

PROGRAMS OF STUDY

Chart of Technical Education Programs

Associate in Applied Science Programs

Associate in Science Programs

Certificate Programs

Diploma Programs

**Broward Community College
Technical Education Programs
2006-2007**

| Programs | Degree/ Certificate | Location | High School Diploma/GED | Test | Catalog Page |
|---|------------------------|------------------------|------------------------------------|-------------|-----------------|
| Accounting Technology Accounting Applications | AAS AS C | North, Central, South, | HS Diploma/GED | CPT | 109 |
| Architectural Design & Construction Tech. | ATC | | HS Diploma/GED | CPT | 109 |
| Interior Design | ATC | DTC | Associate Degree | None | |
| Automotive Technology Programs | | | | | 111 |
| Automotive Service Mgt-Technician Dealer-Specific | AAS AS AS AAS | Miramar Miramar | HS Diploma/GED HS Diploma/GED | CPT CPT | |
| Aviation Institute | | | | | 114 |
| Aircraft Airframe Mechanic | PSAV Certificate | South | HS Diploma/GED | TABE | |
| Aircraft Powerplant Mechanic | PSAV Certificate | South | HS Diploma/GED | TABE | |
| Airport Operations Management | AS | South | HS Diploma/GED | CPT | |
| Aviation Operations | AS | South | HS Diploma/GED | CPT | |
| Aviation Maintenance Management | AAS | South | HS Diploma/GED | CPT | |
| Avionics | PSAV Certificate | South | HS Diploma/GED | TABE | |
| Professional Pilot | AS | South | HS Diploma/GED | CPT | |
| Biomedical Engineering Technology | AAS ATC | North North | HS Diploma/GED Associate Degree | CPT None | 119 |
| Building Construction Technology | AS | DTC | | CPT | 120 |
| Business | | | | | 121 |
| Business Administration | AAS AS | North, Central, South | HS Diploma/GED | CPT | |
| Business Management | C | North, Central, South | HS Diploma/GED | CPT | |
| Business Management-Customer Service | C | North, Central, South | HS Diploma/GED | CPT | |
| Business Management – Sports Mgmt | C | Central | HS Diploma/GED | CPT | |
| Business Specialist – Small Business Management Option | C | | | | |
| Business Specialist – International Business Option | C | North | HS Diploma/GED | CPT | |
| International Business Management | AS | North North | HS Diploma/GED HS Diploma/GED | CPT CPT | |
| Civil Engineering Technology | AS | DTC | HS Diploma/GED | CPT | 125 |
| Computer Engineering Technology | AAS | North | HS Diploma/GED | CPT | 126 |
| Computer Information Administrator | | | | | 127 |
| Computer Systems Specialist | AAS AS | North Central | HS Diploma/GED | CPT | |
| Tech Support Specialist | AAS AS | Central | HS Diploma/GED | CPT | |
| Information Technology Help Desk Specialist | C | Central | HS Diploma/GED | CPT | |
| Information Technology Linux System Administrator | C | Central | HS Diploma/GED | CPT | |
| Information Technology Microsoft Office Specialist | C | Central | HS Diploma/GED | CPT | |
| Information Technology Sun Solaris System Administrator | C | Central | HS Diploma/GED | CPT | |
| Information Technology Analysis Linux System Administrator | C | | | | |

AAS-ASSOCIATE IN APPLIED SCIENCE DEGREE AS-ASSOCIATE IN SCIENCE DEGREE ATC-ADVANCED TECHNICAL CERTIFICATE

ATD-APPLIED TECHNICAL DIPLOMA C-CERTIFICATE

CHSE-CENTER FOR HEALTH SCIENCES EDUCATION WHC-DOWNTOWN HIGHER EDUCATION COMPLEX

**BAT-BASIC ABILITIES TEST-ADMINISTERED IN THE CRIMINAL JUSTICE TESTING CENTER, CENTRAL

*THESE PROGRAMS REQUIRE AN ADDITIONAL APPLICATION AND STUDENTS MUST MEET PROGRAM ADMISSION CRITERIA. FOR FURTHER INFORMATION, CALL 954-201-6780 OR SEE PROGRAM OF STUDY CATALOG PAGE.

