG2071	ACG2011 (C)	--	--	--	--	--
ACG2100	ACG2011	--	--	--	--	--
ACG2110	ACG2100	--	--	--	--	--
ACG2450C	ACG1003 (C) **OR** ACG2001 (C)	--	--	$8.00	--	--
AER1070C	--	--	--	--	--	--
AER1081C	--	--	--	$27.00	$6.00	--
AER1082C	--	--	--	$30.00	$6.00	$8.25
AER1197C	AER1082C (C)	--	--	$27.00	$6.00	--
AER1198C	--	--	--	$39.00	$6.00	
AER1396C	AER1082C (C)	--	--	$31.00	$6.00	--
AER1496C	AER1082C (C)	--	--	$12.00	$6.00	--
AER1594C	AER1082C (C)	--	--	$21.00	$6.00	--
AER1690C	AER1082C (C)	--	--	$67.00	$6.00	--
AER1694C	AER1082C (C)	--	--	$46.00	$6.00	--
AER1695C	--	--	--	$23.00	$6.00	
AER1698C	--	--	--	$25.00	$6.00	--
AER2070C	AER2895C (C)	--	--	--	--	--
AER2291C	AER1082C (C)	--	--	$14.00	$6.00	--
AER2298C	--	--	--	$29.00	$6.00	--
AER2398C	--	--	--	$32.00	$6.00	--
AER2498C	AER1081C (C)	--	--	$32.00	$6.00	--
AER2598C	--	--	--	$37.00	$6.00	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AER2758C	--	--	--	$22.00	$6.00	
AER2798C	AER1082C (C)	--	--	$29.00	$6.00	--
AER2895C	--	--	--	$20.00	$6.00	--
AER2896C	AER1690C (C) *AND* AER1694C (C)	--	--	$37.00	$6.00	--
AER2898C	--	--	--	$23.00	$6.00	--
AER2899C	AER2896C (C)	--	--	$27.00	$6.00	--
AER2949	--	--	--	--	$6.00	--
AER2951	--	--	--	--	$6.00	--
AER2952	--	--	--	--	$6.00	--
AER2953	--	--	--	--	$6.00	--
AER2954	--	--	--	--	$6.00	--
AFR1101	--	--	--	--	--	--
AFR1111	--	--	--	--	--	--
AFR2130	--	--	--	--	--	--
AFR2131	--	--	--	--	--	--
ALS4162	--	BSC2010 (C) *AND* BSC2010L (C)	--	--	--	--
ALS4163	ENY3005 (C)					
AMH2010	--	--	--	--	--	--
AMH2020	--	--	--	--	--	--
AMH2035	--	--	--	--	--	--
AMH2091	--	--	--	--	--	--
AML2010	--	--	--	--	--	--
AML2020	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AML2600	--	--	--	--	--	--
AML2631	--	--	--	--	--	--
AMT0010C	--	--	--	--	--	--
AMT0020C	--	--	--	$9.00	$6.00	--
AMT0030C	--	--	--	$56.00	$6.00	--
AMT0040C	--	--	--	$22.00	$6.00	--
AMT0050C	--	--	--	$29.00	$6.00	--
AMT0060C	--	--	--	$15.00	$6.00	--
AMT0070C	--	--	--	--	--	--
AMT0081C	--	--	--	$9.00	--	--
AMT0090C	--	--	--	--	--	--
AMT0091C	--	--	--	$38.00	--	--
AMT0110C	--	--	--	$11.00	$6.00	--
AMT0115C	--	--	--	$13.00	$6.00	--
AMT0120C	--	--	--	$60.00	$6.00	--
AMT0130C	--	--	--	$158.00	$6.00	--
AMT0140C	--	--	--	$95.00	$6.00	--
AMT0155C	--	--	--	$60.00	$6.00	--
AMT0160C	--	--	--	$27.00	$6.00	--
AMT0200C	--	--	--	$50.00	$6.00	--
AMT0210C	--	--	--	$53.00	$6.00	--
AMT0220C	--	--	--	$27.00	$6.00	--
AMT0230C	--	--	--	$31.00	$6.00	--
AMT0240C	--	--	--	$16.00	$6.00	--
AMT0250C	--	--	--	$21.00	$6.00	--
AMT0260C	--	--	--	$84.00	$6.00	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s (Minimum Grade Required)	Co-requisite(s)) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AMT0270C	--	--	--	$25.00	$6.00	--
AMT0285C	--	--	--	$32.00	$6.00	--
AMT0300C	--	--	--	$116.00	$6.00	--
AMT0312C	--	--	--	$63.00	$6.00	--
AMT0320C	--	--	--	$16.00	$6.00	--
AMT0400C	--	--	--	$27.00	$6.00	--
AMT0410C	--	--	--	$21.00	$6.00	--
AMT0420C	--	--	--	$14.00	$6.00	--
AMT0435C	--	--	--	$29.00	$6.00	--
AMT0440C	--	--	--	$97.00	$6.00	--
AMT0450C	--	--	--	$24.00	$6.00	--
AMT0451C	--	--	--	$44.00	$6.00	--
AMT0460C	--	--	--	$23.00	$6.00	--
AMT0475C	--	--	--	$32.00	$6.00	--
AMT0490C	--	--	--	$35.00	$6.00	--
AMT1001	--	--	--	$38.00	--	--
AMT1010	--	--	--	--	--	--
AMT1020	--	--	--	$9.00	$6.00	--
AMT1030	--	--	--	$56.00	$6.00	--
AMT1040	--	--	--	$22.00	$6.00	--
AMT1050	--	--	--	$29.00	$6.00	--
AMT1060	--	--	--	$15.00	$6.00	--
AMT1070	--	--	--	--	--	--
AMT1081	--	--	--	$9.00	--	--
AMT1090	--	--	--	--	--	--
AMT1115	--	--	--	$13.00	$6.00	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AMT1120	--	--	--	$60.00	$6.00	--
AMT1130	--	--	--	$158.00	$6.00	--
AMT1140	--	--	--	$95.00	$6.00	--
AMT1155	--	--	--	$60.00	$6.00	--
AMT1160	--	--	--	$27.00	$6.00	--
AMT1200	--	--	--	$50.00	$6.00	--
AMT1210	--	--	--	$53.00	$6.00	--
AMT1220	--	--	--	$27.00	$6.00	--
AMT1230	--	--	--	$31.00	$6.00	--
AMT1231C	EET1141C (C) AND EET1015C (C) AND EET1025C (C)	--	--	--	--	--
AMT1240	--	--	--	$16.00	$6.00	--
AMT1250	--	--	--	$21.00	$6.00	--
AMT1260	--	--	--	$84.00	$6.00	--
AMT1261C	EET1141C (C) AND EET1015C (C) AND EET1025C (C)	--	--	--	--	--
AMT1270	--	--	--	$25.00	$6.00	--
AMT1285	--	--	--	$32.00	$6.00	--
AMT2231C	AMT1231C (C)	--	--	--	--	--
AMT2261C	AMT1261C (C)	--	--	--	--	--
AMT2300	--	--	--	$116.00	$6.00	--
AMT2312	--	--	--	$63.00	$6.00	--
AMT2320	--	--	--	$15.00	$6.00	--
AMT2400	--	--	--	$27.00	$6.00	--

AMT2410	--	--	--	$21.00	$6.00	--
AMT2420	--	--	--	$14.00	$6.00	--
AMT2435	--	--	--	$29.00	$6.00	--
AMT2440	--	--	--	$97.00	$6.00	--
AMT2450	--	--	--	$24.00	$6.00	--
AMT2451	--	--	--	$44.00	$6.00	--
AMT2460	--	--	--	$23.00	$6.00	--
AMT2475	--	--	--	$32.00	$6.00	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AMT2490	--	--	--	$35.00	$6.00	--
ANT2000	--	--	--	--	--	--
ANT2140	--	--	--	--	--	--
ANT2211	--	--	--	--	--	--
ANT2381	--	--	--	--	--	--
ANT2825	--	--	--	--	--	--
ANT2905	--	--	--	--	--	--
APA1111C	--	--	--	--	--	--
ARC1056C	--	--	--	$6.00	--	--
ARC1126C	--	--	--	$6.00	--	--
ARC1301C	--	ARC1126C (C)	--	$6.00	--	--
ARC1302C	ARC1301C (C)	ARC2201 (C)	--	$6.00	--	--
ARC1701	--	--	--	--	--	--
ARC2201	--	--	--	--	--	--
ARC2303C	ARC1302C (C) *AND* ARC2201 (C)	--	--	$6.00	--	--
ARC2304C	ARC2303C (C)		--	$6.00	--	--
ARC2461	--	--	--	--	--	--
ARC2580	MAC1105 (C)	--	--	--	--	--
ARH2000	--	--	--	--	--	--
ARH2050	--	--	--	--	--	--
ARH2051	--	--	--	--	--	--
ARH2351	--	--	--	--	--	--
ART1201C	--	--	--	$7.00	--	--
ART1203C	--	--	--	$45.00	--	--
ART1300C	--	--	--	$6.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ART1301C	ART1300C	--	--	--	--	--
ART1431C	ART1300C (C)	--	--	$150.00	--	--
ART1600C	--	--	--	$59.00	--	--
ART2205C						
ART2330C	ART1300C	--	--	$75.00	--	--
ART2400C	ART1300C	--	--	$75.00	--	--
ART2500C	ART1201C *AND* ART1300C	--	--	--	--	--
ART2501C	ART2500C	--	--	--	--	--
ART2540C	--	--	--	--	--	--
ART2623C	ART1300C (C) **OR** ART1600C (C) **OR** GRA2190C (C)	--	--	--	--	--
ART2701C	--	--	--	$75.00	--	--
ART2750C	--	--	--	$76.00	--	--
ART2751C	ART2750C (C)	--	--	$15.00	--	--
ART2752C	ART2750C (C)	--	--	$55.00	--	--
ART2754C	ART2750C (C)	--	--	$52.00	--	--
ART2777	ART2950 (B)	--	--	--	--	--
ART2905	ART1201C *AND* ART1203C *AND* ART1300C	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ART2906	ART2750C (C) *AND* ART2751C (C) **OR** ART2750 (C) *AND* ART2752C (C) **OR** ART2750C (C) *AND* ART2754C (C)	--	--	$54.00	--	--
ART2907	ART1300C *AND* ART2330C	--	--	--	--	--
ART2908	ART1203C *AND* ART2701C	--	--	$36.00	--	--
ART2909	ART2500C *AND* ART2501C	--	--	--	--	--
ART2931C	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ART2932C	ART2750C (C) *AND* ART2751C (C) **OR** ART2750 (C) *AND* ART2752C (C) **OR** ART2750C (C) *AND* ART2754C (C)	--	--	$67.00	--	--
ART2950	--	--	--	--	--	--
ART2954C	--	--	--	--	--	--
ASC1010	--	--	--	--	--	--
ASC1100	--	ATT1100 (C)	--	--	--	--
ASC1210	ASC1100 (C) *AND* ATT1100 (C)	--	ASC2110 (C) *AND* ATT2120 (C)	--	--	--
ASC1550	ASC1100 (C) *AND* ATT1100 (C)	--	--	--	--	--
ASC1610	ASC1100 (C) *AND* ATT1100 (C)	--	--	--	--	--
ASC2110	ASC1100 (C) *AND* ATT1100 (C)	--	ASC1210 (C) *AND* ATT2120 (C)	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ASC2320	--	--	--	--	--	--
ASC2472	ASC1100 (B) *AND* ATT1100 (B) *AND* ATT2820 (B) *AND* ATT1810 (B)	--	--	--	--	--
ASC2870	ASC1100 (C) *AND* ATT1100 (C)	--	--	--	--	--
ASC2949	--	--	--	--	--	--
ASL1140	--	--	--	--	--	--
ASL1150	ASL1140 (C)	--	--	--	--	--
ASL2160	ASL1150 (C)	--	--	--	--	--
AST1002	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AST1003	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC1147 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAP2302 (C) **OR** MAS2103 (C) **OR** MAT0028C (C) **OR** MAT1033 (C) **OR** MGF1106 (C) **OR** MGF1107 (C) **OR** STA2023 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AST1004	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC1147 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAT0028C (C) **OR** MAT1033 (C)	--	--	--	--	--
AST1022L	--	AST1002 **OR** AST1003 **OR** AST1004	--	$6.00	--	--
AST1037	MAT0028C (C)	--	--	--	--	--
ATF1100		--	ASC1100 (C) *AND* ATT1100 (C)	$79.00	--	--
ATF2204	ATF2305 (C)	--	ATT2110 (C)	--	--	--
ATF2205	ATF2204 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ATF2305	ATF1100 (C)	--	ASC1210 (C) *AND* ASC2110 (C) *AND* ATF2600 (C) *AND* ATT2120 (C)	--	--	--
ATF2400	--	--	ATF2630 (C)	--	--	--
ATF2500	--	--	--	--	--	--
ATF2600	ASC1100 (C) *AND* ATF1100 (C) *AND* ATT1100 (C)	--	ATF2200	$79.00	--	--
ATF2630	ASC1100 (C) *AND* ATF1100 (C) *AND* ATT1100 (C)	--	ATF2400 (C)	$79.00	--	--
ATT1100	--	--	ASC1100	--	--	--
ATT2110	ASC1100 (C) *AND* ATT1100 (C)	--	--	--	--	--
ATT2120	ASC1100 (C) *AND* ATT1100 (C)	--	ASC1210 (C) *AND* ASC2110 (C)	--	--	--
ATT2820	--	--	ASC1100 (C) *AND* ATT1100 (C)	$182.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ATT2821C	ASC1100 (B) *AND* ATT1100 (B) *AND* ATT2820 (B) *AND* ATT2822C (B)	--	--	$182.00	--	--
ATT2822C	ASC1100 (B) *AND* ATT1100 (B) *AND* ATT2820 (B) *AND* ATT1810 (B)	--	--	$182.00	--	--
ATT2824C	ASC1100 (B) *AND* ATT1100 (B) *AND* ATT2820 (B) *AND* ATT1810 (B)	--	--	$182.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ATT2890	ASC1100 (B) *AND* ASC1210 (B) *AND* ASC1610 (B) *AND* ASC2472 (B) *AND* ATT1100 (B) *AND* ATT1810 (B) *AND* ATT2820 (B) *AND* ATT2821C (B) *AND* ATT2822C (B) **OR** ASC1100 (B) *AND* ASC1210 (B) *AND* ATT1100 (B) *AND* ATT1810 (B) *AND* ATT2820 (B) *AND* ATT2821C (B) *AND* ATT2822C (B) *AND* ASC1550 (B) *AND* ASC2870 (B)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
AVM1440	--	--	--	--	--	--
AVM1940	AVM1440 (C) *AND* AVM2301 (C) *AND* AVM2410 (C)	--	--	--	--	--
AVM2301	--	--	--	--	--	--
AVM2410	--	--	--	--	--	--
AVM2450	--	--	--	--	--	--
AVM2510	--	--	--	--	--	--
AVM2941	ASC2320 (C) *AND* AVM1940 (C) *AND* AVM2450 (C) *AND* AVM2510 (C)	--	--	--	--	--
AVS0090C	--	--	--	$52.00	$6.00	--
AVS0091C	--		--	$85.00	$6.00	--
AVS0092C	--	--	--	$55.00	$6.00	--
AVS0093C	--	--	--	$61.00	$6.00	--
BCH3023	CHM1020 (C) **OR** CHM1041 (C) **OR** CHM1045 (C)	--	--	--	--	--
BCH3033	--	CHM2211 (C) *AND* CHM2211L (C)	--	--	--	--
BCN1251C	--	--	--	--	--	--
BCN1272	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
BCN2560	--	--	--	--	--	--
BCN2614C	BCT1770 (C)	--	--	--	--	--
BCN2721C	BCN2614C (C) *AND* BCN2720C (C)	--	--	--	--	--
BCT1706	--	--	--	--	--	--
BCT1743	--	--	--	--	--	--
BCT1767	--	--	--	8.00	--	--
BCT1770	--	--	--	--	--	--
BCT2040	--	--	--	--	--	--
BCT2710	--	--	--	--	--	--
BCT2720C	--	--	--	--	--	--
BCT2760	--	--	--	--	--	--
BCT2941L	BCT1767 (C)	--	--	--	--	--
BOT2010	--	BOT2010L (D)	--	--	--	--
BOT2010L	--	BOT2010 (D) **OR** BOT2800 (D)	--	$24.00	--	--
BOT2800	--	--	--	--	--	--
BSC1005	--	--	--	--	--	--
BSC1005L	--	BSC1005 (D) **OR** ENY1001 (D)	--	$24.00	--	--
BSC1311	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
BSC2010	--	CHM1040 (C) **OR** CHM1045 (C)	BSC2010L (C)	--	--	--
BSC2010L	--	CHM1040 (C) **OR** CHM1045 (C)	BSC2010 (C)	$43.00	--	--
BSC2011	BSC1010C (C) **OR** BSC2010 (C) *AND* BSC2010L (C)	--	BSC2011L (C)	--	--	--
BSC2011L	BSC1010C (C) **OR** BSC2010 (C) *AND* BSC2010L (C)	--	BSC2011 (C)	$42.00	--	--
BSC2085	--	BSC2085L (C)	--	--	--	--
BSC2085L	--	BSC2085	--	$21.00	--	--
BSC2086	BSC2085 (C) *AND* BSC2085L (C)	BSC2086L (C)	--	--	--	--
BSC2086L	BSC2085 (C) *AND* BSC2085L (C)	BSC2086 (C)	--	$29.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
BSC2421	BSC1005 (C) *AND* BSC1005L (C)	--	BSC2421L (C)	--	--	--
BSC2421L	BSC1005 (C) *AND* BSC1005L (C)	BSC2421 (C)	--	--	--	--
BSC2910	--	--	--	--	--	--
BSC2949	--	--	--	--	--	--
BSC4846	ENC2210 (C)	--	--	--	--	--
BSC4911	--	--	--	--	--	--
BSC4930	--	--	--	--	--	--
BSC4948	--	--	--	--	--	--
BUL2241	--	--	--	--	--	--
BUL2242	--	--	--	--	--	--
BUL3130	--	--	--	--	--	--
BUL4264	BUL3130 (C) *AND* TRA3155 (C)	--	--	--	--	--
CAP2760C	COP1702C (C)	--	--	--	--	--
CCJ1020	--	--	--	--	--	--
CCJ2191	--	--	--	--	--	--
CCJ2933	--	--	--	--	--	--
CCJ2949	--	--	--	--	--	--
CDA2332C	COP1210C (C) OR COP1334C (C)	--	--	--	--	--
CDA4411	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CEN4341	CNT3504 (C) *AND* CNT3604 (C)	--	--	--	--	--
CEN4722	--	--	--	--	--	--
CET1114C	--	--	--	$30.00	--	--
CET1117C	CET1112C (C) **OR** CET1114C (C)	--	--	$30.00	--	--
CET1600C	CTS2131C (C)	--	--	$191.00	--	--
CET1610C	CET1600C (C)	--	--	$191.00	--	--
CET1615C	CET1610C (C)	--	--	$191.00	--	--
CET1620C	CET1615C (C)	--	--	$191.00	--	--
CET1630C	--	--	--	$119.00	--	--
CET2123C	CET1114C (C) *AND* CET1117C (C)	--	--	--	--	--
CET2486C	--	--	--	--	--	--
CET2625C	CET1620C (C)	--	--	$191.00	--	--
CET2688C	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CET2742C	CTS1134C (C) **OR** CET2486C (C)	--	--	--	--	--
CET3660C	CET1620C (C)	--	--	$191.00	--	--
CGS1060C	--	--	--	$40.00	--	--
CGS1510C	--	--	--	$30.00	--	--
CGS1540C	--	--	--	$30.00	--	--
CGS1557C	CGS1060C (C)	--	--	$30.00	--	--
CGS2100C	CGS1060C (C) **OR** CIS1000C (C)	--	--	$30.00	--	--
CGS2554C	--	--	--	$30.00	--	--
CHD1320	--	--	--	--	--	--
CHD1331	--	--	--	--	--	--
CHD1334	--	--	--	--	--	--
CHD1338	--	--	--	--	--	--
CHD1940	--	--	--	--	--	$8.25
CHD2441	EEC1200 (D) EEC1603 (D) CHD1320 (D) CHD1940 (D)	--	--	--	--	--
CHD2800	--	--	--	--	--	--
CHM1020	MAT0028C (C)	--	--	--	--	--
CHM1020L	--	CHM1020	--	$46.00	--	--
CHM1032	--	--	--	--	--	--
CHM1032L	--	CHM1032 (C)	--	$22.00	--	--
CHM1040	--	MAT1033 (C)	--	--	--	--

CHM1041	CHM1040 (C)	CHM1045L (C) *AND* MAC1105 (C)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CHM1045	MAC1105 (C)	CHM1045L (C)	--	--	--	--
CHM1045L	--	CHM1041 (C) **OR** CHM1045 (C)	--	$20.00	--	--
CHM1046	CHM1041 (C) *AND* CHM1045L (C) **OR** CHM1045 (C) *AND* CHM1045L (C)	CHM1046L(C)	--	--	--	--
CHM1046L	CHM1041 (C) **OR** CHM1045 (C) *AND* CHM1045L (C)	CHM1046 (C)	--	$25.00	--	--
CHM2210	CHM1046 (C) *AND* CHM1046L (C)	--	CHM2210L	--	--	--
CHM2210L	CHM1046 (C) *AND* CHM1046L (C)	--	CHM2210	$84.00	--	--
CHM2211	CHM2210 (C) *AND* CHM2210L (C)	--	CHM2211L	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CHM2211L	CHM2210 (C) *AND* CHM2210L (C)	CHM2211 (C)	--	$116.00	--	--
CHM3203	--	--	CHM3203L	--	--	--
CHM3203L	--	--	CHM3203	$ 19.00	--	--
CIS1000C	CGS1060C (C)	MAT1033 (C)	--	$30.00	--	--
CIS1001C	--	--	--	--	--	--
CIS1513C	CGS1060C (C)	--	--	$30.00	--	--
CIS2028	CIS1000C (C) *AND* ENC1101 (C)	--	--	--	--	--
CIS2352C	CGS1540C (C) *AND* CGS1557C (C) *AND* CTS2314C (C) *AND* CTS2652C (C)	--	--	--	--	--
CIS2359C	CIS2352C (C)	--	--	--	--	--
CIS2530C	--	--	CIS1001C (C)	--	--	--
CIS2910C	CIS1513C (C) *AND* COP2171C (C) *AND* CTS1851C (C)	--	--	--	--	--
CIS2942	--	--	--	--	--	--
CIS2943	--	--	--	--	--	--
CIS2949	--	--	--	--	--	--
CIS3347C	CTS1145C (C)	--	--	--	--	--
CIS4253	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CIS4361	CNT3504 (C)	--	--	--	--	--
CIS4518C	ISM3314C (C)	--	--	--	--	--
CIS4596	--	CDA4411 (C) *AND* CEN4341 (C) *AND* CEN4722 (C) *AND* CIS4253 (C) *AND* CIS4361 (C) *AND* CNT3604 (C) *AND* ISM3201C (C) *AND* ISM3057C (C) *AND* COP4858 (C)	--	--	--	--
CJC2000	--	--	--	--	--	--
CJC2162	--	--	--	--	--	--
CJE1300	--	--	--	--	--	--
CJE2170	--	--	--	--	--	--
CJE2400	--	--	--	--	--	--
CJE2580	--	--	--	--	--	--
CJE2600	--	--	--	--	--	--
CJE2640	--	--	--	29.00	--	--
CJE2642	CJE2600 *AND* CJE2640 *AND* CJE2770	--	--	45.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CJE2643	CJE2600 *AND* CJE2640	--	--	--	--	--
CJE2722	--	--	--	--	--	--
CJE2723	--	--	--	--	--	--
CJE2724	--	--	--	--	--	--
CJE2725	--	--	--	--	--	--
CJE2726	--	--	--	--	--	--
CJE2770	--	--	--	25.00	--	--
CJJ2001	--	--	--	--	--	--
CJK0012	--	--	--	--	--	--
CJK0013	--	--	--	--	--	--
CJK0014	--	--	--	--	--	--
CJK0020	--	--	--	--	--	--
CJK0031	--	--	--	--	--	--
CJK0040	--	--	--	--	--	--
CJK0051	--	--	--	--	--	--
CJK0064	--	--	--	--	--	--
CJK0065	--	--	--	--	--	--
CJK0077	--	--	--	--	--	--
CJK0078	--	--	--	--	--	--
CJK0084	--	--	--	--	--	--
CJK0087	--	--	--	--	--	--
CJK0088	--	--	--	--	--	--
CJK0092	--	--	--	--	--	--
CJK0096	--	--	--	--	--	--
CJK0221	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CJK0222	--	--	--	--	--	--
CJK0223	--	--	--	--	--	--
CJK0271	--	--	--	--	--	--
CJK0272	--	--	--	--	--	--
CJK0273	--	--	--	--	--	--
CJK0274	--	--	--	--	--	--
CJK0275	--	--	--	--	--	--
CJK0276	--	--	--	--	--	--
CJK0281	--	--	--	--	--	--
CJK0293	--	--	--	--	--	--
CJK0295	--	--	--	--	--	--
CJK0296	--	--	--	--	--	--
CJK0297	--	--	--	--	--	--
CJK0300	--	--	--	--	--	--
CJK0305	--	--	--	--	--	--
CJK0310	--	--	--	--	--	--
CJK0315	--	--	--	--	--	--
CJK0320	--	--	--	--	--	--
CJK0325	--	--	--	--	--	--
CJK0330	--	--	--	--	--	--
CJK0335	--	--	--	--	--	--
CJK0340	--	--	--	--	--	--
CJK0392	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CJK0393	--	--	--	--	--	--
CJK0422	--	--	--	--	--	--
CJK0441C	--	--	CJK0442 *AND* CJK0451	--	--	--
CJK0442	--	--	--	--	--	--
CJK0451	--	--	--	--	--	--
CJL1062	--	--	--	--	--	--
CJL1100	--	--	--	--	--	--
CJL1130	--	--	--	--	--	--
CJL1140	--	--	--	--	--	--
CJL2060	--	--	--	--	--	--
CLP2140	PSY2012 (C)	--	--	--	--	--
CNT3014C	--	--	--	--	--	--
CNT3504	--	--	--	--	--	--
CNT3604	--	--	--	--	--	--
CNT3702	CNT3504 (C)	--	--	--	--	--
CNT3721C	--	--	--	--	--	--
CNT4422C	CTS2120C (C) *AND* CTS4375C (C) **OR** CTS1145C (C) *AND* CTS3127 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
COM2336	--	--	--	--	--	--
COM2370	--	--	--	--	--	--
COM2371	**COM2370 (C)**	--	--	--	--	--
COM2372	--	--	--	--	--	--
COM2412	**STA2023 (C)**	--	--	--	--	--
COM2941	**COM2371 (C)**	--	--	--	--	--
COP1000C	MAC1105 **OR** MAC1114 **OR** MAC1140 **OR** MAC2233 **OR** MAC2311 **OR** MAC2312 **OR** MAC2313 **OR** MAP2302 **OR** MAS2103 **OR** MAT0028C **OR** MAT1033 **OR** MAT1034 **OR** MGF1106 **OR** MGF1107 **OR** STA2023	--	--	$30.00	--	--

COP1210C	--	CIS1000C (C) **OR** CIS1001C (C)	--	--	--	--
COP1258C	--	--	--	--	--	--
COP1334C	MAT1033 (C)	CIS1000C (C)	--	$30.00	--	--
COP1702C	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
COP2071C	COP1000C (C) OR COP1210C (C)	--	--	$30.00	--	--
COP2111C	CTS2852C (C) *AND* CTS2857C (C)	--	--	--	--	--
COP2171C	COP1170 **OR** COP1334C	--	--	$30.00	--	--
COP2335C	CIS1000C (C) *AND* COP1334C (C)	--	--	$30.00	--	--
COP2337C	COP1210C (C)	--	--	--	--	--
COP2360C	COP2335C (C) OR	COP2361C (C)	--	$30.00	--	--
COP2361C	COP1334C (C) OR	--	COP2335C	$30.00	--	--
COP2658C	COP2335C (C) OR	--	--	--	--	--
COP2660C	COP2337C (C)	COP2361C (C)	--	--	--	--
COP2800C	COP2361C (C) *AND* COP2335C (C)	--	--	$30.00	--	--
COP2821C	COP2171C	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
COP2940	--	--	--	--	--	--
COP3125C	--	ISM3057C (C)	--	--	--	--
COP3265C	COP3125C (C)	--	--	--	--	--
COP4370C	COP3265C (C) AND ISM3201C (C)	--	--	--	--	--
COP4450C	COP4370C (C)	--	--	--	--	--
COP4850C	COP4450C (C)	--	--	--	--	--
COP4858	ISM3057C (C)	--	--	--	--	--
COP4940	COP4850C (C)	--	--	--	--	--
CPO2002	--	--	--	--	--	--
CPO2140	--	--	--	--	--	--
CRW1001	--	--	--	--	--	--
CRW1100	--	--	--	--	--	--
CRW1300	ENC1101	--	--	--	--	--
CRW2002	CRW1001 (C) **OR** CRW1100 (C) **OR** CRW1300 (C)	--	--	--	--	--
CRW2003	CRW2002	--	--	--	--	--
CRW2005	CRW2002 (C)	--	--	--	--	--
CTS1106C	--	--	--	$30.00	--	--
CTS1111C	--	--	--	$64.00	--	--
CTS1133C	--	--	--	$45.00	--	--
CTS1134C	--	--	--	$51.00	--	--
CTS1145C	--	--	--	--	--	--
CTS1212C	CGS1060C (C)	--	--	$30.00	--	--
CTS1214C	--	CIS1513C (C)	--	--	--	--
CTS1390C	CTS2131C (C)	--	--	$30.00	--	--

CTS1391C	CTS1390C (C)	--	--	$30.00	--	--
CTS1392C	CTS1391C (C)	--	--	$30.00	--	--
CTS1806C	CTS1851C (C)	--	--	--	--	--
CTS1808C	CTS2852C (C)	--	--	--	--	--
CTS1851C	CIS1000C (C) **OR**	CIS1000C (C)	--	$36.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
	CGS1060C (C)					
CTS2120C	CET1600C (C) **OR** CTS1134C (C)	--	--	$102.00	--	--
CTS2131C	CTS1133C (C)	--	--	$46.00	--	--
CTS2148C	--	CIS1513C (C)	--	--	--	--
CTS2156C	CTS1327C (C) **OR** CTS1134C (C) *AND* CTS1213C (C) *AND* CTS2131C (C)	--	--	--	--	--
CTS2314C	CTS2120C (C) *AND* CTS2651C (C)	--	--	--	--	--
CTS2375C	CTS1145C (C)	--	--	--	--	--
CTS2383C	CET2742C (C)	--	--	--	--	--
CTS2393C	CTS1392C (C)	--	--	$30.00	--	--
CTS2394C	CTS2393C (C)	--	--	$30.00	--	--
CTS2395C	CTS1392C (C)	--	--	$30.00	--	--
CTS2396C	CTS2395C (C)	--	--	$30.00	--	--
CTS2434C	CIS2321C (C) *AND* COP2071C (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CTS2437C	COP2071C (C) *AND* CTS1134C (C)	--	--	--	--	--
CTS2438C	CTS2437C (C)	--	--	--	--	--
CTS2445C	CIS2321C (C) *AND* COP2071C (C)	--	--	--	--	--
CTS2446C	CTS2445C (C)	--	--	--	--	--
CTS2451C	CTS2434C (C)	--	--	--	--	--
CTS2464C	COP2800C (C)	--	--	--	--	--
CTS2651C	CTS1134C (C) *AND* CET2488C (C)	--	--	--	--	--
CTS2652C	CTS2651C (C)	--	--	--	--	--
CTS2852C	CTS1851C (C) AND COP1000C (C) OR COP1334C (C) OR COP1210C (C)	--	--	$30.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
CTS2857C	CTS1851C (C) AND COP1000C (C) OR COP1210C (C) OR COP1334C (C)	COP2071C (C)	--	$30.00	--	--
CTS2858C	CTS2857C (C)	--	--	--	--	--
CTS3127C	CTS2120C (C)	--	--	--	--	--
CTS3360C	CTS1392C (C)	--	--	--	--	--
CTS3393C	CTS3360C (C)	--	--	$30.00	--	--
CTS3394C	CTS3393C (C)	--	--	$30.00	--	--
CTS3660C	CET1620C (C)	--	--	$191.00	--	--
CTS4339C	CTS1392C (C)	--	--	--	--	--
CTS4375C	CTS2375C (C)	--	--	--	--	--
CTS4395C	CTS1392C (C)	--	--	$30.00	--	--
CTS4396C	CTS4395C (C)	--	--	$30.00	--	--
CTS4627C	CTS3660C (C)	--	--	$191.00	--	--
CTS4628C	CTS3660C (C) *AND* CTS4627C (C)	--	--	$191.00	--	--
RET1350	RET1485 (C)	--	--	--	--	--
DAA1100	--	--	--	$26.00	--	--
DAA1101	DAA1100	--	--	$26.00	--	--
DAA1501	DAA1504	--	--	$26.00	--	--

DAA1504	--	--	--	$26.00	--	--
DAA1680	--	--	--	$26.00	--	--
DAA2102	DAA1101	--	--	$26.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DAA2220	DAA2282 (C)	--	--	--	--	--
DAA2280	--	--	--	$26.00	--	--
DAA2281	DAA2280 (C)	--	--	$26.00	--	--
DAA2282	DAA2281	--	--	$26.00	--	--
DAA2610	DAA1101 (C) **OR** DAA2281 (C)	--	--	$26.00	--	--
DAA2930	--	--	--	--	--	--
DAN2100	--	--	--	--	--	--
DAN2600	DAA2610 (C)	--	--	--	--	--
DEA0000	DEA0025	--	--	--	--	--
DEA0025	--	DES0103 *AND* DES0844	--	--	--	--
DEA0130	DEA0025 *AND* DES1200	DES0831	--	--	--	--
DEA1003	--	--	DES1020	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DEA1030	--	--	DEA1030L *AND* DES1100 *AND* DES1840	--	--	--
DEA1030L	--	DEA1030 *AND* DES1100 *AND* DES1832	--	$111.00	$6.00	$8.25
DEA1131	DEA1030 (C) *AND* DES1020 (C)	--	DES1833 *AND* DES1833L	--	--	--
DEA1155	DEA1003 (C) *AND* DES1020 (C)	--	DEA1030 (C) *AND* DES1805 (C) *AND* DES1840 (C)	--	--	--
DEA1936	DEA1940L (C) *AND* DES1805 (C)		DEA1941L			
DEA1940L	DEA1030 (C) *AND* DEA1030L (C) *AND* DES1805L (C)		DEA1155 *AND* DES1805			

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DEA1941L	DEA1030 (C) *AND* DEA1030L (C) *AND* DES1805L (C) *AND* DES1805 (C)				$6.00	$8.25
DEH1002	--	--	DEH1002L (C) DEH2400	--	--	--
DEH1002L	--	--	DEH1002	$135.00	$6.00	$8.25
DEH1130	--	DEH1602 (C) *AND* DEH1802 (C) *AND* DEH1802L (C)	--	--	--	--
DEH1602	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH1800 (C) *AND* DEH1800L (C) *AND* DEH2400 (C) *AND* DEH2300 (C)	---	DEH1802 *AND* DEH1802L	---	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DEH1602L	DEH1800 (C)	DEH1002	--	$154.00	$6.00	$8.25
DEH1800	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH2400 (C)	--	DEH1800L *AND* DEH2300	--	--	--
DEH1800L	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH2400 (C)	DEH1800 (C) *AND* DEH2300 (C)	--	$136.00	$6.00	$8.25
DEH1802	DEH1800L (C)	--	DEH1802L (C)	--	--	--
DEH1802L	DEH2400 (C)	--	DEH1802	$176.00	$6.00	$8.25
DEH1934	--	--	DEH2804L (C)	--	--	--
DEH2300	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH2400 (C)	DEH1800 (C) *AND* DEH1800L (C) *AND* DEH2840L (C)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DEH2400	--	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH2840L (C)	--	--	--	--
DEH2701	--	DEH1130 (C)	--	--	--	--
DEH2701C	DEH1002 (C) DEH1002L (C) DEH2300 (C) DEH1800 (C) DEH1800L (C) DEH2400 (C)		DEH1802 (C) DEH1802L (C) DEH1130 (C) DES1054 (C) DEH1602 (C) DEH1602L (C)			
DEH2701L	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH1602 (C) *AND* DEH1800 (C) *AND* DEH1800L (C) *AND* DEH2300 (C) *AND* DEH2701 (C)	--	DEH2804L (C) *AND* DEH2806 (C) *AND* DEH2806L (C)	--	$6.00	$8.25
DEH2804L	DEH2806 *AND* DEH2806L	--	DEH2701L	$179.00	$6.00	$8.25
DEH2806	DEH1802 *AND* DEH1802L	DEH2806L	--	--	--	--
DEH2806L			DEH2806	$116.00	$6.00	$8.25