**Broward Community College
Technical Education Programs
2006-2007**

| Programs | Degree/ Certificate | Location | High School Diploma/GED | Test | Catalog Page |
|--|--|--|--|---|-----------------|
| Computer Programming and Analysis Applications Programmer Computer Programmer Sun Java Specialist Software Development | AS C AS | North Central Central North Central | HS Diploma/GED HS Diploma/GED HS Diploma/GED | CPT CPT CPT | 131 |
| Criminal Justice/Institute of Public Safety Criminal Justice Technology Broward County Correctional Officer Academy (Restricted Admission) Broward County Correctional Probation Officer Academy (Restricted Admission) Broward County Police Academy (Restricted Admission) Criminal Justice Crime Scene Emphasis Law Enforcement Officer – Crossover from Correction Officer (Restricted Admission) Law Enforcement Officer – crossover From Correctional Probation Officer (Restricted Admission) Police Service Aide Academy (Restricted Admission) Polygraph Emphasis | AS PSAV Certificate PSAV Certificate PSAV Certificate AS PSAV Certificate PSAV Certificate PSAV Certificate AS | Central Central Central Central Central Central Central Central | HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED | CPT TABE BAT** BAT** BAT** CPT BAT** BAT** BAT** CPT | 133 |
| Customer Assistance Technology | PSAV Certificate | North | None Needed | TABE | 138 |
| Database Technology Microsoft MCDBA Oracle Professional Database Administrator Oracle Professional Database Developer Oracle Systems Administrator Oracle Software Engineering | AS AS AS C C | Central Central Central Central Central | HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED | CPT CPT CPT CPT CPT | 139 |
| Dental Assisting * | C | Central | HS Diploma/GED | TABE | 143 |
| Dental Hygiene * | AS | Central | HS Diploma/GED | CPT | 144 |
| Diagnostic Medical Sonography (Ultrasound) Diagnostic Sonography Specialist Vascular Sonography * | AAS AS C ATC | North | Associate Degree Associate Degree | CPT None | 146 |

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 *These programs require an additional application and students must meet program admission criteria.
 for further information, call 954-201-6780 or See program of study catalog page.

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|---|---------------------------------|---|--|-----------------------------------|-----------------|
| Digital Media/Multimedia Technology Digital Media/Multimedia Tech Digital Media/Multimedia Production Digital Media Web Production Multimedia Web Development Project Manager in Digital Design | AAS C C ATC ATC | South South South South South | HS Diploma/GED HS Diploma/GED HS Diploma/GED Associate Degree Associate Degree | CPT CPT CPT None None | 148 |
| Early Childhood Education | AS | North | HS Diploma/GED | CPT | 150 |
| Electronic Commerce | AAS C | North, Central, South | HS Diploma/GED | CPT | 151 |
| Electronics Engineering Technology | AAS | North | HS Diploma/GED | CPT | 153 |
| Emergency Medical Services * Emergency Medical Services * Emergency Medical Technician * Paramedic * | AS ATD C | Central North Central North Central North | HS Diploma/GED HS Diploma/GED HS Diploma/GED | CPT None CPT | 154 |
| Environmental Science Technology Environmental Science Technology Geographic Information Systems | AS ATC | Central Central | HS Diploma/GED Associate Degree | CPT None | 157 |
| Fire Science Technology | AS | Central | HS Diploma/GED | CPT | 158 |
| Graphics Technology Graphics Technology (Graphic Design) Graphic Design Production Graphic Design Support | AS C C | DTC DTC DTC | HS Diploma/GED HS Diploma/GED HS Diploma/GED | CPT CPT CPT | 160 |
| Health Information Management * | AS | North | HS Diploma/GED | CPT | 162 |
| Health Services Management * | AAS AS | Central | HS Diploma/GED | CPT | 163 |
| Hospitality and Tourism Management | AAS AS | Central | HS Diploma/GED | CPT | 164 |
| Industrial Management Technology | AAS AS | Miramar | HS Diploma/GED | CPT | 165 |
| Internet Services Technology CIW Master Designer CIW Designer CIW Web Developer | AAS AS C C | Central | HS Diploma/GED | CPT | 166 |
| Legal Assisting –See Paralegal Studies | | | | | |
| Marketing Management/Technology Marketing Management Marketing Mgmt. - E-Commerce Marketing Operations | AAS AS AAS C C | North, Central, South North, Central, South Central | HS Diploma/GED HS Diploma/GED HS Diploma/GED | CPT CPT CPT | 170 |
| Massage Therapy * | C | North | HS Diploma/GED | TABE | 172 |
| Medical Assisting * | PSAV Certificate | Central | HS Diploma/GED | TABE | 173 |
| Network Administrator Microsoft MCSE Cisco CCNP Information Technology Mgt. - CCNA Info Technology Tech Novell CNA Info Technology Mgmt.-Microsoft MCSA | AAS AS AAS AS C C C | Central Central Central Central Central | HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED HS Diploma/GED | CPT CPT CPT CPT CPT | 175 |
| Nuclear Medicine | AS C | CHSE North | HS Diploma/GED | CPT | 178 |