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DEH2840L	--	--	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH1800 (C)*AND* DEH1800L (C)*AND* DEH2300 (C) *AND* DEH2400 (C)	$105.00	$6.00	$8.25
DEP2002	--	--	--	--	--	--
DEP2004	--	--	--	--	--	--
DEP2302	--	--	--	--	--	--
DES0021	--	DEA0025 *AND* DES1200 *AND* DES0830	--	--	--	--
DES0103	--	--	DES0103L (C)	--	--	--
DES0103L	--	--	DES0103 (C)	--	$6.00	$8.25
DES0400	DEA0025 (C) *AND* DES0021 (C)	DES0831 (C)	--	--	--	--
DES0501	DEA0000 (C) *AND* DEA0025 (C)	DES0801 (C)	--	--	--	--
DES0801	DEA0025 (C)		--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DES0802	DEA0025 (C)*AND* DES0801 (C)	--		--	$6.00	$8.25
DES0830	--	DEA0025 (C)	--	--	--	--
DES0831	DEA0025 (C) *AND* DES0830 (C)	DES0801 (C)	--	--	--	--
DES0844	--	DEA0025 (C)	--	--	--	--
DES1020	--	--	DEA1003	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DES1054	DEH1002 (C) *AND* DEH1002L (C) *AND* DEH2300 (C)	--	DEH1802 *AND* DEH1802L	--	--	--
DES1100	--	--	DES1100L	--	--	--
DES1100L	--	--	DES1100	$139.00	$6.00	$8.25
DES1200	--	--	DES1200L	--	--	--
DES1200L	--	--	DES1200	$142.00	$6.00	$8.25
DES1404	DEA1030 (C) *AND* DES1020 (C)	--	DES1833 (C) *AND* DES1833L (C)	--	--	--
DES1502	DEA1030 (C)	--	DES1805	--	--	--
DES1805	DEA1030 (C) *AND* DEA1030L (C)	--	--	--	--	--
DES1805L	--	DEA1030 (C) *AND* DEA1030L (C) *AND* DES1805 (C)	--	$56.00	$6.00	$8.25
DES1807	DEA1030 (C) *AND* DEA1030L (C) *AND* DES1805 (C) *AND* DES1805L (C)		DES1807L (C)			

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DES1807L	DEA1030 (C) *AND* DEA1030L (C) *AND* DES1805 (C) *AND* DES1805L (C)	--	--	--	$6.00	$8.25
DES1832	--	--	DEA1030 *AND* DEA1030L	--	--	--
DES1832L			DES1832	$106.00	$6.00	$8.25
DES1833	DEA1030 (C) *AND* DEA1030L (C) *AND* DES1832 (C)	--	DES1805 *AND* DES1805L *AND* DES1833L	--	--	--
DES1833L	DEA1030 (C) *AND* DEA1030L (C) *AND* DES1832 (C)	--	DES1805L *AND* DES1833	$117.00	$6.00	$8.25
DES1840	--	--	DEA1030 *AND* DEA1030L	--	--	--
DES1840L	--	--	DES1840	$49.00	--	--
DIG2100C	--	--	--	$35.00	--	--
DIG2101C	--	--	--	$38.00	--	--
DIG2109C	--	--	--	$38.00	--	--
DIG2115C	--	--	--	$46.00	--	--

DIG2116C	DIG2115C (C)	--	--	$46.00	--	--
DIG2132C	--	--	--	$35.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
DIG2280C	--	--	--	$49.00	--	--
DIG2292C	--	--	--	$89.00	--	--
DIG2302C	--	--	--	$72.00	--	--
DIG2303C	DIG2302C (C)	--	--	$52.00	--	--
DIG2304C	DIG2303C	--	--	$52.00	--	--
DIG2311C	--	--	--	$49.00	--	--
DIG2500C	--	--	--	$89.00	--	--
DIG2580C	DIG2101C (C) *AND* DIG2116C (C) *AND* DIG2280C (C) *AND* DIG2292C (C) *AND* DIG2304C (C)	--	--	$89.00	--	--
DIG2940	DIG2580C (C)	--	--	--	--	--
DSC1002	--	--	--	--	--	--
DSC1006	--	--	--	--	--	--
DSC2242	--	--	--	--	--	--
DSC2590	--	--	--	--	--	--
EAP0100C	--	--	--	--	--	--
EAP0120C	--	--	--	--	--	--
EAP0185C	--	--	--	--	--	--
EAP0200C	EAP0100C (C)	--	--	--	--	--
EAP0220C	EAP0120C (C)	--	--	--	--	--
EAP0285C	EAP0185C (C)	--	--	--	--	--
EAP0300C	EAP0200C (C)	--	--	--	--	--
EAP0320C	EAP0220C (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EAP0385C	EAP0285C (C)	--	--	--	--	--
EAP0400C	EAP0300C (C) **OR** ENS1201 (C)	--	--	--	--	--
EAP0420C	EAP0320C (C) **OR** ESL0121 (C)	--	--	--	--	--
EAP0485C	EAP0385C (C) **OR** ESL0181 (C)	--	--	--	--	--
EAP1540C	EAP0400C (C) *AND* EAP0420C (C) *AND* EAP0485C (C) **OR** ENS1201 (C) *AND* ESL0121 (C) *AND* ESL0281 (C)	--	--	--	--	--
EAP1640C	EAP1540C (C) **OR** ENS1202 (C) *AND* ENS1341A (C) *AND* REA0017C (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ECO2013	--	--	--	--	--	--
ECO2023	--	--	--	--	--	--
ECO2220	ECO2013	--	--	--	--	--
ECO3703	ECO2013 (C) *AND* ECO2023 (C)	--	--	--	--	--
ECS2390	--	--	--	--	--	--
EDF1005	--	--	--	--	$6.00	--
EDF2070	--	--	--	--	--	--
EDF2085	--	--	--	--	$6.00	--
EDF3280	--	--	--	--	$6.00	--
EDF4430	EDF3280 (C)	--	--	--	$6.00	--
EDF4930	--	--	--	--	--	--
EDG2949	--	--	--	--	--	--
EDG4410	EDF3280 (C)	RED3352 (C) **OR** RED4519 (C)	--	--	$6.00	--
EDP2002	--	--	--	--	--	--
EDP4004	--	EDF1005 (C) *AND* EDF2085 (C) *AND* EME2040 (C)	--	--	--	--
EEC1200	--	--	--	--	--	--
EEC1603	--	--	--	--	--	--
EET1015C	EET1084C (C)	--	--	$29.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EET1025C	EET1015C (C)	--	--	$37.00	--	--
EET1084C	--	--	--	--	--	--
EET1141C	EET1084C (C)	--	--	$35.00	--	--
EET2142C	EET1141C	--	--	$5.00	--	--
EET2326C	EET1141C	--	--	$5.00	--	--
EET2355C	--	--	--	--	--	--
EET2358C	EET2142C *AND* EET2355C	EET2326C	--	--	--	--
EEX3011	--	EDF1005 (C) *AND* EDF2085 (C) *AND* EME2040 (C)	--	--	$6.00	--
EEX3094	EEX3011 (C)	--	--	--	$6.00	--
EEX3280	EEX3011 (C)	--	--	--	$6.00	--
EEX3601	EEX3011 (C)	--	--	--	$6.00	--
EEX4293	EDF3280 (C) *AND* EDF4430 (C) *AND* EEX3011 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EEX4472	EEX3011 (C) *AND* EEX3601 (C) *AND* EDG4410 (C) *AND* EDF3280 (C)	--	--	--	--	--
EEX4486	EEX3011 (C)	--	--	--	--	--
EEX4843	EEX3103 (C) *AND* EEX3601 (C) *AND* EEX4293 (C) *AND* RED4519 (C) *AND* MAE4310 (C)	EEX3011 (C) *AND* EEX3280 (C) *AND* TSL4081 (C)	--	--	$6.00	--
EEX4945	EEX4843 (C) *AND* RED4844 (C) *AND* TSL4081 (C)	--	--	--	$6.00	--
EGS1001	--	--	--	--	--	--
EGS2949	--	--	--	--	--	--
EME2040	--	--	--	--	--	--
EME2041	--	--	--	--	--	--
EME3410	EDF3280 (C)	--	--	--	--	--
EMS1000	--	--	--	--	--	--
EMS1119	--	--	--	--	--	--
EMS1119L	--	--	EMS1119 *AND* EMS1411 *AND*	$36.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
			EMS1421			
EMS1411	--	--	EMS1119 *AND* EMS1119L *AND* EMS1421	--	$6.00	$8.25
EMS1421	--	--	EMS1119 *AND* EMS1119L *AND* EMS1411	--	$6.00	$8.25
EMS2010	--	--	--	--	--	--
EMS2201	--	EMS2010 *AND* EMS2631 *AND* EMS2641				
EMS2311	--	--	--	--	--	--
EMS2631	--	--	EMS2650 *AND* EMS2631L	--	--	--
EMS2631L	--	EMS2631 *AND* EMS2650 *AND* EMS2010	--	$42.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EMS2632	EMS2010 (C) *AND* EMS2631 (C) *AND* EMS2631L (C) *AND* EMS2650 (C)	--	--	--	--	--
EMS2632L	EMS2010 (C) *AND* EMS2631 (C) *AND* EMS2631L (C) *AND* EMS2650 (C)	--	--	$42.00	--	--
EMS2633	EMS2010 (C) *AND* EMS2631 (C)	--	EMS2632	--	--	--
EMS2634	EMS2632 (C) *AND* EMS2632L (C) *AND* EMS2633 (C) *AND* EMS2641 (C) *AND* EMS2651 (C)	--	--	--	--	--
EMS2634L	EMS2632 (C) *AND* EMS2632L (C) *AND* EMS2633 (C) *AND* EMS2641 (C) *AND* EMS2651 (C)	--	--	$42.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EMS2635	EMS2010 (C) *AND* EMS2631 (C) *AND* EMS2631L (C) *AND* EMS2632 (C) *AND* EMS2632L (C) *AND* EMS2633 (C) *AND* EMS2641 (C) *AND* EMS2642 (C) *AND* EMS2651 (C) *AND* EMS2652 (C)	EMS2634 (C) *AND* EMS2634L (C) *AND* EMS2643 (C) *AND* EMS2653 (C)	--	--	--	--
EMS2636	EMS2010 (C) *AND* EMS2631 (C) *AND* EMS2631L (C) *AND* EMS2632 (C) *AND* EMS2632L (C) *AND* EMS2633 (C) *AND* EMS2634 (C) *AND* EMS2635 (C) *AND* EMS2651 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EMS2636L	EMS2634 (C) *AND* EMS2634L (C) *AND* EMS2635 (C) *AND* EMS2642 (C) *AND* EMS2652 (C)	--	--	$42.00	--	--
EMS2641	EMS2010 (C) *AND* EMS2631 (C) *AND* EMS2631L (C) *AND* EMS2650 (C)	--	EMS2632 *AND* EMS2633	--	$6.00	$8.25
EMS2642	EMS2632 (C) *AND* EMS2632L (C) *AND* EMS2633 (C) *AND* EMS2641 (C) *AND* EMS2651 (C)	--	--	--	$6.00	$8.25
EMS2643	EMS2634 (C) *AND* EMS2634L (C) *AND* EMS2635 (C) *AND* EMS2642 (C) *AND* EMS2652 (C)	--	--	--	$6.00	$8.25

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EMS2650	BSC2086 (C) *AND* BSC2086L (C)	EMS2010 *AND* EMS2631 *AND* EMS2631L	EMS2631 *AND* EMS2631L **OR** EMS2010 *AND* EMS2631 *AND* EMS2631L	--	$6.00	$8.25
EMS2651	EMS2010 (C) *AND* EMS2631 (C) *AND* EMS2631L (C) *AND* EMS2650 (C)	--	--	--	$6.00	$8.25
EMS2652	EMS2632 (C) *AND* EMS2633 (C)	--	EMS2634 *AND* EMS2635	--	$6.00	$8.25
EMS2653	EMS2634 (C) *AND* EMS2635 (C)	--	--	--	--	--
ENC0015C	--	--	--	$20.00	--	--
ENC0017C	ENC0015C (C) **OR** REA0007C (C)	--	--	--	--	--
ENC0025C	--	--	--	$20.00	--	--
ENC1101	--	--	--	$20.00	--	--

ENC1102	ENC1101 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ENC2210	ENC1101 (C)	--	--	--	--	--
ENG2101	--	--	--	--	--	--
ENL2012	--	--	--	--	--	--
ENL2022	--	--	--	--	--	--
ENL2330	--	--	--	--	--	--
ENY1001	--	--	--	--	--	--
ENY3005	BSC2010 (C)	--	ENY3005L (C)	--	--	--
ENY3005L	--	--	ENY3005	--	--	--
ENY3222	ENY3005 (C) *AND* ENY3005L (C)	--	--	--	--	--
ENY3225	--	ENY3005 (C)	--	--	--	--
ENY3228	--	--	--	--	--	--
ENY4060	BSC2010 (C) AND BSC2010L (C) AND ENY3005 (C) AND ENY3005L (C)	--	--	--	--	--
ENY4161	--	--	--	$4.00	--	--
ENY4592	--	--	--	--	--	--
ENY4905	BSC4846 (B) ENY3005 (B)	PCB4454 (B)	--	--	--	--
EPI0001	--	--	--	--	--	--
EPI0002	--	--	--	--	--	--