AAS-ASSOCIATE IN APPLIED SCIENCE DEGREE AS-ASSOCIATE IN SCIENCE DEGREE ATC-ADVANCED TECHNICAL CERTIFICATE

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|--|------------------------|---------------------|----------------------------|------|-----------------|
| Nursing * | | | | | 180 |
| LPN-RN Transition Nursing * | AS | Central North South | HS Diploma/GED | CPT | |
| Nursing RN * | AS | Central North South | HS Diploma/GED | CPT | |
| Nursing RN On-Li | AS | Central | HS Diploma/GED | CPT | |
| Basic Perioperative Nursing | ATC | Central North South | Associate Degree | None | |
| Coronary Care Nursing | ATC | Central North South | Associate Degree | None | |
| Critical Care Nursing | ATC | Central North South | Associate Degree | None | |
| Graduate Nurse Intern | ATC | Central North South | Associate Degree | None | |
| Home Health Nursing | ATC | Central North South | Associate Degree | None | |
| Multi-Skill Health Care Professional | ATC | Central North South | Associate Degree | None | |
| Office Administration/Office Careers | | | | | 183 |
| Administrative Assistant | PSAV Certificate | South | None Needed | TABE | |
| Legal Office | AAS | North South | HS Diploma/GED | CPT | |
| Legal Administrative Specialist | PSAV Certificate | | None Needed | | |
| Medical Office | AAS | North South | HS Diploma/GED | CPT | |
| Medical Office Management | C | North South | HS Diploma/GED | CPT | |
| Medical Administrative Specialist | PSAV Certificate | South | None Needed | TABE | |
| Office Management | AAS C | North South | HS Diploma/GED | CPT | |
| Office Software Applications | AAS C | North South | HS Diploma/GED | CPT | |
| Office Specialist | C | North South | HS Diploma/GED | CPT | |
| Office Support | C | North South | HS Diploma/GED | CPT | |
| Paralegal Studies (Legal Assisting) | AS | South North | HS Diploma/GED | CPT | 169 |
| Physical Therapist Assistant | AS | CHSE North | HS Diploma/GED | CPT | 189 |
| Manual Techniques for the PTA * | ATC | CHSE North | Associate Degree | CPT | |
| Radiation Therapy Technology | AS | CHSE North | HS Diploma/GED | CPT | 191 |
| Radiation Therapy Specialist | C | CHSE North | Associate Degree | CPT | |
| Radiography * | AAS | CHSE Central | HS Diploma/GED | CPT | 193 |
| Recreation Technology | AS | Central | HS Diploma/GED | CPT | 195 |
| Respiratory Care * | AS | CHSE North | HS Diploma/GED | CPT | 196 |
| Restaurant Management | AAS | Central | HS Diploma/GED | CPT | 198 |
| Telecommunications Engineering Technology | AAS | North | HS Diploma/GED | CPT | 199 |
| Travel & Tourism Industry Management | AAS AS | Central | HS Diploma/GED | CPT | 200 |
| Vision Care Technology | | | | | 201 |
| Ophthalmic Technology * | AAS AS | CHSE North | HS Diploma/GED | CPT | |
| Opticianry * | AAS AS | CHSE North | HS Diploma/GED | CPT | |

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ACCOUNTING TECHNOLOGY PROGRAMS
Accounting Applications Technical Certificate Major Code 62140
Accounting Technology- Associate in Applied Science Major Code A001
Accounting Technology Associate in Science Major Code 2100

Accounting Applications Technical Certificate Major Code 62140

Program Description

The Accounting Applications Technology Certificate, offered at all BCC locations, is designed to qualify successful completers for jobs as accounting clerks or positions in corporate training departments.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| ACG 2001 | Principles of Accounting I | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| GEB 1011 | Introduction to Business | 3 |
| MTB 1103 | Business Mathematics | 3 |
| Total Term Semester Hours | | 12 |

First Year Term II

| | | |
|----------------------------------|---------------------------------|-----------|
| *ACG 2011 | Principles of Accounting II | 3 |
| TAX 2000 | Income Tax I | 3 |
| BUL 2241 | Business Law I | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| Total Term Semester Hours | | 12 |

First Year Term III

| | | |
|---|-----------------------|-----------|
| *ACG 2071 | Managerial Accounting | 3 |
| Total Term Semester Hours | | 3 |
| Total Certificate Semester Hours | | 27 |

*Requires a pre-requisite. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

Accounting Technology Associate in Applied Science Major Code A001

Program Description

The Associate in Applied 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. Graduates may obtain employment in accounting, banking, real estate, and general business management.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| ACG 2001 | Principles of Accounting I | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| GEB 1011 | Introduction to Business | 3 |
| MTB 1103 | Business Mathematics | 3 |
| **Business Elective | | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---------------------------------|-----------|
| *ACG 2011 | Principles of Accounting II | 3 |
| TAX 2000 | Income Tax I | 3 |
| BUL 2241 | Business Law I | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| Total Term Semester Hours | | 12 |

First Year Term III

| | | |
|----------------------------------|-----------------------|----------|
| *ACG 2071 | Managerial Accounting | 3 |
| **Business Elective | | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|---------------------------|-----------|
| *ACG 2100 | Intermediate Accounting I | 3 |
| *TAX 2010 | Income Tax II | 3 |
| *ENC 1101 | Composition I | 3 |
| ECO 2013 | Principles of Economics I | 3 |
| BUL 2242 | Business Law II | 3 |
| GEB 2430 | Business Ethics | 1 |
| Total Term Semester Hours | | 16 |

Second Year Term II

| | | |
|-------------------------------------|----------------------------|-----------|
| *ACG 2110 | Intermediate Accounting II | 3 |
| *Mathematics or Science Elective | | 3 |
| **Business Elective | | 3 |
| Humanities/Fine Arts Elective | | 3 |
| SPC 1600 | Public Speaking | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 64 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.

**Business Electives are satisfied by taking any three (3) of the following courses: ECO 2023, FIN 1100, GEB 2112, MAN 2021, MAN 2064, MAR 1011, MNA 1161, MNA 2345, REE 1040.

It is strongly recommended that students see an academic advisor or counselor every term.

Accounting Technology Associate in Science Major Code 2100
Program Description

The Associate in 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. Some of the careers, to which this sequence may lead, are accounting, banking, real estate, and general management.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| ACG 2001 | Principles of Accounting I | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| GEB 1011 | Introduction to Business | 3 |
| MTB 1103 | Business Math | 3 |
| **Elective | Business | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|----------------------------|-----------|
| *ACG 2110 | Intermediate Accounting II | 3 |
| *#Elective | Mathematics or Science | 3 |
| **Elective | Business | 3 |
| Elective | Humanities/Fine Arts | 3 |
| SPC 1600 | Public Speaking | 3 |
| Total Term Semester Hours | | 15 |
| Total Program semester Hours | | 64 |

First Year Term II

| | | |
|----------------------------------|---------------------------------|-----------|
| *ACG 2011 | Principles of Accounting II | 3 |
| TAX 2000 | Income Tax I | 3 |
| BUL 2241 | Business Law | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| Total Term Semester Hours | | 12 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.

**Business Electives are satisfied by taking any two of the following courses: ECO 2023, FIN 1100, GEB 2112, MAN 2021, MAN 2604, MAR 1011, MNA 1161, REE 1040.

First Year Term III

| | | |
|----------------------------------|-----------------------|----------|
| *ACG 2071 | Managerial Accounting | 3 |
| **Elective | Business | 3 |
| Total Term Semester Hours | | 6 |

#Must be college-level and transferable.

It is strongly recommended that students see an academic advisor or counselor every term.

Second Year Term I

| | | |
|----------------------------------|---------------------------|-----------|
| *ACG 2100 | Intermediate Accounting I | 3 |
| *TAX 2010 | Income Tax II | 3 |
| *ENC 1101 | Composition I | 3 |
| ECO 2013 | Principles of Economics I | 3 |
| BUL 2242 | Business Law II | 3 |
| GEB 2430 | Business Ethics | 1 |
| Total Term Semester Hours | | 16 |

ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY
Interior Design Advanced Technical Certificate Major Code 4281

Program Description

The Advanced Technical certificate in Interior Design, offered at the Higher Education Complex (Willis Holcombe Center), is designed as a specialized extension to the Associate in Science degree in Architectural Design and Construction Technology program. Graduates from this program will gain supplemental skills in areas of architecture, construction, and interior design. Students will gain an understanding of the interdisciplinary nature of these fields. Coursework focuses on understanding the technical and aesthetic principles essential to the planning of interior spaces, color, and design theory, selection and specification of interior materials and finishes, drafting and interdisciplinary communication standards, business practices and marketing. This program is aimed at architects and those ancillary fields in architecture, construction, and interior design.