EPI0003	--	--	--	--	--	--
EPI0004	--	--	--	--	--	--
EPI0010	--	--	--	--	--	--
EPI0020	--	--	EPI0940 (S)	--	--	--
EPI0030	--	--	EPI0945 (S)	--	--	--
EPI0940	--	--	EPI0020 (S)	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EPI0945	--	--	EPI0030 (S)	--	--	--
ESC1000	--	--	--	--	--	--
ESC1000L	--	ESC1000	--	$13.00	--	--
ESC4074	--	MAC1105 (C)	--	--	--	--
ETD1320	--	--	--	$12.00	--	--
ETD2350C	ETD1320	--	--	--	--	--
ETI1110C	--	--	--	--	--	--
ETI1420	--	--	--	--	--	--
ETI1701	--	--	--	--	--	--
ETM1010C	--	--	--	--	--	--
ETP2402C	--	--	--	--	--	--
ETP2410C	ETP2402C (C)	--	--	--	--	--
ETS2224C	EET2142C	--	--	--	--	--
ETS2436C	EET1141C (C)	--	--	--	--	--
ETS2542C	CET1114C (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ETS2940	CET1117C *AND* EET2142C *AND* HSC1531 **OR** CET1117C *AND* EET2142C *AND* MEA0233	--	--	--	$6.00	$8.25
EUH1000	--	--	--	--	--	--
EUH1001	--	--	--	--	--	--
EUH2032	--	--	--	--	--	--
EUH2052	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
EVR1001	MAC1105 **OR** MAC1114 **OR** MAC1140 **OR** MAC1147 (C) **OR** MAC2233 **OR** MAC2311 **OR** MAS2103 **OR** MAT0028C **OR** MAT1033 **OR** MGF1106 **OR** MTB1310 **OR** STA2023	--	--	--	--	--
EVR1263	CHM1040 (C) **OR** CHM1045 (C) **OR** CHM1032 (C)	--	--	--	--	--
EVR1858	--	--	--	--	--	--
EVR2930	--	--	--	--	--	--
EVR2949	--	--	--	--	--	--
EVS2893C	CHM1020 *AND* CHM1020L	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
FES2010	--	--	--	--	--	--
FFP1000	--	--	--	--	--	--
FFP1505	--	--	--	--	--	--
FFP1510	--	--	--	--	--	--
FFP1540	--	--	--	--	--	--
FFP1740	--	--	--	--	--	--
FFP1793	--	--	--	--	--	--
FFP1810	--	--	--	--	--	--
FFP1830	--	--	--	--	--	--
FFP2111	--	--	--	--	--	--
FFP2120	--	--	--	--	--	--
FFP2301	--	--	--	--	--	--
FFP2302	--	--	--	--	--	--
FFP2521	--	--	--	--	--	--
FFP2541	--	--	--	--	--	--
FFP2610	--	--	--	--	--	--
FFP2630	FFP1505 *AND* FFP1510 *AND* FFP1540 *AND* FFP2120 *AND* FFP2521	--	--	--	--	--
FFP2670	--	--	--	--	--	--
FFP2706	--	--	--	--	--	--
FFP2720	--	--	--	--	--	--
FFP2741	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
FFP2770	--	--	--	--	--	--
FFP2780	--	--	--	--	--	--
FFP2800	--	--	--	--	--	--
FFP2811	--	--	--	--	--	--
FFP2831	--	--	--	--	--	--
FFP2840	--	--	--	--	--	--
FFP2841	--	--	--	--	--	--
FIL1100	ENC1101 (C)	--	--	--	--	--
FIL1131	ENC1101 (C) *AND* FIL1100 (C)	--	--	--	--	--
FIL1420C	--	FIL1552C (C)	--	$75.00	--	--
FIL1456C	--	--	--	--	--	--
FIL1552C	--	--	--	$12.00	--	--
FIL2000	--	--	--	--	--	--
FIL2432C	FIL2438C (C) *AND* FIL1552C (C) FIL1100 (C)	FIL2537C (C)	--	$75.00	--	--
FIL2438C	FIL1420C (C) AND FIL1552C (C)	--	--	--	--	--
FIL2471C	--	--	--	--	--	--
FIL2515C	FIL1552C (C) *AND* FIL2438C (C)	--	--	--	--	--
FIL2537C	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
FIL2572C	FIL1552C (C) *AND* FIL2537C (C)	FIL2471C (C)	--	--	--	--
FIL2611	--	--	--	--	--	--
FIL2647	--	--	--	--	--	--
FIL2791C	FIL1552C (C)	--	--	--	--	--
FIL2930	--	--	--	--	--	--
FIL2945	FIL2438C (B)	--	--	--	--	--
FIN1100	--	--	--	--	--	--
FIN2051	--	--	--	--	--	--
FIN3400	ACG2001 (C) *AND* ACG2011 (C)	--	--	--	--	--
FIN3403	ACG2011 (C) *AND* ECO2013 (C) *AND* ECO2023 (C)	--	--	--	--	--
FOS2201	--	--	--	--	--	--
FRE1000	--	--	--	--	--	--
FRE1120	--	--	--	--	--	--
FRE1121	FRE1120	--	--	--	--	--
FRE2220	FRE1121 (C)	--	--	--	--	--
FSS1203C	--	--	--	--	--	--
FSS1240C	FSS1221C	--	--	--	--	--
FSS1246C	--	--	--	--	--	--
FSS1284	--	--	--	--	--	--
FSS2204C	--	--	--	--	--	--
FSS2205C	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
FSS2242C	FSS1240C	--	--	--	--	--
FSS2247C	--	--	--	--	--	--
FSS2248C	--	--	--	--	--	--
FSS2251	--	--	--	--	--	--
FSS2500	--	--	--	--	--	--
GEA2000	--	--	--	--	--	--
GEA2030	--	--	--	--	--	--
GEA2040	--	--	--	--	--	--
GEB1011	--	--	--	--	--	--
GEB2112	--	--	--	--	--	--
GEB2430	--	--	--	--	--	--
GEB2949	--	--	--	--	--	--
GEB2955	--	--	--	--	--	--
GEB3213	--	--	--	--	--	--
GEB4131	--	--	--	--	--	--
GEO1000	--	--	--	--	--	--
GEO2200	--	--	--	--	--	--
GEO2370	--	--	--	--	--	--
GEO2420	--	--	--	--	--	--
GER1120	--	--	--	--	--	--
GER1121	GER1120	--	--	--	--	--
GER1170	GER1000 **OR** GER1120	--	--	--	--	--
GER2220	GER1121 (C)	--	--	--	--	--
GIS1000	--	--	--	--	--	--
GIS1030	--	--	--	$5.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
GIS1040C	--	--	--	$43.00	--	--
GIS1042C	GIS1040C	--	--	$43.00	--	--
GIS1047C	GIS1040C *AND* GIS1042C	--	--	$43.00	--	--
GIS2040C	--	--	--	--	--	--
GIS2042C	GIS2040C (C)	--	--	--	--	--
GIS4301C	--	--	--	--	--	--
GLY1010	--	--	--	--	--	--
GLY1010L	--	--	--	--	--	--
GLY1100	--	--	--	--	--	--
GLY1100L	GLY1010L (C)	GLY1100 (C) **OR** GLY1100 (C)	--	--	--	--
GLY4203	GLY1010 (C) OR ESC1000 (C) OR GLY1100 (C)	--	--	--	--	--
GLY4731	GLY1010 (C) **OR** ESC1000 (C) **OR** GLY1100 (C) **OR** OCE1001 (C)	--	--	--	--	--
GLY4746	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
GLY4825	GLY1010 (C) **ORGLY1100 (C)** **OR** ESC1000 (C)	--	GLY4825L	--	--	--
GLY4825L	--	GLY4825 (C)	--	48.00	--	--
GRA1110C	ART2330C (C) **OR** ART1300C (C)	--	--	$45.00	--	--
GRA1144C	PGY1801C (C)	--	--	$45.00	--	--
GRA1151C	--	--	--	$45.00	--	--
GRA1201C	ART1300C (C)	--	--	$45.00	--	--
GRA2121C	--	--	--	$45.00	--	--
GRA2157C	ART2330C (C) **OR** ART1300C (C)	--	--	$45.00	--	--
GRA2171C	GRA1151C (C)	--	--	$45.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
GRA2180C	GRA1110C (C) **OR** GRA2190C (C)	--	--	$45.00	--	--
GRA2185C	GRA1151C (C)	--	--	$45.00	--	--
GRA2190C	ART1201C *AND* ART1300C *AND* ART1600C (C)	--	--	$59.00	--	--
GRA2191C	GRA1110C (C) **OR** GRA2190C (C)	--	--	$59.00	--	--
GRA2380C	GRA1144C (C)	--	--	--	--	--
GRA2403	--	--	--	--	--	--
GRA2425C	GRA1151C (C)	--	--	$45.00	--	--
GRA2754C	GRA1151C (C)	--	--	$45.00	--	--
GRA2810C	GRA1144C (C) **OR** CTS1851C (C) **OR** DIG2100C (C)	--	--	--	--	

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
GRA2940C	GRA2157C (C) *AND* GRA2181C (C) **OR** GRA2152C (C) *AND* GRA2425C (C)	--	--	$45.00	--	--
HBR1120	--	--	--	--	--	--
HBR1121	HBR1120	--	--	--	--	--
HBR2220	HBR1121 (C)	--	--	--	--	--
HCP0001	--	--	--	--	--	--
HFT1050	--	--	--	--	--	--
HFT1210	--	--	--	--	--	--
HFT1941	--	--	--	--	--	--
HFT2220	--	--	--	--	--	--
HFT2250	--	--	--	--	--	--
HFT2410	--	--	--	--	--	--
HFT2460	--	HFT2250 (C)	--	--	--	--
HFT2500	--	--	--	--	--	--
HFT2511	--	--	--	--	--	--
HFT2600	--	--	--	--	--	--
HFT2721	--	--	--	--	--	--
HFT2730	--	--	--	--	--	--
HFT2942	--	--	--	--	--	--
HIM1000	HSC1531 (C)	--	--	--	--	--
HIM1110	--	HIM1110L (C)	--	--	--	--
HIM1110L	HIM1000 (C)	--	HIM1110 (C)	$41.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
HIM1253		--	--	$36.00	--	--
HIM1253L	--	--	--	--	--	--
HIM1260	HIM1000 (C) *AND* HIM1253 (C) *AND* HIM1253L (C)	--	--	--	--	--
HIM1800	HIM1253 (C) *AND* HIM1260 (C)	--	--	$41.00	$6.00	$8.25
HIM2012	HIM1110 (C)	--	--	--	--	--
HIM2112C	HIM1800 (C)	--	HIM2012 (C) *AND* HIM2652 (C)	--	--	--
HIM2214L	--	--	--	--	--	--
HIM2232	HIM1253 (C) *AND* HIM1253L (C)	HIM2232L (C)	--	$43.00	--	--
HIM2232L	HIM1253 (C) *AND* HIM1253L (C)	HIM2232 (C)	--	--	--	--
HIM2234C	--	--	--	$43.00	--	--
HIM2433	--	--	--	--	--	--
HIM2500	HIM2012 (C)	--	--	--	--	--
HIM2512	HIM2012 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
HIM2652	HIM1800 (C)	--	--	--	--	--
HIM2728	--	--	HIM2728L (C)	--	--	--
HIM2728L	--	--	HIM2728 (C)	--	--	--
HIM2810	HIM1800 (C) *AND* HIM2012 (C) *AND* HIM2232 (C)	--	HIM2234C (C)	$78.00	$6.00	$8.25
HIM2930L	--	--	--	--	--	--
HIS2939	--	--	--	--	--	--
HIS2955	--	--	--	--	--	--
HLP1081	--	--	--	--	--	--
HLP1087	--	--	--	--	--	--
HLP2949	--	--	--	--	--	--
HSA2810L	ACG2001 *AND* HSA2111 *AND* HSC1531 *AND* HSC1949 *AND* MAN2021 *AND* MNA2345	--	--	--	--	$8.25
HSC0692	--	--	--	$5.00	--	--
HSC0693	--	--	--	--	--	--
HSC1000	--	--	--	--	--	--
HSC1101C	--	--	--	--	--	--
HSC1149	--	--	--	--	--	--
HSC1531	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
HSC2100	--	--	--	--	--	--
HSC2400	--	--	--	$12.00	--	--
HSC2577	--	--	--	--	--	--
HUM1020	--	--	--	--	--	--
HUN1201	--	--	--	--	--	--
HUN3011	BSC2085 (C) BSC2085L (C) BSC2086 (C) BSC2086L (C) MCB2010 (C)	--	--	--	--	--
HUN3202	--	--	--	--	--	--
IDH2121	ENC1101 (C)	--	--	--	--	--
IDS1030	--	--	--	--	--	--
IDS1040	--	--	--	--	--	--
IDS1999C	--	--	--	--	--	--
IDS2931	ENC1101 (C)	--	--	--	--	--
INR2002	--	--	--	--	--	--

ISM2311C	ACG2001 (C) *AND* CIS2028 (C) *AND* CIS2321C (C) *AND* CTS2131C (C) *AND* CTS2148C (C) *AND* GEB2430 (C) *AND* MAN2021 (C) *AND* MNA1161 (C) *AND* MNA2345 (C)	CTS1214C (C)	--	--	--	--
ISM3013C	--	--	--	--	--	--
ISM3057C	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ISM3201C	--	--	--	--	--	--
ISM3314C	CIS1513C (C)	--	--	--	--	--
ISM3320	ISM3013 (C)	--	--	--	--	--
ISM3432	--	--	--	--	--	--
ISM3545C	CGS1510C (C)	--	--	--	--	--
ISM4220C	ISM3013 (C)	--	--	--	--	--
ISM4382	ISM3320 (C)	--	--	--	--	--
ISM4480C	ISM3057C (C)	--	--	--	--	--
ISM4547C	ISM3545C (C)	--	--	--	--	--
ISM4881C	ISM3314C (C)	--	--	--	--	--
ISM4930C	CIS1513C (C)	--	--	--	--	--
ITA1120	--	--	--	--	--	--
ITA1121	ITA1120	--	--	--	--	--
ITA2220	ITA1121 (C)	--	--	$15.00	--	--
JOU1100	ENC1101 (C)	--	--	--	--	--
JOU1400L	JOU1100 (C)	--	--	--	--	--
JOU1401L	JOU1100 (C)	JOU1400L (C)	--	--	--	--
JOU1402L	JOU1100 (C) JOU1400 (C)	--	--	--	--	--
JOU2200	JOU1100 (C)	--	--	--	--	--
JOU2949	--	--	--	--	--	--
JST1500	--	--	--	--	--	--
JST1700	--	--	--	--	--	--
JST2400	--	--	--	--	--	--
JST2815	--	--	--	--	--	--
LAH1004	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
LAH1005	--	--	--	--	--	--
LEI1000	--	--	--	--	--	--
LEI1260	--	--	--	--	--	--
LEI1700	--	--	--	--	--	--
LEI2401	--	--	--	--	--	--
LEI2731C	--	--	--	--	--	--
LEI2861	--	--	--	--	--	--
LIT1172	--	--	--	--	--	--
LIT1370	--	--	--	--	--	--
LIT2000	--	--	--	--	--	--
LIT2020	--	--	--	--	--	--
LIT2030	--	--	--	--	--	--
LIT2110	--	--	--	--	--	--
LIT2120	--	--	--	--	--	--
LIT2190	--	--	--	--	--	--
LIT2310	--	--	--	--	--	--
LIT2330	--	--	--	--	--	--
LIT2341	--	--	--	--	--	--
LIT2510	--	--	--	--	--	--
LIT2935	--	--	--	--	--	--
MAC1105	MAT1033 (C)	--	--	--	--	--
MAC1114	MAC1105 (C)	--	--	--	--	--
MAC1140	MAC1105 (C)	--	--	--	--	--
MAC1147	MAC1105 (B)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MAC2233	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAP2302 (C) **OR** MAS2103 (C)	--	--	--	--	--
MAC2311	MAC1147 (C) **OR** MAC1114 (C) *AND* MAC1140 (C)	--	--	--	--	--
MAC2312	MAC2311 (C)	--	--	--	--	--
MAC2313	MAC2312 (C) **OR** MAC2312U (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MAD2104	MAC1114 (C) **OR** MAC1140 (C) **OR** MAC1147 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C)	--	--	--	--	--
MAE3143	MAE4320 (C) **OR** MAE4330 (C)	MAE3941 (C)	--	--	--	$8.25

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MAE3941	MAD2104 (C) *AND* MAE4320 (C) *AND* MAS2103 (C) *AND* MHF4404 (C) *AND* MTG3212 (C) **OR** MAD2104 (C) *AND* MAE4330 (C) *AND* MAS2103 (C) *AND* MHF4404 (C) *AND* MTG3212 (C)	--	--	--	$6.00	--
MAE4310	EDF3280 (C)	--	--	--	$6.00	--
MAE4320	EDF3280 (C) *AND* MAC2311 (C)	--	--	--	$6.00	--
MAE4330	EDF3280 (C) *AND* MAC2311 (C)	--	--	--	$6.00	--
MAE4945	--	--	--	--	$6.00	--
MAN2021	--	--	--	--	--	--
MAN2300	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MAN2542	CGS1510C (C) *AND* STA2023 (C) *AND* TRA1154 (C)	--	--	--	--	--
MAN2604	--	--	--	--	--	--
MAN3240	--	--	--	--	--	--
MAN3303	--	--	--	--	--	--
MAN3310	--	--	--	--	--	--
MAN3930	--	--	--	--	--	--
MAN3931	--	--	--	--	--	--
MAN3932	--	--	--	--	--	--
MAN4102	--	--	--	--	--	--
MAN4120	--	--	--	--	--	--
MAN4320	--	--	--	--	--	--
MAN4330	--	--	--	--	--	--
MAN4504	Two college-level mathematics courses with a minimum grade of a C in each course	--	--	--	--	--
MAN4570	--	--	--	--	--	--
MAN4720	BUL3130 (C) *AND* FIN3400 (C) *AND* GEB3213 (C) *AND* MAN3240 (C) *AND* MAN3930 (C)	--	MAN4900	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
	AND MAN3931 (C) *AND* MAN4504 (C) **OR** BUL3130 (C) *AND* FIN3400 (C) *AND* GEB3213 (C) *AND* MAN3240 (C) *AND* MAN3931 (C) *AND* MAN3932 (C) *AND* MAN4504 (C) **OR** BUL3130 (C) *AND* FIN3400 (C) *AND* GEB3213 (C) *AND* MAN3240 (C) *AND* MAN3930 (C) *AND* MAN3932 (C) *AND* MAN4504 (C)					
MAN4900	MAN4720 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MAN4937	MAN3310 (C)	--	--	--	--	--
MAN4940	GEB4131 (C) *AND* MAN3303 (C) *AND* MAN4720 (C) *AND* QMB2302C (C) **OR** MAN4720 (C) *AND* MAR3231 (C) *AND* MAR3323 (C) *AND* MAR3524 (C) **OR** MAN4320 (C) *AND* MAN4330 (C) *AND* MAN4720 (C) *AND* MAN4937 (C) **OR** CIS1513C (C) *AND* ISM3314C (C) *AND* MAN4720 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MAP2302	MAC2312 (C) *OR* MAC2313 (C)	--	--	--	--	--
MAR1011	--	--	--	--	--	--
MAR2141	--	--	--	--	--	--
MAR2644C	CGS1060C (C)	--	--	--	--	--
MAR3231	--	--	--	--	--	--
MAR3323	--	--	--	--	--	--
MAR3524	CGS1060C (C)	--	--	--	--	--
MAR3802	--	--	--	--	--	--
MAR4840	--	--	--	--	--	--
MAS2103	MAC1114 (C) *AND* MAC1140 (C) *OR* MAC1147 (C)	--	--	--	--	--
MAS4300	MAC2311 (C) *AND* MAD2104 (C)	--	--	--	--	--
MAT0018C	--	--	--	$35.00	--	--
MAT0022C	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MAT0028C	MAT0018C (C) *AND* MAT0018L **OR** MAT0057 (PR) **OR** MAT0022C (PR) *AND* MAT0022L	--	--	$35.00	--	--
MAT0055	--	--	--	--	--	--
MAT0056	--	--	--	--	--	--
MAT0057	--	--	--	--	--	--
MAT1033	MAT0022C OR MAT0028C OR MAT0057 (C)	--	--	--	--	--

MCB2010	BSC2085 (C) *AND* BSC2085L (C) *AND* CHM1032 (C) **OR** BSC2085 (C) *AND* BSC2085L (C) *AND* CHM1040 (C) **OR** BSC2085 (C)	MCB2010L (C)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
	AND BSC2085L (C) *AND* CHM1045 (C) **OR** BSC2085 (C) *AND* BSC2085L (C) *AND* CHM1020 (C) **OR** BSC2010 (C) *AND* BSC2010L (C) *AND* CHM1032 (C) **OR** BSC2010 (C) *AND* BSC2010L (C) *AND* CHM1040 (C) **OR** BSC2010 (C) *AND* BSC2010L (C) *AND* CHM1045 (C)					

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
	OR BSC2010 (C) *AND* BSC2010L (C) *AND* CHM1020 (C) **OR** ZOO2010 (C) *AND* ZOO2010L (C) *AND* CHM1032 (C) **OR** ZOO2010 (C) *AND* ZOO2010L (C) *AND* CHM1040 (C) **OR** ZOO2010 (C) *AND* ZOO2010L (C) *AND* CHM1045 (C) **OR** ZOO2010 (C) *AND* ZOO2010L (C) *AND*					

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
	CHM1020 (C) **OR** BOT2010 (C) *AND* BOT2010L (C) *AND* CHM1032 (C) **OR** BOT2010 (C) *AND* BOT2010L (C) *AND* CHM1040 (C) **OR** BOT2010 (C) *AND* BOT2010L (C) *AND* CHM1045 (C) **OR** BOT2010 (C) *AND* BOT2010L (C) *AND* CHM1020 (C)					

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MCB2010L	At least one general education biology course, biology lab, *AND* chemistry course. Students must earn at least a C in each course.	MCB2010 (C)	--	$55.00	--	--
MCB3020	BSC2010 (C) *AND* BSC2010L (C) *AND* BSC2011 (C) *AND* BSC2011L (C) *AND* CHM1045 (C) *AND* CHM1045L (C) *AND* CHM1046 (C) *AND* CHM1046L (C)	--	MCB3020L (C)	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MCB3020L	BSC2010 (C) *AND* BSC2010L (C) *AND* BSC2011 (C) *AND* BSC2011L (C) *AND* CHM1045 (C) *AND* CHM1045L (C) *AND* CHM1046 (C) *AND* CHM1046L (C)	--	--	63.00	--	--
MEA0005	--	--	--	--	--	--
MEA0204	--	MEA0204L (S)	--	--	--	--
MEA0204L	--	MEA0204	--	$23.00	--	--
MEA0233	--	--	--	--	--	--
MEA0242	--	--	--	--	--	--
MEA0255	--	MEA0255L	--	--	--	--
MEA0255L	--	MEA0255	--	$23.00	--	--
MEA0258	--	--	--	--	--	--
MEA0259	MEA0258	--	MEA0259L	--	--	--
MEA0259L	MEA0258	--	MEA0259	$93.00	--	--
MEA0334C	--		--	$21.00	--	--
MEA0382	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MEA0540	--	--		--	--	--
MEA0582	MEA0005 (C)	MEA0255 (C) *AND* MEA0255L (S)	--	--	--	--
MEA0800	--	--	MEA0952 (C)	--	--	$8.25
MEA0952	--	--	MEA0800 (S)	--	--	--
MEA1007	--	--	--	--	--	--
MEA1206	--	--	--	--	--	--
MEA1206L	--	--	--	--	--	--
MEA1235	--	--	--	--	--	--
MEA1245	--	--	--	--	--	--
MEA1245L	--	--	--	--	--	--
MEA1258	--	--	--	--	--	--
MEA1259	--	--	--	--	--	--
MEA1259L	--	--	--	--	--	--
MEA1265	--	--	--	--	--	--
MEA1265L	--	--	--	--	--	--
MEA1304	--	--	--	--	--	--
MEA1304L	--	--	--	--	--	--
MEA1542	--	--	--	--	--	--
MEA1542L	--	--	--	--	--	--
MEA1805L	--	--	--	--	--	--
MEA1925	--	--	--	--	--	--
MET4700	ESC1000 (C) AND MAC1105 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MGF1106	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAP2302 (C) **OR** MAS2103 (C) **OR** MAT0029C (C) **OR** MAT1033 (C) **OR** MGF1107 (C) **OR** STA1001 (C) **OR** STA2023 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MGF1107	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAP2302 (C) **OR** MAS2103 (C) **OR** MAT0029C (C) **OR** MAT1033 (C) **OR** MGF1106 (C) **OR** STA1001 (C) **OR** STA2023 (C)	--	--	--	--	--
MHF4404	MAC2311 (C) *AND* MAD2104 (C)	--	--	--	--	--
MKA1021	--	--	--	--	--	--
MKA1511	--	--	--	--	--	--
MKA1930	--	--	--	--	--	--
MKA2042	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MKA2701C	CGS1060C (C)	--	--	--	--	--
MKA2931	MKA1930	--	--	--	--	--
MKA2932	MKA1930 AND MKA2931					
MKA2949	--	--	--	--	--	--
MLS2811L	--	--	--	--	--	--
MLS2930	--	--	--	--	--	--
MLT1022	--	--	--	--	--	--
MLT1022L	--	--	--	--	--	--
MLT1040	--	--	--	--	--	--
MLT1044L	--	--	--	--	--	--
MLT2362	--	--	--	--	--	--
MLT2362L	--	--	--	--	--	--
MLT2400	--	--	--	--	--	--
MLT2400L	--	--	--	--	--	--
MLT2530	--	--	--	--	--	--
MLT2530L	--	--	--	--	--	--
MLT2807L	--	--	--	--	--	--
MLT2809L	--	--	--	--	--	--
MLT2810L	--	--	--	--	--	--
MMC1000	--	--	--	--	--	--
MMC2121	--	--	--	--	--	--
MNA1161	--	--	--	--	--	--
MNA1949	--	--	--	--	--	--
MNA2329	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MNA2345	--	--	--	--	--	--
MNA2403	--	--	--	--	--	--
MNA2905	--	--	--	--	--	--
MNA2949	--	--	--	--	--	--
MSL1001	--	--	--	--	--	--
MSL1002	--	--	--	--	--	--
MSL2101	--	--	--	--	--	--
MSL2102	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
		--		--	--	--
	--	--	--		6.00	8.25
	--	--	--	--	--	--
	--		--	$40.00	$6.00	$8.25
	--	--	--	--	--	--
			--	$40.00	$6.00	$8.25
	--	--	--	--	--	--
			--	$40.00	$6.00	$8.25
	--	--	--	$40.00	$6.00	$8.25
MTB1310	MAT0028C (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MTB1370	--	NUR1020 **OR** NUR2000	--	--	--	--
MTE1004C	--	--	--	$96.00	$6.00	--
MTE1018C	MTE1004C (C)	--	--	--	$6.00	--
MTE1040C	MTE1004C (C) *AND* MTE1400C (C)	--	--	$72.00	$6.00	--
MTE1062C	MTE1312C *AND* MTE1400C	--	--	$90.00	$6.00	--
MTE1073C	MTE1004C (C) *AND* MTE1400C (C)	--	--	$87.00	$6.00	--
MTE1167C	MTE1004C (C) *AND* MTE1400C (C)	--	--	--	$6.00	--
MTE1312C	MTE1004C (C)	--	--	$176.00	$6.00	--
MTE1400C	MTE1004C (C)	--	--	$91.00	$6.00	--
MTE1542C	MTE1004C (C) *AND* MTE1400C (C)	--	--	--	$6.00	--
MTE1543C	MTE2420C (C)	--	--	$88.00	$6.00	--
MTE1651C	--	--	--	$175.00	$6.00	

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MTE2041C	MTE1004C (C) *AND* MTE1040C (C) *AND* MTE1400C (C)	--	--	$75.00	$6.00	--
MTE2234C	MTE1004C (C) *AND* MTE1018C (C) *AND* MTE1400C (C)	--	--	$69.00	$6.00	--
MTE2420C	MTE1004C (C) *AND* MTE1400C (C)	--	--	$108.00	$6.00	--
MTE2490C	MTE1004C (C) *AND* MTE1400C (C)	--	--	$77.00	$6.00	--
MTE2541C	MTE1004C (C) *AND* MTE1400C (C)	--	--	$118.00	$6.00	--
MTE2949	MTE1004C (C) *AND* MTE1018C (C) *AND* MTE1400C (C)	--	--	--	$6.00	--
MTG3212	MAD2104 (C)	--	--	--	--	--
MUE1440	--	MUT1111	--	--	--	--
MUE1450	--	MUT1111	--	--	--	--
MUH2019	--	--	--	--	--	--
MUH2111	--	--	--	--	--	--
MUH2112	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MUL2010	--	--	--	--	--	--
MUM1600C	MUS2342C (C) *AND* MUS2344C (C)	--	MUS2348C (C)	$100.00	--	--
MUM2601C	MUM1600C (C) *AND* MUS2348C (C)			$100.00	--	--
MUM2602C	MUM2640C (C)	--	--	--	--	--
MUM2620C	MUS1360 (C)	--	--	--	--	--
MUM2640C	MUS2348C (C)	--	--	--	--	--
MUM2700	--	--	--	--	--	--
MUM2730	MUM2700 (C)	--	--	--	--	--
MUN1120	--	--	--	--	--	--
MUN1180	--	--	--	--	--	--
MUN1210C	--	--	--	--	--	--
MUN1280C	--	--	--	--	--	--
MUN1310	--	--	--	--	--	--
MUN1340C	--	--	--	--	--	--
MUN1341C	--	--	--	--	--	--
MUN1380C	--	--	--	--	--	--
MUN1430C	--	--	--	--	--	--
MUN1440C	--	--	--	--	--	--
MUN1460C	--	--	--	--	--	--
MUN1480C	--	--	--	--	--	--
MUN1481C	--	--	--	--	--	--
MUN1710C	--	--	--	--	--	--
MUN1711	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MUN1712	--	--	--	--	--	--
MUN1780C	--	--	--	--	--	--
MUS1360	--	--	--	$100.00	--	--
MUS2332C	MUS1360 (C)	--	--	$100.00	--	--
MUS2342C	MUS1360 (C)	MUS2344C (C)	--	$100.00	--	--
MUS2344C	MUS1360 (C)	--	MUS2342C (C)	$100.00	--	--
MUS2348C	MUS2342C (C) *AND* MUS2344C (C)	--	MUM1600C (C)	$100.00	--	--
MUS2349C	MUM2601C (C) *AND* MUM2640C (C)	--	--	$100.00	--	--
MUS2905	--	--	--	--	--	--
MUS2930	--	--	--	--	--	--
MUS2940	MUM1600C (C) *AND* MUM2700 (C) *AND* MUS2348C (C)	--	--	--	--	--
MUT1001	--	--	--	--	--	--
MUT1111	--	MUT1241	--	--	--	--
MUT1112	MUT1111	--	MUT1242	--	--	--
MUT1241	--	--	MUT1111	--	--	--
MUT1242	MUT1241	--	MUT1112	--	--	--
MUT1271C	MUS1360 (C)	--	--	--	--	--
MUT1272C	MUS1360 (C) *AND* MUT1271C (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MUT2116	MUT1112	--	MUT2246	--	--	--
MUT2117	MUT2116	--	MUT2247	--	--	--
MUT2246	MUT1242	--	MUT2116	--	--	--
MUT2247	MUT2246	--	MUT2117	--	--	--
MUT2641	MUT1111	--	--	--	--	--
MUT2642	MUT2641	--	--	--	--	--
MVB1011	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVB1012	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVB1013	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$ 107.00	--	--
MVB1014	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVB1015	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVB1211	--	--	--	$53.00	--	--
MVB1212	--	--	--	$53.00	--	--
MVB1213	--	--	--	$53.00	--	--
MVB1214	--	--	--	$53.00	--	--
MVB1215	--	--	--	$53.00	--	--
MVB1311	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB1312	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB1313	--	--	MVK1211 (C) **OR** MVK2221 (C)	$1107.00	--	--
MVB1314	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB1315	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB2221	--	--	--	$53.00	--	--
MVB2222	--	--	--	$53.00	--	--
MVB2223	--	--	--	$53.00	--	--

MVB2224	--	--	--	$53.00	--	--
MVB2225	--	--	--	$53.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVB2321	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB2322	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB2323	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB2324	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVB2325	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVJ1010	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVJ1011	--	--	MVK1211 **OR** MVK2221	$107.00	--	--
MVJ1013	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVJ1014	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVJ1019	--	--	MVK1211 **OR** MVK2221	$107.00	--	--
MVJ1210	--	--	--	$53.00	--	--
MVJ1211	--	--	--	$53.00	--	--
MVJ1213	--	--	--	$53.00	--	--
MVJ1214	--	--	--	$53.00	--	--
MVJ1219	--	--	--	$53.00	--	--
MVJ1310	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVJ1311	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVJ1313	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVJ1314	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVJ1319	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVJ2220	--	--	--	$53.00	--	--
MVJ2223	--	--	--	$53.00	--	--
MVJ2224	--	--	--	$53.00	--	--
MVJ2229	--	--	--	$53.00	--	--
MVJ2320	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVJ2323	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVJ2324	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVJ2329	--	--	MVK1211 **OR** MVK2221	$107.00	--	--
MVK1011	--	--	--	$120.00	--	--
MVK1013	--	--	MVK1011 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVK1111	--	--	--	$53.00	--	--
MVK1112	MVK1111	--	--	$53.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVK1211	--	--	--	$53.00	--	--
MVK1213	--	--	--	$53.00	--	--
MVK1311	--	--	--	$107.00	--	--
MVK1313	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVK2221	--	--	--	$53.00	--	--
MVK2223	--	--	--	$53.00	--	--
MVK2321	--	--	--	$107.00	--	--
MVK2323	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVO1070	--	--	--	$107.00	--	--
MVP1011	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVP1211	--	--	--	$53.00	--	--
MVP1311	--	--	MVK1111 (C) **OR** MVK1112 (C) **OR** MVK2221 (C)	$107.00	--	--
MVP2221	--	--	--	$53.00	--	--
MVP2321	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVS1011	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVS1012	--	--	MVK1211 **OR** MVK2221	$107.00	--	--
MVS1013	--	--	MVK1211 **OR** MVK2221	$107.00	--	--
MVS1014	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$ 07.00	--	--
MVS1015	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVS1016	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVS1116	--	--	--	--	--	--
MVS1211	--	--	--	$53.00	--	--
MVS1212	--	--	--	$53.00	--	--
MVS1213	--	--	--	$53.00	--	--

MVS1214	--	--	--	$53.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVS1215	--	--	--	$53.00	--	--
MVS1216	--	--	--	$53.00	--	--
MVS1311	--	--	MVK1111 **OR** MVK1112	$107.00	--	--
MVS1312	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS1313	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS1314	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVS1315	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS1316	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVS2126	--	--	--	$53.00	--	--
MVS2221	--	--	--	$53.00	--	--
MVS2222	--	--	--	$53.00	--	--
MVS2223	--	--	--	$53.00	--	--
MVS2224	--	--	--	$53.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVS2225	--	--	--	$53.00	--	--
MVS2226	--	--	--	$53.00	--	--
MVS2321	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS2322	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS2323	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS2324	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS2325	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVS2326	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVV1011	--	--	MVK1211 (C) **OR** MVK2221 (C)	$53.00	--	--
MVV1111	--	--	--	--	--	--
MVV1211	--	--	--	$53.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVV1311	--	--	MVK1111 **OR** MVK1211 **OR** MVK2221	$107.00	--	--
MVV2221	--	--	--	$53.00	--	--
MVV2321	--	--	MVK1211 **OR** MVK2221	$107.00	--	--
MVW1011	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVW1012	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVW1013	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVW1014	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVW1015	--	--	MVK1111 **OR** MVK1112 **OR** MVK2221	$107.00	--	--
MVW1211	--	--	--	$53.00	--	--
MVW1212	--	--	--	$53.00	--	--
MVW1213	--	--	--	$53.00	--	--
MVW1214	--	--	--	$53.00	--	--
MVW1215	--	--	--	$53.00	--	--
MVW1311	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW1312	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW1313	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW1314	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW1315	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW2221	--	--	--	$53.00	--	--
MVW2222	--	--	--	$53.00	--	--
MVW2223	--	--	--	$53.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
MVW2224	--	--	--	$53.00	--	--
MVW2225	--	--	--	$53.00	--	--
MVW2321	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW2322	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW2323	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
MVW2324	--	--	MVK1211 (C) **OR** MVK2221 (C)	$ 107.00	--	--
MVW2325	--	--	MVK1211 (C) **OR** MVK2221 (C)	$107.00	--	--
NMT1002	--	NMT1002L (S) *AND* NMT1430 (C)	--	--	--	--
NMT1002L	--	--	--	$57.00	--	--
NMT1430	--	--	--	--	--	--
NMT1630	NMT1804 (C)	--	--	--	--	--
NMT1714	--	--	--	--	--	--
NMT1804	NMT1002L (C)	--	--	--	--	--
NMT1814	NMT1630 (C)--	--	--	--	--	--
NMT1900	NMT1714 (C)	--	--	--	--	--
NMT2061	--		--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NMT2102	NMT2723 (C)--	--	--	--	--	--
NMT2130	NMT1630 (C)		--	--	--	--
NMT2534	--	NMT2834 (C)	--	--	--	--
NMT2713	--	NMT2713L (C) *AND* NMT2824 (C)	--	--	--	--
NMT2713L	--	NMT2713 (C)	--	$34.00	--	--
NMT2723	--	NMT2723L (S) *AND* NMT2834 (C)	--	--	--	--
NMT2723L	--	NMT2723 (C)	--	$34.00	--	--
NMT2779	--	NMT2824 (C)	--	--	--	--
NMT2824	--	NMT2713 (C)	--	--	--	--
NMT2834	--	NMT2723 (C)	--	--	--	--
NMT2960	NMT2713 (C)		--	--	--	--
NUR1020	BSC2085 (C) *AND* BSC2085L (C) *AND* BSC2086 (C) *AND* BSC2086L (C) *AND* ENC1101 (C)	HSC1149 *AND* MTB1370 *AND* NUR1020L	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NUR1020L	--	HSC1149 (C) *AND* MTB1370 (S) *AND* NUR1020 (C)	--	$57.00	$6.00	$8.25
NUR1210	MTB1370 (S) *AND* NUR1020 (C) *AND* NUR1020L (S)	--	HSC1149 *AND* NUR1210L	--	--	--
NUR1210L	MTB1370 (S) *AND* NUR1020 (C) *AND* NUR1020L (S)	HSC1149 (C) *AND* NUR1210 (C)	--	$57.00	$6.00	$8.25
NUR1220	HSC1149 (C) *AND* NUR1210 (C) *AND* NUR1210L (S) **OR** HSC1149 (C) *AND* MTB1370 (S) *AND* NUR2000 (C) *AND* NUR2000L (S)	NUR1220L (S)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NUR1220L	HSC1149 (C) *AND* NUR1210 (C) *AND* NUR1210L (S) **OR** HSC1149 (C) *AND* NUR2000 (C) *AND* NUR2000L (S)	NUR1220 (C)	--	$57.00	$6.00	$8.25
NUR1304L	NUR1220 (C) *AND* NUR1220L (S)	NUR1310 (C)	--	$57.00	$6.00	$8.25
NUR1310	NUR1220 (C) *AND* NUR1220L (S)	NUR1310L (S) **OR** NUR1304L (S)	--	--	--	--
NUR1310L	NUR1220 (C) *AND* NUR1220L (S)	--	NUR1310 (C)	$57.00	$6.00	$8.25
NUR1400L	NUR1220 (C) *AND* NUR1220L (S)	NUR1421 (C)	--	$57.00	$6.00	$8.25
NUR1421	NUR1220 (C) *AND* NUR1220L (S)	NUR1421L (S) **OR** NUR1400L (S)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NUR1421L	NUR1220 (C) *AND* NUR1220L (S)	NUR1421 (C)	--	$57.00	$6.00	$8.25
NUR1500L	NUR1220 (C) *AND* NUR1220L (S)	NUR1520 (C)	--	$60.00	$6.00	$8.25
NUR1520	NUR1220 (C) *AND* NUR1220L (S)	--	NUR1520L **OR** NUR1500L	--	--	--
NUR1520L	NUR1220 (C) *AND* NUR1220L (S)	NUR1520 (C)	--	$60.00	$6.00	$8.25
NUR2000	BSC2085 (C) *AND* BSC2085L (S) *AND* BSC2086 (C) *AND* BSC2086L (C) *AND* MAC1105 (C) *AND* ENC1101 (C)	--	HSC1149 *AND* MTB1370 *AND* NUR2000L	--	--	--
NUR2000L	BSC2086 (C) *AND* BSC2086L (C) *AND* ENC1101 (C)	HSC1149 (C) *AND* MTB1370 (S) *AND* NUR2000 (C)	--	$57.00	$6.00	$8.25