| | | | |
|-----------------------------------|---------------------------------------|-----------|---|
| IND 1022 | Principles of interior Design | 3 | Additional courses strongly recommended: SPC 2300 Introduction to Interpersonal Communication INP 1301 Human Relations in Business and Industry |
| IND 1607C | Interior Design Construction Document | 3 | |
| IND 2210C | Interior Design Studio | 3 | |
| IND 2230C | Design Development | 3 | |
| IND 2501 | Interior Design Industry Practices | 2 | |
| IND 2945 | Internship in Design Industry | 1 | |
| Total Semester Hours | | 15 | |

AUTOMOTIVE SERVICE MANAGEMENT TECHNOLOGY
Associate in Applied Science Technician Service Major Code A004
Associate in Science Technician Service Major Code 21681

Program Description

This Automotive Service Management Technology program, offered at South Campus, is designed both to prepare entry-level automotive technicians and to provide academic background for advancement to management positions in the automotive service industry.

Corporate Programs: Automotive Technology Programs sponsored by Automobile Manufacturers are limited enrollment programs and require an internship at a dealership.

Master Technician Program: ASE (National Institute for Automotive Service Excellence) Certified Automotive Technicians may be eligible for up to 41 college credits based on life long learning and work experience.

For additional information about the programs listed above, contact the BCC Automotive Technology Program Manager at (954) 201-8886 or email autotech@broward.edu.

Academic Core Courses Associate in Applied Science Options

| | | |
|------------------------------------|---------------------------------------|-----------|
| *ENC 1101 | English Composition | 3 |
| Elective | Humanities (Area 2) | 3 |
| Elective | Social/Behavioral Sciences (Area 3) | 3 |
| *MTB 1310 | Applied Mathematics | 3 |
| SPC 1024 | Introduction to Speech Communication | or |
| SPC 1600 | Introduction to Public Speaking | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| Cooperative Education (Internship) | | 6 |
| Total Academic Core Credits | | 24 |

*Requires a pre- or co-requisite or proper score in placement test. See course description in this catalog or online.

#Credit is awarded for completion of a NATEF accredited Automotive Service Technology Program at Broward or Miami-Dade County Public Schools Technical Centers. Contact the program manager for Additional details.

Technical Course Requirements Technician Service Option Major Code A004

| | | |
|---|---------------------------------------|-----------|
| #AER 1010C | Introduction to Automotive Technology | 3 |
| #AER 1111C | Engine Repair | 3 |
| #AER 1300C | Electrical Systems | 4 |
| #AER 1310C | Electronics | 3 |
| #AER 2230C | Manual Drive Train and Axles | 3 |
| #AER 2251C | Automatic transmissions | 3 |
| #AER 2112C | Advanced Engine Performance | 3 |
| #AER 2410C | Brake Systems | 4 |
| #AER 2520C | Engine Performance | 3 |
| #AER 2171C | Heating and Air Conditioning Theory | 3 |
| #AER 2450C | Steering and Suspension | 3 |
| Total Technical Service Credits | | 35 |
| Total Technical Service Degree Credits | | 68 |

NOTE: Students seeking an Associate in Science Degree for the purpose of transferring into a state University shall substitute MTB 1310, Applied Mathematics with a college level transferable math course.

It is strongly recommended that students see an academic advisor or counselor every term.

AUTOMOTIVE TECHNOLOGY, DEALER SPECIFIC
Associate in Applied Science Automotive Technology, Dealer Specific Major Code A037
Associate in Science Automotive Technology, Dealer Specific Major Code 2197

Program Description

The Automotive Technology Dealer Specific program, offered at the South Campus Miramar Center, is designed both to prepare entry-level dealership automotive technicians and to provide academic background for advancement to management positions in the automotive service industry.

CORPORATE PROGRAMS:

Corporate Programs. Automotive Technology Programs sponsored by Automobile Manufacturers are limited enrollment programs and require an internship at a dealership.

- The General Motors Automobile Service Educational Program (GM-ASEP) is taught at the BCC Miramar Center (954) 201 – 8601.
- The Ford Automotive Student Service Educational Program (Ford ASSET) and the Daimler Chrysler College Automotive Program (Chrysler CAP) are taught in conjunction with Sheridan Technical Center (754) 321-5400.
- The Toyota Technical Education Network (T-TEN) program courses are taught in conjunction with Atlantic Technical Center (754) 321-5188.
- The Honda Professional Automotive Career Training Program (Honda PACT) program courses are taught in conjunction with Robert Morgan Technical Education Center (305) 253-9920.

For additional information about the programs listed above, contact the BCC Automotive Technology Program Manager at (954) 201-8886 or email autotech@broward.edu

Academic Core Courses Associate in Applied Science Options

| | | |
|-----------|---------------------------------------|-----------|
| *ENC 1101 | English Composition | 3 |
| Elective | Humanities (Area 2) | 3 |
| Elective | Social/Behavioral Sciences (Area 3) | 3 |
| *MTB 1310 | Applied Mathematics | 3 |
| SPC 1024 | Introduction to Speech Communication | or |
| SPC 1600 | Introduction to Public Speaking | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| | Internship | 12 |
| | Total Academic Core Credits | 30 |

Technical Course Requirements Technician Service Option Major Code A004

| | | |
|-----------|---------------------------------------|---|
| AER 1010C | Introduction to Automotive Technology | 4 |
| AER 1111C | Engine Repair | 4 |
| AER 1300C | Electrical Systems | 4 |
| AER 1310C | Electronics | 4 |
| AER 2230C | Manual Drive Train and Axles | 4 |
| AER 2251C | Automatic transmissions | 4 |
| AER 2112C | Advanced Engine Performance | 4 |

| | | |
|-----------|---|-----------|
| AER 2410C | Brake Systems | 4 |
| AER 2520C | Engine Performance | 4 |
| AER 2171C | Heating and Air Conditioning Theory | 4 |
| AER 2450C | Steering and Suspension | 4 |
| | Total Technical Service Credits | 44 |
| | Total Technical Service Degree Credits | 74 |

*Requires a pre- or co-requisite or proper score in placement test. See course description in this catalog or on-line for additional information.

NOTE: Students seeking an Associate in Science degree for the purpose of transferring into a state university shall substitute MTB 1310, Applied Mathematics with a college level transferable math course.

It is strongly recommended that students see an academic advisor or counselor every term.

AVIATION INSTITUTE
Aviation Operations Associate in Science Major Code 2105
Airport Operations Management Associate in Science Major Code 21051
Professional Pilot Technology Associate in Science Major Code 2107
Aircraft Airframe Mechanics Vocational Certificate Major Code 5272
Aircraft Power Plant Mechanics Vocational Certificate Major Code 5273
Aviation Maintenance Management Associate in Applied Science Major Code A005
Avionics Vocational Certificate Major Code 5299

Program Description

The Professional Pilot Program, offered at Judson A. Samuels South Campus, provides the flight and ground school requirement for the private and commercial pilot certificates with instrument rating, as well as an Associate in Science degree. The flight instructor certificate and multi-engine ratings are optional. The ground and flight schools are fully approved by the FAA and the College is certified as an FAA Air Agency under Federal Aviation Regulations Part 141. BCC's Aviation Institute has created a very unique partnership with Delta Connection Academy, a wholly owned subsidiary of Delta Air Lines. Through this relationship, the flight portion of the program is offered by Delta Connection Academy under their FAA 141 approved airline-designed curriculum. BCC graduates who have chosen to also complete the Flight Instructor Certificates and Multi-Engine courses will be eligible to interview to become a Flight Instructor in the program. To date, more than 85% of those who complete the program have been hired. Once a BCC Flight Instructor earns 1000 hours total flight time including 100 multi-engine and has instructed in the BCC program for at least 800 hours dual, he or she will complete an advanced Bridge Course at Delta Connection Academy in Orlando, Florida. Upon completion of the Bridge Course, the BCC Flight Instructor will be guaranteed a job interview with a Delta Connection Carrier or American Eagle. To date, the Academy has placed 97% of their Flight Instructor graduates as an Airline First Officer. Student's who wish to obtain a bachelor's degree can transfer BCC's credits to a four-year institution.

Professional Pilot Technology: Prepares students for FAA certification as private pilot, commercial pilot with instrument rating, and flight instructor. BCC Flight Instructor graduates are guaranteed a job interview for an airline pilot position with a Delta Connection Carrier or American Eagle. It is strongly recommended that students see the Admissions Coordinator at the Aviation Institute for additional information.

Aviation Operations Associate in Science Major Code 2105
Airport Operations Management Associate in Science Major Code 21051