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NUR2221	NUR1220 (C) *AND* NUR1220L (S) *AND* NUR1310 (C) *AND* NUR1310L (S) *AND* NUR1421 (C) *AND* NUR1421L (S) *AND* NUR1520 (C) *AND* NUR1520L (S) **OR** NUR1310 (C) *AND* NUR1421 (C) *AND* NUR1520 (C) *AND* NUR1500L (S) *AND* NUR1304L (S) *AND* NUR1400L (S)	--	NUR2221L	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NUR2221L	NUR1310 (C) *AND* NUR1310L (S) *AND* NUR1421 (C) *AND* NUR1421L (S) *AND* NUR1520 (C) *AND* NUR1520L (S) **OR** NUR1310 (C) *AND* NUR1421 (C) *AND* NUR1520 (C) *AND* NUR1500L (S) *AND* NUR1304L (S) *AND* NUR1400L (S)	NUR2221 (C)	--	$64.00	$6.00	$8.25
NUR2222	NUR2221 (C) *AND* NUR2221L (S)	NUR2222L (S)	--	--	--	--
NUR2222L	NUR2221 (C) *AND* NUR2221L (S)	NUR2222 (C)	--	$57.00	$6.00	$8.25
NUR2801	NUR2222 (C) *AND* NUR2222L (S)	NUR2801L (S)		--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NUR2801L	NUR2222 (C) *AND* NUR2222L (S)	NUR2801 (C)	--	$363.00	$6.00	$8.25
NUR2811	NUR2222 (C) *AND* NUR2222L (S)	NUR2811L (S)	--	--	--	--
NUR2811L	NUR2222 (C) *AND* NUR2222L (S)	NUR2811 (C)	--	$363.00	$6.00	$8.25
NUR3069	--	--	NUR3069L	--	--	--
NUR3069L	--	--	NUR3069	$155.00	$6.00	$8.25
NUR3119	NUR3069 (C) *AND* NUR3069L (C)	--	--	--	--	--
NUR3167	NUR3069 (C) *AND* NUR3069L (C)	--	--	--	--	--
NUR3678	--	--	--	--	--	--
NUR3805	--	--	--	--	--	--
NUR4128	BSC2085 (C)	BSC2085L (C) *AND* BSC2086 (C) *AND* BSC2086L (C)	--	--	--	--
NUR4165	NUR3069 (C) *AND* NUR3069L (C)	--	--	--	--	--
NUR4195	NUR3119 (C)	--	--	$79.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
NUR4284	NUR3069 (C) *AND* NUR3069L (C) *AND* NUR3805 (C) *AND* STA2023 (C)	--	--	--	--	--
NUR4636	NUR3805 (C)		NUR4636L	--	--	--
NUR4636L	NUR3805 (C)		NUR4636	$35.00	$6.00	$8.25
NUR4667	NUR3805 (C)	--	--	--	--	--
NUR4826	--	--	--	--	--	--
NUR4827	NUR3119 (C)		--	--	--	--
NUR4870	--	--	--	--	--	--
NUR4945	--	--	NUR4945L	--	--	--
NUR4945L	--	--	NUR4945	$69.00	--	--
OCE1001	--	--	--	--	--	--
OCE1001L	--	OCE1001	--	$31.00	--	--
OCE3008	MAC1105 (C)	--	--	--	--	--
OCE3064C	PCB4043 (C)	--	--	--	--	--
OPT1110	--	OPT1110L (S) OPT1210 OPT1330	--	--	--	--
OPT1110L	--	OPT1110 OPT1210 OPT1330	--	$1.00	--	--
OPT1150	OPT1110 *AND* OPT1110L (S) *AND* OPT1210	--	OPT1150L (S) *AND* OPT2090 (S)	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
OPT1150L	OPT1110 *AND* OPT1110L (S) *AND* OPT1210	OPT1150	--	$1.00	--	--
OPT1210	--	OPT1110 *AND* OPT1110L (S) *AND* OPT1330	--	--	--	--
OPT1330	--	OPT1110 *AND* OPT1110L (S) *AND* OPT1210	--	--	--	--
OPT1450	OPT1150 *AND* OPT1150L (S) *AND* OPT2090 (S) *AND* OPT2879 (S)	OPT1450L (S) *AND* OPT2500 *AND* OPT2500L (S) *AND* OPT2800L (S)	--	--	--	--
OPT1450L	OPT1150 *AND* OPT1150L (S) *AND* OPT1330 *AND* OPT2375	OPT1450 *AND* OPT2500 *AND* OPT2500L (S) *AND* OPT2800L (S)	--	--	--	--
OPT2060	OPT2800L (S) *AND* OPT2875 (S)	OPT2876 (S)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
OPT2090	OPT1110 *AND* OPT1210 *AND* OPT1330	--	--	--	--	--
OPT2375	OPT1110 *AND* OPT1110L (S) *AND* OPT1210	OPT1150 *AND* OPT1150L (S) *AND* OPT1330 *AND* OPT2879 (S)	--	--	--	--
OPT2420	OPT2500 *AND* OPT2800L (S)	OPT2420L (S)	--	--	--	--
OPT2420L	OPT2500L (S) *AND* OPT2879 (S)	OPT2420	--	$6.00	--	--
OPT2421	OPT2420 *AND* OPT2420L (S)	OPT2421L (S)	--	--	--	--
OPT2421L	OPT2420 *AND* OPT2420L (S)	OPT2421	--	$6.00	--	--
OPT2460	OPT2375 *AND* OPT2500 *AND* OPT2800L (S)	OPT2420 *AND* OPT2830L (S) *AND* OPT2875 (S)	--	--	--	$8.25

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
OPT2461	OPT2420 *AND* OPT2460 *AND* OPT2875 (S)	OPT2421 *AND* OPT2831L (S) *AND* OPT2876 (S)	--	--	$6.00	--
OPT2500	OPT1150	OPT2500L (S)	OPT1450	--	--	--
OPT2500L	OPT1150L (S)	OPT2500	OPT1450L (S)	$2.00	--	--
OPT2800L	OPT1150 *AND* OPT1150L (S)	OPT2375 *AND* OPT2879 (S)	OPT1450L *AND* OPT2500L	$6.00	$6.00	$8.25
OPT2830L	OPT2500 *AND* OPT2500L (S) *AND* OPT2800L (S)	OPT2420 *AND* OPT2460 *AND* OPT2875 (S)	--	$5.00	$6.00	$8.25
OPT2831L	OPT2420L (S) *AND* OPT2460 *AND* OPT2830L (S)	OPT2421 *AND* OPT2461 *AND* OPT2876 (S)	--	$5.00	$6.00	$8.25
OPT2875	OPT2375 *AND* OPT2500 *AND* OPT2800L (S) *AND* OPT2879 (S)	OPT2420 *AND* OPT2420L (S) *AND* OPT2830L (S)	--	--	$6.00	$8.25
OPT2876	OPT2420 *AND* OPT2830L (S) *AND* OPT2875 (S)	OPT2060 *AND* OPT2421 *AND* OPT2461	--	--	$6.00	$8.25

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
OPT2879	OPT1110 *AND* OPT1110L (S) *AND* OPT1210 *AND* OPT1330	OPT1150 *AND* OPT1150L (S) *AND* OPT1330 *AND* OPT2375	--	$3.00	$6.00	$8.25
ORH2527	--	--	--	--	--	--
ORH4256	--	--	--	--	--	--
OST1100C	--	--	--	--	--	--
OST1103C	--	--	--	--	--	--
OST1257C	--	--	--	--	--	--
OST1330	--	--	--	--	--	--
OST1355	--	--	--	--	--	--
OST1795	--	--	--	--	--	--
OST1811C	--	--	--	--	--	--
OST2053	--	--	--	--	--	--
OST2335	--	--	--	--	--	--
OST2455C	--	--	--	--	--	--
OST2456C	--	OST2455C (D)	--	--	--	--
OST2464C	--	--	--	--	--	--
OST2501	--	--	--	--	--	--
OST2764C	--	--	--	--	--	--
OST2852C	--	--	--	--	--	--
OST2949	--	--	--	--	--	--
PAD2002	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PCB3023	BSC2010 (C) *AND* BSC2010L (C)	--	--	--	--	--
PCB3063	BSC2010 (C) *AND* BSC2010L (C) *AND* BSC2011 (C)	--	--	--	--	--
PCB3063L	--	--	PCB3063 (C)	--	--	--
PCB3401C	BSC2011 (C) **OR** ZOO2010 (C)	--	--	--	--	--
PCB4043	BSC2011 (C) **OR** **OR**H2527 (C) **OR** ZOO2010 (C) **OR** BOT2010 (C)	--	--	--	--	--
PCB4303	PCB4043 (C)	--	--	--	--	--
PCB4341C	PCB4043 (C)	--	--	--	--	--
PCB4454C	MAC1105 (C) **OR** STA2023 (C)	--	--	--	--	--
PEL1041C	--	--	--	--	--	--
PEM1116	--	--	--	$1.00	--	--
PEM1121	--	--	--	--	--	--
PEM1131	--	--	--	$1.00	--	--
PEM1141	--	--	--	$0.00	--	--
PEN1121	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PEN1171						
PEN1231	--	--	--	--	--	--
PEN1241	--	--	--	--	--	--
PEN2122	--	--	--	$2.00	--	--
PEN2136	--	--	--	$27.00	--	--
PEO1011C	--	--	--	--	--	--
PEO1031C	--	--	--	--	--	--
PET1303	--	--	--	--	--	--
PET2622C	--	--	--	--	--	--
PGY1801C	ART1300C (C)	--	--	$45.00	--	--
PGY1802C	PGY1801C (C)	--	--	$45.00	--	--
PGY2401C	--	--	--	$65.00	--	--
PGY2404C	PGY2401C (C)	--	--	$65.00	--	--
PGY2800C	PGY2401C (C)	--	--	$62.00	--	--
PGY2905	PGY2401C *AND* PGY2404C	--	--	$64.00	--	--
PHI1100	--	--	--	--	--	--
PHI2010	--	--	--	--	--	--
PHI2600	--	--	--	--	--	--
PHI2930	--	--	--	--	--	--
PHT1020	PHT1801L (S)	--	PHT2224	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PHT1103	--	BSC2086 (C) *AND* BSC2086L (C)	PHT1103L *AND* PHT1200	--	--	--
PHT1103L	--	--	PHT1103 *AND* PHT1200	--	--	--
PHT1200	--	--	PHT1200L (C) *AND* PHT1300 (C)	--	--	--
PHT1200L	--	--	PHT1103L *AND* PHT1200	$28.00	--	--
PHT1211	BSC2086 (C) *AND* BSC2086L (C) *AND* PHT1103 (C) *AND* PHT1200 (C)	--	PHT1211L (C) *AND* PHT2224 (C)	--	--	--
PHT1211L	--	--	PHT1211 (C) *AND* PHT2224L (C)	$65.00	--	--
PHT1300	--	PHT1200 (C) *AND* PHT1310 (C)	--	--	--	--
PHT1310	--	BSC2086 (C) *AND* BSC2086L (C)	PHT1300	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PHT1350	*AND* PHT2224 (C)	PHT2162 (C)	--	--	--	--
PHT1801L	PHT1200L (C) *AND* PHT1300 (C)	--	PHT1211 *AND* PHT2224	--	$6.00	$8.25
PHT2120	*AND* PHT2224 (C)	--	PHT2810L	--	--	--
PHT2120L	PHT1211L (C) *AND* PHT2224L (C)	--	PHT1350 (C) *AND* PHT2120 (C)	--	--	--
PHT2162	PHT1211 (C)	--	PHT2120 *AND* PHT2810L	--	--	--
PHT2224	PHT1103 (C) *AND* PHT1310 (C)	--	PHT1211 (C) *AND* PHT1801L (C) *AND* PHT2224L (C)	--	--	--
PHT2224L	PHT1103L (C) *AND* PHT1200L (C)	--	PHT1211L *AND* PHT2224	$33.00	--	--
PHT2704	PHT1350 (C) *AND* PHT2162 (C)	--	PHT2704L (C) *AND* PHT2931 (C)	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PHT2704L	PHT2120L (C) *AND* PHT2162 (C)	--	PHT2704 *AND* PHT2931	--	--	--
PHT2810L	PHT1010 (C) *AND* PHT1801L (S) *AND* PHT2224L (C)	--	PHT2120 *AND* PHT2120L	--	$6.00	$8.25
PHT2820L	PHT2810L (S)	--		--	$6.00	$8.25
PHT2931	PHT2120 (C) *AND* PHT2810L (S)	--	--	$85.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PHY1001	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC1147 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAP2302 (C) **OR** MAS2103 (C) **OR** MAT1033 (C) **OR** MGF1106 (C) **OR** STA2023 (C)	--	--	--	--	--
PHY1001L	--	PHY1001 (C)	--	$23.00	--	--
PHY2048	MAC2311 (C)		PHY2048L (C)	--	--	--
PHY2048L	--	PHY2048 (C)	--	$11.00	--	--
PHY2049	PHY2048 (C)	MAC2312 (C) *AND* PHY2049L (C)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PHY2049L	PHY2048 (C) *AND* PHY2048L (C)	PHY2049 (C)	--	$28.00	--	--
PHY2053	MAC1114 (C) **OR** MAC1133 (C) **OR** MAC1147 (C) **OR** MTB1322 (C)	PHY2053L (C)	--	--	--	--
PHY2053L	--	PHY2053 (C)	--	$29.00	--	--
PHY2054	PHY2053 (C) *AND* PHY2053L (C)	PHY2054L (C)	--	--	--	--
PHY2054L	PHY2053 (C) *AND* PHY2053L (C)	PHY2054 (C)	--	$22.00	--	--
PLA1003	--	ENC1101 (C)	--	--	--	--
PLA1104	--	ENC1101 (C) *AND* PLA1003 (C)	--	--	--	--
PLA1201	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PLA1303	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLA1435	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLA1600	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLA1610	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLA1800	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLA1841	--	ENC1101 (C)	--	--	--	--
PLA2114	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PLA2466	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLA2762C	ENC1101 (C) *AND* CGS1060C (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	$20.00	--	--
PLA2930	ENC1101 (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLA2940	ENC1101 (C) *AND* CGS1060C (C) *AND* OST1103C (C) *AND* PLA1003 (C) *AND* PLA1104 (C)	--	--	--	--	--
PLP3002C	BOT2010 (C) **OR** BSC2010 (C)	--	--	--	--	--
POS2041	--	--	--	--	--	--
POS2112	--	--	--	--	--	--
POS2601	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PSC1121	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC1147 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAP2302 (C) **OR** MAS2103 (C) **OR** MAT0028 (C) **OR** MAT1033 (C) **OR** MGF1106 (C) **OR** STA2023 (C)	--	--	--	--	--
PSC1121L	--	PSC1121	--	$3.00	--	--
PSC2910	--	--	--	--	--	--
PSC2914	--	--	--	--	--	--
PSC4912	--	--	--	--	--	--
PSC4930	--	--	--	--	--	--
PSC4948	--	--	--	--	--	--
PSY2012	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
PSY2012L	--	--	--	--	--	--
PSY2043	PSY2012	--	--	--	--	--
PSY2905	--	--	--	--	--	--
PSY2930	--	--	--	--	--	--
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QMB1001	--	--	--	--	--	--
QMB2100	MAT1033 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
QMB2302C	--	--	--	--	--	--
RAT1001	--	--	RAT1804 (C)	--	--	--
RAT1002	--	--	RAT1002L (C) *AND* RAT1804 (C)	--	--	--
RAT1002L	--	RAT1002 (C) *AND* RAT1804 (C)	--	$23.00	--	--
RAT1112	--	RAT1614 (C)	--	--	--	--
RAT1123	--	--	--	--	--	--
RAT1123L	RAT1614 (C)	--	RAT1112 *AND* RAT1123 *AND* RAT1212	--	--	--
RAT1210	--	RAT1614 (C)	--	--	--	--
RAT1212	--	RAT1614 (C)	--	--	--	--
RAT1515	--	--	RAT1804 (S)	--	--	--
RAT1614	--	--	--	--	--	--
RAT1804	--	--	RAT1002 (C) *AND* RAT1002L (C)	$15.00	$6.00	$8.25
RAT2021	--	RAT2814 (S)	--	--	--	--
RAT2022	--	RAT2021 (C)	RAT2824 (S)	--	--	--
RAT2023	--	--	RAT2814	--	--	--
RAT2024	RAT2023 (C)	--	RAT2824	--	--	--
RAT2040	--	--	RAT2814	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RAT2041	--	--	RAT2824	--	--	--
RAT2061	--	RAT2619 (C) *AND* RAT2834 (C)	--	--	--	--
RAT2241	RAT2021 (C)	--	RAT2022 (C)	--	--	--
RAT2243	RAT1002 (C)	--	RAT2814 (C)	--	--	--
RAT2617	RAT1002 (C)	--	RAT2814	--	--	--
RAT2618	--	RAT2617 (C)	RAT2824 (C)	--	--	--
RAT2619	--	--	RAT2834	--	--	--
RAT2657	--	RAT2814 (C)	--	--	--	--
RAT2814	--	RAT1804 (C)	--	$15.00	$6.00	$8.25
RAT2824	--	RAT2814 (C)	--	$15.00	$6.00	$8.25
RAT2834	--	--	RAT2619	$15.00	$6.00	$8.25
RAT2905	--	RAT2834	--	--	$6.00	$8.25
REA0007C	--	--	--	--	--	--
REA0017C	REA0007C (C)	--	--	--	--	--
REA0055	--	--	--	--	--	--
REA0056	--	--	--	--	--	--
REA1105	--	--	--	--	--	--
RED3342	--	EDF1005 (C) *AND* EDF2085 (C) *AND* EME2040 (C) *AND* TSL3080 (C)	--	--	$6.00	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RED4519	EDF3280 (C) *AND* RED3342 (C) *AND* TSL3080 (C)	--	EDG4410 (C)	--	$6.00	--
RED4844	EDF3280 (C) *AND* EDG4410 (C) *AND* RED3342 (C) *AND* RED4519 (C) *AND* TSL3080 (C)	--	EEX4843 (C) *AND* TSL4081 (C)	--	$6.00	--
REE1040	--	--	--	--	--	--
REL1210	--	--	--	--	--	--
REL1240	--	--	--	--	--	--
REL2000	--	--	--	--	--	--
REL2300	--	--	--	--	--	--
REL2930	--	--	--	--	--	--
RET1024	BSC2085 (C)	CHM1032 (C)	--	--	--	--
RET1026	BSC2085 (C) *AND* CHM1032 (C)	RET1026L (S) **OR** RET1485 (C)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RET1026L	BSC2085 (C) *AND* CHM1032 (C) *AND* MAT1033 (C) **OR** BSC2085 (C) *AND* CHM1032 (C) *AND* MTB1310 (C)	RET1026 (C) **OR** RET1026 (C) *AND* RET1485 (C)	--	$79.00	--	--
RET1264	RET1026 (C) *AND* RET1026L (S) *AND* RET1485 (C)	--	RET1264L (S) *AND* RET1484 (C) *AND* RET1832L	--	--	--
RET1264L	RET1026 (C) *AND* RET1026L (S) *AND* RET1485 (C)	RET1264 (C) *AND* RET1484 (C) *AND* RET1832L (S)	--	$51.00	--	--
RET1350	RET1485 (C)	--	--	--	--	--
RET1484	RET1026 (C) *AND* RET1026L (S *AND* RET1485 (C)	RET1350RET 1350 (C) *AND* RET1264 (C) *AND* RET1264L (S) *AND* RET1832L (S)	--	--	--	--
RET1485	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RET1832L	RET1026 (C) *AND* RET1026L (C) *AND* RET1485 (C)	RET1350 (C) *AND* RET1264 (C) *AND* RET1484 (C)	--	$22.00	$6.00	$8.25
RET1833L	RET1350 (C) *AND* RET1264 (C) *AND* RET1484 (C) *AND* RET1832L (S)	RET2418 (C)	--	--	$6.00	$8.25
RET2234L	RET1350 (C) *AND* RET1024 (C) *AND* RET1026 (C) *AND* RET1026L (S) *AND* RET1264 (C) *AND* RET1264L (S) *AND* RET1832L (S) *AND* RET1833L (S) *AND* RET2418 (C)	RET2834L	--	--	--	--
RET2265	RET1833L (S) *AND* RET2418 (C)	RET2265L (S)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RET2265L	RET1832L (S) *AND* RET2418 (C)	RET2265 (C) *AND* RET2714 (C) *AND* RET2834L (S)	--	$44.00	--	--
RET2286C	RET2414 (C) *AND AND* RET2714 (C) *AND* RET2834L (C) *AND* RET2934 (C)	--	RET2601(C) *AND* RET2835L(S)	--	--	--
RET2414	RET1485 (C) *AND* RET1833L (S) *AND* RET2418 (C)	--	RET2714 (C) *AND* RET2834L(S)	--	--	--
RET2418	RET1350 (C) *AND* RET1485 (C) *AND* RET1832L (S)	RET1833L (S)	--	--	--	--
RET2601	RET2414 (C) *AND AND* RET2714 (C) *AND* RET2834L (S) *AND* RET2934	--	RET2286C (C) *AND* RET2835L (S)	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RET2714	RET1833L (C) *AND* RET2418 (C)	RET2414 (C) *AND* RET2834L (S)	--	--	--	--
RET2834L	RET1833L (S) *AND* RET2418 (C)	RET2414 (C) *AND* RET2714 (C)	--	--	$6.00	$8.25
RET2835L	RET2414 (C) *AND* RET2834L (S)	RET2286C (C) *AND* RET2601 (C)	--	--	$6.00	$8.25
RET2934	RET1833L (S) *AND* RET2414 (C) *AND AND* RET2418 (C)	--	RET2714 (C) *AND* RET2834L (S)	--	--	--
RMI2110	--	--	--	--	--	--
RMI2212	--	--	--	--	--	--
RMI2662	--	--	--	--	--	--
RTE1000	--		--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE1111	--	RTE1000 (C) *AND* RTE1111L (C) *AND* RTE1503L (C) *AND* RTE1503 (C) *AND* RTE1804 (S)	--	--	--	--
RTE111L	--	RTE1000 (C) *AND* RTE1111 (C) *AND* RTE1503 (C) *AND* RTE1503L (C) *AND* RTE 1804 (C)	--	--	--	--
RTE1418	RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503 (C) *AND* RTE1503L (C) *AND* RTE1804 (C)	RTE1418L (C) *AND* RTE1513 (C) *AND* RTE1513L (C) *AND* RTE1814 (C)	--	--	--	--
RTE1418L	RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503 (C) *AND* RTE1503L (C) *AND* RTE1804 (C)	RTE1418 (C) *AND* RTE1513 (C) *AND* RTE1513L (C) *AND* RTE1814 (C)	--	$40.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE1503	--	RTE1000 (C) *AND* RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503L (C) *AND* RTE1804 (C)	--	--	--	--
RTE1503L	--	RTE1000 (C) *AND* RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503 (C) *AND* RTE1804 (C)	--	$10.00	--	--
RTE1513	RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503 (C) *AND* RTE1503L (C) *AND* RTE1804 (C)	RTE1418 (C) *AND* RTE1418L (C) *AND* RTE1513L (S) *AND* RTE1814 (C)	--	--	--	--
RTE1513L	RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503 (C) *AND* RTE1804 (C)	RTE1418 (C) *AND* RTE1418L (S) *AND* RTE1513 (C) *AND* RTE1814 (C)	--	$10.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE1523	RTE1418 (C) *AND* RTE1418L (S) *AND* RTE1513 (C) *AND* RTE1513L (S) *AND* RTE1613 (C) *AND* RTE1814 (S)	RTE1523L (S) *AND* RTE1824 (S)	--	--	--	--
RTE1523L	RTE1418 (C) *AND* RTE1418L (C) *AND* RTE1513 (C) *AND* RTE1513L (C) *AND* RTE1814 (C)	RTE1523 (C) *AND* RTE1824 (C)	--	$10.00	--	--
RTE1613	RTE1000 (C) *AND* RTE1111 (C) *AND* RTE1503 (C) *AND* RTE1503L (S) *AND* RTE1804 (S)	RTE1418 (C) *AND* RTE1513 (C) *AND* RTE1513L (S) *AND* RTE1814 (S) *AND* RTE1513L (C)	--	--	--	--
RTE1763	RTE1513L (C) *AND* RTE1523 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE1804	RTE1000 (C)	RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503 (C) *AND* RTE1503L (C)	--	$11.00	$6.00	$8.25
RTE1814	RTE1111 (C) *AND* RTE1111L (C) *AND* RTE1503 (C) *AND* RTE1503L (C) *AND* RTE1804 (C)	RTE1418 (C) *AND* RTE1418L (C) *AND* RTE1513 (C) *AND* RTE1513L (C)	--	$11.00	$6.00	$8.25
RTE1824	RTE1418 (C) *AND* RTE1418L (C) *AND* RTE1513 (C) *AND* RTE1513L (C) *AND* RTE1814 (C)	RTE1523 (C) *AND* RTE1523L (C) *AND* RTE1763 (C)		$11.00	$6.00	$8.25
RTE2061	RTE2116 (C) *AND* RTE2116L (C) *AND* RTE2563 (C) *AND* RTE2844 (C)	RTE2854 (C)	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE2116	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (C) *AND* RTE2834 (C)	RTE2116L (C) *AND* RTE2563 (C) *AND* RTE2844 (C)	--	--	--	--
RTE2116L	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (C) *AND* RTE2834 (C)	RTE2116 (C) *AND* RTE2563 (C) *AND* RTE2844 (C)	--	--	--	--
RTE2130	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (S) *AND* RTE2533 (C) *AND* RTE2834 (S)	RTE2130L(S) *AND* RTE2623 (C) *AND* RTE2782 (C) *AND* RTE2844 (S)	--	--	--	--
RTE2130L	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (S) *AND* RTE2533 (C) *AND* RTE2834 (S)	RTE2130 (C) *AND* RTE2782 (C) *AND* RTE2623 (C) *AND* RTE2844 (S)	--	$14.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE2385	RTE1523 (C) *AND* RTE1523L (S) *AND* RTE1824 (S)	RTE2457 (C) *AND* RTE2457L (S) *AND* RTE2834 (S)	--	--	--	--
RTE2457	RTE1523 (C) *AND* RTE1523L (C) *AND* RTE1824 (C) *AND* RTE1763 (C)	RTE2385 (C) *AND* RTE2457L (C) *AND* RTE2834 (C)	--	--	--	--
RTE2457L	RTE1523 (C) *AND* RTE1523L (C) *AND* RTE1824 (C) *AND* RTE1763 (C)	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2834 (C)	--	$40.00	--	--
RTE2533	RTE1523 (C) *AND* RTE1523L (C) *AND* RTE1824 (S)	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (S) *AND* RTE2834 (S)	--	--	--	--
RTE2563	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE2623	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (S) *AND* RTE2533 (C) *AND* RTE2834 (S)	RTE2130 (C) *AND* RTE2130L (S) *AND* RTE2782 (C) *AND* RTE2844 (S)	--	--	--	--
RTE2782	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (S) *AND* RTE2533 (C) *AND* RTE2834 (S)	RTE2130 (C) *AND* RTE2130L (S) *AND* RTE2623 (C) *AND* RTE2844 (S)	--	--	--	--
RTE2834	RTE1763 (C) *AND* RTE1824 (C)	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (C)	--	$7.00	$6.00	$8.25
RTE2844	RTE2385 (C) *AND* RTE2457 (C) *AND* RTE2457L (C) *AND* RTE2834 (C)	RTE2116 (C) *AND* RTE2116L (C) *AND* RTE2563 (C)	--	$7.00	$6.00	$8.25

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
RTE2854	RTE2116 (C) *AND* RTE2116L (C) *AND* RTE2563 (C) *AND* RTE2844 (S)	RTE2061 (C)	--	$7.00	$6.00	$8.25
RTE2905	--	--	--	--	--	--
RTV2000	--	--	--	$4.00	--	--
RTV2102	ENC1101 *AND* ENC1102	--	--	--	--	--
RTV2241C	--	--	--	$9.00	--	--
RTV2949	--	--	--	--	--	--
RUS1120	--	--	--	--	--	--
RUS1121	RUS1120 (C)	--	--	--	--	--
SCE3320	EDF3280 (C)	--	--	--	$6.00	--
SCE3420	CHM1045 (C) *AND* CHM1045L (C) *AND* MAC1105 (C) *AND* PHY1001 (C) *AND* PHY1001L (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
SCE3941	SCE3320 (C) *AND* SCE4330 (C) **OR** CHM3203 (C) *AND* CHM3203L (C) *AND* PCB3063 (C) *AND* PCB4043 (C) *AND* SCE3320 (C) *AND* ZOO4713 (C) *AND* ZOO4713L (C)	--	--	--	$6.00	--
SCE4310	--	--	--	--	--	--
SCE4330	--	--	--	--	$6.00	--
SCE4945	--	--	--	--	$6.00	--
SLS1001	--	--	--	--	--	--
SLS1103	--	--	--	--	--	--
SLS1261	--	--	--	--	--	--
SLS1272	--	--	--	--	--	--
SLS1501	--	--	--	--	--	--
SLS2271	--	--	--	--	--	--
SLS2715	--	--	--	--	--	--
SON1003L	SON1100L (C)	--	SON1111	$28.00	--	--
SON1100L	--	SON1170 (C)	--	$28.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
SON1111	SON1170 (C)	--	SON1121	--	--	--
SON1112	SON1111 (C)	--	SON1122	--	--	--
SON1121	SON1170 (C)	--	SON1111	--	--	--
SON1122	SON1121 (C)	--	SON1112	--	--	--
SON1141	SON1212 (C)	--	SON1824	--	--	--
SON1170	--	SON1100L (C)	--	--	--	--
SON1211	SON1100 (C) **OR** SON1100L (C)	--	SON1111	--	--	--
SON1212	SON1211 (C)	--	SON1112	--	--	--
SON1214	SON1111 (C)	--	SON1112	--	--	--
SON1215	SON1111 (C)	--	SON2834	--	--	--
SON1804	SON1100L (C)	--	SON1121	--	$6.00	$8.25
SON1814	SON1804 (S)	--	SON1112	--	$6.00	$8.25
SON1824	SON1814 (S)	--	--	--	$6.00	$8.25
SON2013L	SON1003L *AND* SON1111 *AND* SON1121	--	SON1112 *AND* SON1122	$28.00	--	--
SON2061	--	--	SON2844	--	--	--
SON2171	--	--	--	--	--	--
SON2175	SON2171 (C)	--	--	--	--	--
SON2176	SON2175 (C)	--	--	--	--	--
SON2400	SON1141 (C)		SON2400L	--	--	--
SON2400L	SON1141 (C)	--	--	$28.00	--	--
SON2401	--	--	SON2844	--	--	--
SON2401L	SON2400L (C)	--	--	$28.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
SON2834	SON1824 (S)	--	SON2400	--	$6.00	$8.25
SON2844	SON2834 (S)	--	SON2401	$41.00	$6.00	$8.25
SOP2002	--	--	--	--	--	--
SOW2020	--	--	--	--	--	--
SOW2054	--	--	--	--	--	--
SPC1024	--	--	--	--	--	--
SPC1511	--	--	--	--	--	--
SPC1608	--	--	--	--	--	--
SPN1000	--	--	--	--	--	--
SPN1120	--	--	--	--	--	--
SPN1121	SPN1120 (C)	--	--	--	--	--
SPN1170	--	--	--	--	--	--
SPN2201	SPN2220 (C)	--	--	--	--	--
SPN2220	SPN1121 (C)	--	--	--	--	--
SPN2240	SPN1120 *AND* SPN1121	--	--	--	--	--
SPN2340	--	--	--	--	--	--
SPN2955	SPN2201	--	--	--	--	--
STA1001	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
STA2023	MAC1105 (C) **OR** MAC1114 (C) **OR** MAC1140 (C) **OR** MAC2233 (C) **OR** MAC2311 (C) **OR** MAC2312 (C) **OR** MAC2313 (C) **OR** MAP2302 (C) **OR** MAS2103 (C) **OR** MAT0029C (C) **OR** MAT1033 (C) **OR** MGF1106 (C) **OR** STA1001 (C)	--	--	--	--	--
SWS2242C	--	--	--	--	--	--
SWS3022	CHM1040 (C) *AND* CHM1045 (C)	--	--	--	--	--
SYG2000	--	--	--	--	--	--
SYG2010	--	--	--	--	--	--
SYG2230	--	--	--	--	--	--
SYG2322	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
SYG2323	--	--	--	--	--	--
SYG2340	--	--	--	--	--	--
SYG2421	--	--	--	--	--	--
SYG2441	--	--	--	--	--	--
SYG2905	--	--	--	--	--	--
SYG2940	--	--	--	--	--	--
SYG2942	--	--	--	--	--	--
TAX2000	ACG2001 (C)	--	--	--	--	--
TAX2010	ACG2011 (C) *AND* TAX2000 (C)	--	--	--	--	--
THE2000	--	--	--	--	--	--
THE2051L	--	--	TPA2192L	$50.00	--	--
THE2052L	--	--	--	$24.00	--	--
THE2100	--	--	--	--	--	--
THE2300	--	--	--	--	--	--
TPA1290	--	--	--	$50.00	--	--
TPA1291	--	--	--	$50.00	--	--
TPA1292	--	--	--	$50.00	--	--
TPA2000C	--	--	--	--	--	--
TPA2192L	--	--	THE2051L (C)	$50.00	--	--
TPA2200	--	--	--	$38.00	--	--
TPA2220	TPA2200	--	--	--	--	--
TPA2248	--	--	--	$50.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
TPA2900	TPA2000C (B) *AND* TPA2200 (B) *AND* TPA2248 (B) *AND* TPP2110 (B)	--	--	--	--	--
TPP1190L	TPA2000C (B) *AND* TPA2200 (B) *AND* TPA2248 (B) *AND* TPP2110 (B)	--	--	--	--	--
TPP1191L	--	--	--	$50.00	--	--
TPP1192L	--	--	--	$50.00	--	--
TPP2110C	--	--	--	$43.00	--	--
TPP2111C	TPP2110C (C)	TPP2700C (C) **OR** TPP2500C (C)	--	$43.00	--	--
TPP2190L	--	--	--	$50.00	--	--
TPP2260C	TPP2110C (C)	--	--	$24.00	--	--
TPP2500C	--	--	--	$45.00	--	--
TPP2700C	--	--	--	$43.00	--	--
TPP2701C	TPP2700C (C)	--	--	$43.00	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
TPP2900L	TPP2110 (B) *AND* TPP2111 (B) *AND* TPP2500C (B) *AND* TPP2700C (B)	--	--	--	--	--
TRA1010	--	--	--	--	--	--
TRA1154	--	--	--	--	--	--
TRA2098	--	--	--	--	--	--
TRA2930	--	--	--	--	--	--
TRA3132	STA2023 (C) *AND* TRA3155 (C)	--	--	--	--	--
TRA3155	TRA1010 (C) *AND* TRA1154 (C) *AND* STA2023 (C)	--	--	--	--	--
TRA3163	STA2023 (C) *AND* TRA3155 (C)	--	--	--	--	--
TRA3936	--	--	--	--	--	--
TRA4153	STA2023(C) *AND* TRA3155 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
TRA4721	BUL4264 (C) *AND* TRA3155 (C)	--	--	--	--	--
TRA4910	BUL3130 (C) *AND* BUL4264 (C) *AND* FIN3403 (C) *AND* MAN3240 (C) *AND* TRA3132 (C) *AND* TRA3155 (C) *AND* TRA4153 (C) *AND* TRA4721 (C)	--	--	--	--	--
TRA4945	BUL3130 (C) *AND* BUL4264 (C) *AND* FIN3403 (C) *AND* MAN3240 (C) *AND* TRA3132 (C) *AND* TRA3155 (C) *AND* TRA4153 (C) *AND* TRA4721 (C)	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
TSL3080	--	EDF1005 (C) *AND* EDF2085 (C) *AND* EME2040 (C) *AND* RED3342 (C)	--	--	$6.00	--
TSL4081	EDF3280 (C) *AND* EDF4430 (C) *AND* EDG4410 (C) *AND* EDP4004 (C) *AND* RED3352 (C) *AND* EEX3011 (C) *AND* TSL3080 (C) **OR** EDF3280 (C) *AND* EDF4430 (C) *AND* EDG4410 (C) *AND* EDP4004 (C) *AND* RED4519 (C) *AND* EEX3011 (C) *AND* TSL3080 (C)	EEX4843 (C) *AND* RED4519 (C) **OR** EEX4843 (C) *AND* RED4844 (C)	--	--	$6.00	--
WOH2040	--	--	--	--	--	--