Program Description

The Aviation Operations and Airport Operations Management Associate in Science Degrees, offered at the Judson A. Samuels South Campus, are designed for students who would like to work in the aviation industry, but not primarily as pilots or technicians. Selected aviation knowledge is provided together with general business management and specialized aviation management courses.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| ATT 1100 | Aeronautical Science | 3 |
| ASC 1100 | Navigational Science I | 3 |
| ASC 1010 | History of Aviation | 3 |
| *ENC 1101 | Composition I | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---|-----------|
| *ASC 1210 | Meteorology | 3 |
| AVM 2301 | General Aviation Marketing and Management | 3 |
| *ENC 1102 | Composition II or | |
| *ENC 2210 | Technical Report Writing | 3 |
| POS 2041 | National Government | 3 |
| * ⁽¹⁾ MAC 1105 | College Algebra | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|----------------------|----------|
| AVM 2410 | Airport Management | 3 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|----------------------------|-----------|
| AVM 2510 | Airline Management | 3 |
| ASC 2870 | Aviation Safety | 3 |
| ⁽²⁾ ECO 2013 | Principles of Economics I | 3 |
| ⁽²⁾ ACG 2001 | Principles of Accounting I | 3 |
| *STA 2023 | Elementary Statistics | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|-------------------------------|-----------|
| SPC 1024 | Intro to Speech Communication | 3 |
| ⁽²⁾ *ECO 2023 | Principles of Economics II | 3 |
| ⁽²⁾ *ACG 2011 | Principles of Accounting II | 3 |
| ⁽³⁾ *PHY 1001 | Applied Physics | 3 |
| ⁽³⁾ *PHY 1001L | Applied Physics Lab | 1 |
| Total Term Semester Hours | | 13 |
| Total Program Semester Hours | | 64 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

⁽¹⁾Mat 1033, Intermediate Algebra, may be taken by students who do not plan to transfer to an upper level college or university.

⁽²⁾Student interested in flight operations may substitute the following courses for those marked with ⁽²⁾: ASC 2110, Navigational Science II; ATT 2120, Instrument Flight Theory, ATT 2110, Commercial Flight Theory, or a flight course.

⁽³⁾PHY 2053 General Physics I and PHY 2053L General Physics I Lab may be substituted by students who have the appropriate math pre-requisites. Some universities require General Physics. It is strongly recommended that students see an academic advisor or counselor every term.

Airport Operations Management Associate in Science Major Code 21051

| | | | |
|--|---|----------------------------------|----------|
| | | Total Term Semester Hours | 4 |
| Option #2 Airport Operations Management | | | |
| First Year Term I | | | |
| ATT 1100 | Aeronautical Science | 3 | |
| ASC 1010 | History of Aviation | 3 | |
| *ENC 1101 | Composition I | 3 | |
| Elective | Humanities/Fine Arts | 3 | |
| CGS 1100 | Introduction to Computer Applications | 3 | |
| Total Term Semester Hours | | 15 | |
| Second Year Term I | | | |
| AVM 2510 | Airline Management | 3 | |
| ACG 2001 | Principles of Accounting I | 3 | |
| ASC 2870 | Aviation Safety | 3 | |
| SPC 1024 | Introduction to Speech | 3 | |
| Elective | Aviation | 3 | |
| Total Term Semester Hours | | 15 | |
| First Year Term II | | | |
| AVM 2301 | General Aviation Marketing and Management | 3 | |
| BUL 2241 | Business Law I | 3 | |
| OST 2335 | Communications in the Workforce or | | |
| *ENC 2210 | Professional and Technical Writing | 3 | |
| AVM 2410 | Airport Management | 3 | |
| AVM 1440 | Airport/Airline Security | 3 | |
| Total Term Semester Hours | | 15 | |
| Second Year Term II | | | |
| *AVM 2941 | A/P Ops Internship II | 3 | |
| ECO 2013 | Principles of Economics I or | | |
| INP 1301 | Human Relations in Business and Industry | 3 | |
| ASC 2320 | Aviation Law and Regulations | 3 | |
| Elective | Math/Natural Science | 3 | |
| AVM 2450 | Airport Planning and Design | 3 | |
| Total Term Semester Hours | | 15 | |
| Total Program Semester Hours | | 64 | |
| First Year Term III | | | |
| *AVM 1940 | A/P Ops Internship I | 3 | |
| GEB 2430 | Business Ethics | 1 | |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

Avionics Vocational Certificate (PSAV) Major Code 5299

Program Description

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 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.

These courses are offered in 360 hour blocks and require an interview with the Aviation Admissions Coordinator or the Aviation Maintenance Program Manager prior to enrollment.

There are three optional entry points into this program;

1. Completion of Airframe and Powerplant training or Certification.
2. Electronics training to include:
 - EET 1015C DC Circuits
 - CET 1114C Digital Techniques
 - MTB 1325 Engineering Tech. Mathematics I
 - EET 1025C AC circuits
 - EET 1141C Linear Techniques I
 - MBT 1326 Engineering Tech. Mathematics II
 - CET 1123C Microprocessors I
3. Previous Industry experience: To be evaluated by the Aviation Maintenance Program Manager.