Course ID	Prerequisite(s) (Minimum Grade Required)	Pre- OR Co-requisite(s) (Minimum Grade Required)	Co-requisite(s) (Minimum Grade Required)	Laboratory Fee	Student Accident Insurance	Professional Liability Insurance
ZOO2010	--	ZOO2010L (C)	--	--	--	--
ZOO2010L	--	ZOO2010 (C)	--	$36.00	--	--
ZOO4234	BSC2010 (C) *AND* BSC2011 (C)	--	--	--	--	--
ZOO4234L	BSC2010 (C)	--	ZOO4234 (C)	$85.00	--	--
ZOO4713	--	ZOO4713L (C)	--	--	--	--
ZOO4713L	--	ZOO4713 (C)	--	$18.00	--	--

Appendix B

Articulation Agreements and Industry Certifications

	Program Title	Broward College Articulated Program	Number of Credits
High School	Entrepreneur	Marketing Management A.S	3
	Hospitality and Tourism	Hospitality and Tourism Management A.S	6
	Marketing, Management & Entrepreneurial Principles	Marketing Management A.S	6
	Marketing, Management & Entrepreneurial Principles	Business Administration	6
	Marketing, Management & Entrepreneurial Principles	Marketing Management A.S	9
	Early Childhood Education (NEW)	Early Childhood Education A.S	6-9*
	Allied Health Assisting	Health Information Technology A.S	3 Credits
	Allied Health Assisting	Massage Therapy PSAV	90 Clock Hours
	Allied Health Assisting	Medical Assisting PSAV	90 Clock Hours
	Allied Health Assisting	Pharmacy Technician PSAV	90 Clock Hours
	Allied Health Assisting	Physical Therapist Assistant	3 Credits
	Allied Health Assisting	Radiography A.S	3 Credits
	Allied Health Assisting	Respiratory Care	3 Credits
	Building Trades and Construction Design Technology	Building Construction Technology A.S	6
	Computer Systems Technology	Engineering Technology	15
	Electronic Technology (High School)	Engineering Technology A.S	21
	Engineering Pathways	Engineering Technology A.S	*6-9
	Global Logistics and Supply Chain Technology (High School)	Supply Chain Management	9-12
	Criminal Justice Operations	Criminal Justice Technology A.S	6
	Accounting Operations	Accounting Technology A.S.	15
	Accounting Operations	Office Administration A.S (Any Specialization)	26
	Administrative Office Specialist	Office Administration (Office Management Specialization)	27
	Commercial Foods and Culinary Arts	Culinary Arts Management A.S	36
	Electronic Business Enterprise	Office Administration	6
	Legal Administrative Specialist	Office Administration A.S.	23
	Medical Administrative Specialist	Office Administration A.S.	26
	Medical Administrative Specialist	Office Administration A.S.	26
	Medical Coder/Biller	Medical Office	28

Technical Colleges	Medical Coder/Biller	Office Administration A.S.	28
	Medical Record Transcribing	Office Administration A.S.	34
	Medical Record Transcribing	Office Administration A.S.	34
	Early Childhood Education (NEW)	Early Childhood Education A.S	9
	Paramedic	Emergency Medical Services A.S	38
	Dental Assisting or (H170105)	Dental Assisting A.S	44
	Dental Assisting or (H170105)	Dental Hygiene A.S	11
	Dental Assisting Technology and	Dental Assisting A.S	7
	Dental Assisting Technology and	Dental Hygiene A.S	11
	Dental Laboratory Technology	Dental Assisting A.S	7
	Emergency Medical Technician (Basic)--	Emergency Medical Services A.S	12
	Medical Coder/Biller-ATD	Health Information Technology A.S	26
	Medical Record Transcribing	Health Information Technology A.S	14
	Optometric Assisting	Vision Care Tech/Opticianry A.S	23
	Practical Nursing (LPN)	LPN to RN A.S	10
	Advanced Automotive Technology	Automotive Service Management Technology A.A.S (Dealer Specific)	50
	Air Conditioning, Refrigeration and Heating Technology	Industrial Management Technology A.S	27
	Applied Welding Technologies/Welding Technologies	Industrial Management Technology A.S	27
	Automotive Collision Repair and	Industrial Management Technology A.S	27
	Automotive Service Technology	Automotive Service Management Technology A.A.S (General)	44
	Commercial Photography Technology	Industrial Management Technology A.S	27
	Cosmetology	Industrial Management Technology A.S	27
	Computer Systems Technology	Engineering Technology	15
	Court Reporting * (Daggered)	Industrial Management Technology A.S	27
	Drafting PSAV	Industrial Management Technology A.S	27
	Electricity	Industrial Management Technology A.S	27
	Electronic Technology	Engineering Technology A.S	18
	Air Conditioning, Refrigeration and Heating Technology (PS) - APPR	Industrial Management Technology A.S	27
	Brick & Block	Building Construction Technology A.S	3
	Building Construction Technologies –	Industrial Management Technology A.S	27
	Building Trades and Construction Design Technology	Building Construction Technology A.S	6
	Electrical Line Service and Repair – APPR	Industrial Management Technology A.S	27
	Electrician	Building Construction Technology A.S	3
	Electrician- APPR	Industrial Management Technology A.S	27
	Elevator Constructor Mechanic – APPR	Industrial Management Technology A.S	27

Fire Sprinkler System Technology - APPR	Industrial Management Technology A.S	27
Global Logistics and Supply Chain	Global Trades and Logistics A.S	9-12
Heavy Equipment Operation - APPR	Industrial Management Technology A.S	27
Industrial Machinery Maintenance - APPR	Industrial Management Technology A.S	27
Machining Technology	Engineering Technology	15
Machining	Industrial Management Technology A.S	27
Machining – APPR	Engineering Technology	12
Marine Service Technology or	Marine Engineering Management A.A.S	15-17
Marine Service Technology 1 and 2	Marine Engineering Management A.A.S	15-17
Painting and Decorating - APPR	Industrial Management Technology A.S	27
Plastering - APPR	Industrial Management Technology A.S	27
Plumbing Technology - APPR	Industrial Management Technology A.S	27
Sheet Metal Fabrication Technology -	Industrial Management Technology A.S	27
Structural Steel Work – APPR	Industrial Management Technology A.S	27
Surveying and Mapping Technology -	Industrial Management Technology A.S	27
Television Production	Industrial Management Technology A.S	27
Tile Setting – APPR	Industrial Management Technology A.S	27
Correctional Officer	Criminal Justice Technology	6
Fire Fighter I/II	Fire Science Technology (FESHE)	3
Florida Law Enforcement Academy	Criminal Justice Technology	15
Applied Cybersecurity	Computer Information Technology A.S	12
Business Computer Programming	Computer Programming and Analysis A.S	15
Cloud Computing and Virtualization	Computer Information Technology A.S	12
Cloud Computing and Virtualization	Networking Systems Technology A.S	12
Computer Systems & Information Technology (CSIT)	Computer & Network Security	18
Computer Systems & Information Technology (CSIT)	Computer Information Technology A.S	15
Computer Systems & Information Technology (CSIT)	Computer Systems Technology	21
Machining – APPR	Engineering Technology A.S	12
Machining Technologies	Engineering Technology A.S	6
Network Support Services	Networking Systems Technology A.S	15
Network Systems Administration	Networking Systems Technology A.S	15

Certification Title	Program Title	# of Credits
Arts, Humanities, Communication & Design		
Adobe Certified Associate (ACS - Photoshop (Creative Cloud)	Digital Media/Multimedia	6
Adobe Certified Associate (ACS - Photoshop (Creative Cloud)	Graphic Design	3
Adobe Certified Associate Illustrator	Graphic Design	3
Creative Cloud Adobe Indesign	Graphic Design	3
Business		
Accredited Legal Professional (ALP)	Office Administration	3
Certified Bookkeeper	Accounting Technology	3
Certified Culinarian (CC)	Culinary Management	3
Certified Food Protection Manager (ServSafe®)	Culinary Management	3
Certified Food Safety Manager	Culinary Management	2
Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)	Office Administration	9
Microsoft Office Specialist (MOS) Bundle Certification (3 of 6) Contains Word or Word Expert Certification	Office Administration	9
Microsoft Office Specialist (MOS) Bundle Certification (3 of 6) Contains Excel or Excel Expert Certification	Office Administration	9
Microsoft Office Specialist (MOS) Bundle Certification (3 of 6) Contains Access Certification	Office Administration	9
Microsoft Office Specialist (MOS) Bundle Certification (3 of 6) Contains Word, Excel, and Access certifications	Office Administration	15
Microsoft Office Specialist Master	Office Administration	3
National ProStart Certificate of Achievement	Culinary Management	3
Professional Legal Secretary (PLS)	Office Administration	9
Quickbooks Certified User	Accounting Technology	3
Child Development Associate (CDA)	Early Childhood Education	9
Health Science		

Certified Dental Assistant (CDA)	Dental Assisting Technology and Management	5
Certified Healthcare Documentation Specialist (CHDS)	Health Information Management	3
Certified Nurse Assistant	Massage Therapy	75 clock hours
Certified Nurse Assistant	Medical Assissting	75 clock hours
Certified Nurse Assistant	Pharmacy Technician	75 clock hours
Certified Phlebotomy Technician	Medical Laboratory Technology	1
Certified Phlebotomy Technician	Medical Laboratory Technology	1
Certified Phlebotomy Technician	Massage Therapy, Medical Assisti	75 clock hours
Certified Surgical Technologist (CST)	Massage Therapy, Medical Assisti	75 clock hours
Emergency Medical Technician (EMT)	Emergency Medical Services	12
Home Health Aide (HHA)	Massage Therapy, Medical Assisti	75 clock hours
Licensed Practical Nurse (LPN)	Nursing RN	10
Licensed Vocational Nurse (LVN)	Massage Therapy, Medical Assisti	75 clock hours
Registered Phlebotomy Technician (RPT)	Medical Laboratory Technology	3
Registered Nurse (RN) Licensed	Bachelors of Science in Nursing	30

Industry, Manufacturing, Construction & Transportation

ASE - Automatic Transmission/Transaxle (A2)	Automotive Service Management Technology	4
ASE - Brakes (A5)	Automotive Service Management Technology	4
ASE - Electrical/Electronic Systems (A6)	Automotive Service Management Technology	4
ASE - Engine Performance (A8)	Automotive Service Management Technology	4
ASE - Engine Repair (A1)	Automotive Service Management Technology	4
ASE - Heating and Air Conditioning (A7)	Automotive Service Management Technology	4
ASE - Manual Drive Train and Axles (A3)	Automotive Service Management Technology	4
ASE - Suspension and Steering (A4)	Automotive Service Management Technology	4
ASE Auto Maintenance and Light Repair (G1)	Automotive Service Management Technology	4
ASE - Master Technician	Automotive Service Management Technology	50

Autodesk Certified User-Revit Architecture	Building Construction Technology	3
Autodesk Certified User - Autodesk Inventor	Engineering Technology	3
Autodesk Certified Professional - Inventor	Engineering Technology	3
Certified Solidworks Associate - Academic (CSWA-Academic)	Engineering Technology	3
CompTIA A+	Engineering Technology	6
FAA Ariframe Machanic	Aviation Maintenance Management	36
FAA Powerplant Mechanic	Aviation Maintenance Management	24
Global Logistics Associate (GLA)	Supply Chain Management	12
LEED Professional Accreditation	Building Construction Technology	3
MSSC Certified Production Technician (CPT)	Engineering Technology	15
NCCER Construction Technology (Secondary)	Building Construction Technology	3
NIM S Machining Level I CNC Milling: Programming Set Up & Operations	Engineering Technology	3
NIM S Machining Level I CNC Turning: Programming Set Up & Operations	Engineering Technology	3
NIM S Machining Level II - Grinding Skills II	Engineering Technology	2
Apparatus Operations	Fire Science Technology	3
Building Construction	Fire Science Technology	3
Company Officer	Fire Science Technology	3
Codes and Standards	Fire Science Technology	3
Construction Documents and Plans Review	Fire Science Technology	3
Ethical & Legal Issues for the Fire Service	Fire Science Technology	3
Firefighting Tactics & Strategies I	Fire Science Technology	3
Firefighting Tactics & Strategies II	Fire Science Technology	3
Fire Chemistry	Fire Science Technology	3
Fire Investigation: Origin and Cause	Fire Science Technology	3
Fire & Life Safety Educator	Fire Science Technology	3
Fire Prevention Practices	Fire Science Technology	3
Fire Service Course Delivery	Fire Science Technology	3
Fire Science Course Design	Fire Science Technology	3
Fire Service Hydraulics	Fire Science Technology	3
Latent Investigations	Fire Science Technology	3

Legal Issues for Investigation	Fire Science Technology	3
Private Fire Prevention Systems I	Fire Science Technology	3
Private Fire Protection Systems II	Fire Science Technology	3
Science, Technology, Engineering, & Math		
Adobe Certified Associate (ACA) - Dreamweaver	Internet Services Technology	3
Adobe Certified Associate (ACA) - Flash	Internet Services Technology	3
Certified Ethical Hacker	Computer and Network Security	6
Certified Information Systems Security Professional (CISSP)	Information Technology BAS	3
Certified Inter Web (CIW) Advanced HTML5 & CSS3 Specialist Certification Partners	Computer Information Technology	3
Certificate Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	Computer Programming & Analysis	3
Certificate Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	Internet Services Technology (now called Web development Technology at BC)	3
Certified Internet Web (CIW) Database Design Specialist	Computer Information Technology	3
Certificate Internet Web (CIW) Database Design Specialist	Computer Programming & Analysis	3
Certified Internet Web (CIW) JavaScript Specialist	Computer Programming & Analysis	3
Certified Internet Web (CIW) Site Development Associate	Internet Services Technology (now called Web development Technology at BC)	3
Certified Internet Web (CIW) Web Design Specialist	Internet Services Technology (now called Web development Technology at BC)	3
Certified Wireless Network Administrator (CWNA)	Networking Systems Technology	0
Cisco Certified Entry Networking Technician (CCENT)	Computer and Network Security	3
Cisco Certified Entry Networking Technician (CCENT)	Computer Information Technology	
Cisco Certified Entry Networking Technician (CCENT)	Networking Systems Technology	6

Cisco Certified Network Associate (CCNA)	Computer and Network Security	6
Cisco Certified Network Associate (CCNA)	Networking Systems Technology	12
Cisco Certified Network Associate Security (CCNA Security)	Computer Information Technology	3
Cisco Certified Network Associate Security (CCNA Security)	Networking Systems Technology	3
Cisco Certified Network Associate (CCNA) Routing and Switching	Computer and Network Security	6
Cisco Certified Network Professional (CCNP)	Networking Systems Technology	21
CompTIA A+	Computer Information Technology	6
CompTIA A+	Computer and Network Security	6
CompTIA A+	Networking Systems Technology	6
CompTIA A+	Technology Project Management	6
CompTIA Linux+	Computer Information Technology	3
CompTIA Linux+	Networking Systems Technology	3
CompTIA Linux+	Computer & Network Security	3
CompTIA Linux+	Computer Programming Technology	3
CompTIA Network+	Computer Information Technology	3
CompTIA Network+	Computer & Network Security	3
CompTIA Network+	Networking Systems Technology	3
CompTIA Network+	Technology Project Management	3
CompTIA Project+	Computer Information Technology	3
CompTIA Project+	Computer Programming and Analysis	3
CompTIA Project+	Networking Systems Technology	3
CompTIA Project+	Computer & Network Security	3

CompTIA Project+	Technology Project Management	6
CompTIA Security+	Computer Information Technology	3
CompTIA Security+	Computer & Network Security	3
CompTIA Security+	Networking Systems Technology	3
CompTIA Server+	Computer Information Technology	3
MCSA-SQL Server 2012	Networking Systems Technology	3
MCSA Windows Server 2012 (Installing & Configuring Windows Server)	Computer Information Technology	3
MCSA Windows Server 2012 (Installing & Configuring Windows Server)	Networking Systems Technology	3
MCSA Windows Server 2012 (Installing & Configuring Windows Server)	Computer & Network Security	3
MCSA Windows Server 2012 (Administering Windows Server)	Computer Information Technology	3
MCSA Windows Server 2012 (Administering Windows Server)	Networking Systems Technology	3
MCSA Windows Server 2012 (configuring Advanced Windows Server)	Computer Information Technology	3
MCSA Windows Server 2012 (configuring Advanced Windows Server)	Networking Systems Technology	3
MCSE Data Platform	Networking Systems Technology	3
Marine Electrical Certification	Marine Engineering Technology	6
MCSA-SQL Server 2012	Computer Information Technology	3
MCSA-SQL Server 2012	Computer Programming & Analysis	3
MCSE Data Platform	Computer Information Technology	3
MCSE Data Platform	Computer Programming & Analysis	3
Microsoft Certified Professional (MCP) - Microsoft Project	Technology Project Management	2
Microsoft Certified Professional Developer (ASP.NET Developer)	Internet Services Technology	3

Microsoft Technology Associate (MTA) - HTML5 Application Developer Fundamentals	Internet Services Technology	3
Microsoft Office Specialist (MOS) Excel	Computer Information Technology	3
Modeling & Simulation (M&S) Certification National Center for Simulation	Computer Information Technology	3
Modeling & Simulation (M&S)	Computer Programming & Analysis	3
MTA - Database Administration Fundamentals	Computer Information Technology	3
MTA-Database Administration Fundamentals	Computer Information Technology	3
MTA-Database Administration Fundamentals	Computer Programming & Analysis	3
MTA - Database Administration Fundamentals	Networking Systems Technology	
MTA Software Testing Fundamentals	Computer Programming & Analysis	3
Oracle Certified Associate (OCA): Java Programmer	Computer Programming & Analysis	3
Systems Security Certified Practitioner (SSCP)	Computer & Network Security	3
Porject Management Professional (PMP) OR Certified Associate Project Manager	Information Technology BAS	3
Porject Management Professional (PMP) OR Certified Associate Project Manager	Technology Management BAS	3

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