NOTE: Total clock hours awarded for either of the three entry points is 1400 clock hours toward the total requirements of the 2120 clock hour PSAV certificate in Avionics.

| | | |
|--------------------------|-----------------------|------------|
| Block I | | |
| AVS0090C | Avionics Fundamentals | 180 |
| AVS0091C | Avionics Installer | 180 |
| Total Clock Hours | | 360 |

| | | |
|----------------------------|----------------------------------|------------|
| Block II | | |
| AVS0092C | Avionics Communication Systems | 180 |
| AVS0093C | Navigation/Support Systems Items | 180 |
| Total Clock Hours | | 360 |
| Program Clock Hours | | 720 |

Professional Pilot Technology Associate in Science Major Code 2107

Program Description

The Professional Pilot program, offered at Judson A. Samuels South Campus, provides the flight and ground school requirement for the private and commercial pilot certificates with instrument rating, as well as an Associate in Science degree. The flight instructor certificate and multi-engine ratings are optional. The ground and flight schools are fully approved by the FAA and the College is certified as an FAA Air Agency under Federal Aviation Regulations Part 141. BCC's Aviation Institute works closely with industry to place our graduates. Many students start their aviation careers while attending Broward Community College. Recent graduates are working as flight instructors, corporate pilots and airline pilots. Most airlines hire pilots with college degrees. BCC's Professional Pilot degree is highly regarded in the industry. Students who wish to obtain a bachelor's degree can transfer BCC's credits to a four-year institution.

First Year Term I

| | | |
|----------------------------------|----------------------|-----------|
| ATT 1100 | Aeronautical Science | 3 |
| ASC 1100 | Navigational Science | 3 |
| *ATF 1100 | Primary Flight | 3 |
| ASC 1010 | History of Aviation | 3 |
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---------------------------|-----------|
| *ASC 1210 | Meteorology | 3 |
| *ASC 2110 | Navigational Science II | 3 |
| *ATT 2120 | Instrument Flight Theory | 3 |
| *ATF 2200 | Commercial Flight I | 3 |
| *ATF 2600 | Flight Simulator Training | 1 |
| Total Term Semester Hours | | 13 |

First Year Term III

| | | |
|----------------------------------|-----------------------------|----------|
| Elective | Humanities/Fine Arts | 3 |
| Elective | Social/Behavior Sciences or | |
| +ECO 2013 | Principles of Economics | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|---|-----------|
| *ASC 1610 | Aircraft Engines, Structures, and Systems | 3 |
| *ATF 2210 | Commercial Flight II | 3 |
| *ATT 2110 | Commercial Flight Theory | 3 |
| *MAC 1105 | College Algebra or | |
| (1)*MAC 2233 | Business Calculus | 3 |
| CGS 1100 | Introduction to Computers Applications | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|--------------|-----------------------|---|
| *ATF 2300 | Commercial Flight III | 3 |
| (2)Elective | Aviation | 2 |
| *ASC 2870 | Aviation Safety | 3 |
| (3)*PHY 1001 | Applied Physics | 3 |

| | | |
|-------------------------------------|------------------------|-----------|
| (3)*PHY 1001L | Applied Physics Lab | 1 |
| SPC 1024 | Introduction to Speech | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 64 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

+ECO 2013 and MAC 2233 are recommended for students transferring to Florida Atlantic University (FAU), Bachelor of Business Administration, major in Management (BBA). Students desiring to transfer to the BBA program may complete the following courses at BCC: ENC 1102, Composition II; STA 2023, Introduction to Statistics, ACG 2001, Accounting I; ACG 2011, Accounting II, and ECO, Economics II.

(1)MAT 1033, Intermediate Algebra, may be substituted if the student does not plan to transfer to an upper level college or university.

(2)Students may select ATF 2500, Flight Instructor Training; or ATF 2400, Multi-Engine, with ATF 2630, Multi-Engine Simulator or ATF 2660, Turboprop Simulator. For other options contact the Aviation Department Head.

(3)PHY 2053, General Physics I and PHY 2053L, General Physics I Lab may be substituted by students with the appropriate math pre-requisites. Some universities require General Physics.

Credit for Experiential Learning: Students who possess an FAA certificate or rating obtained before enrolling in the Professional Pilot program should contact the flight training manager to request credit for certain courses.

It is strongly recommended that students see an academic advisor or counselor every term.

FAA Airframe and Power Plant Mechanic Vocational Certificate Major Code 5272

Program Description

The Federal Aviation Administration Mechanic Certificate program is designed to prepare students for immediate employment in commercial or general aviation maintenance. The program has two options. One option is for students desiring to work on airframes, and the other option is for students desiring to work on power plants. The completion of either option leads to the Federal Aviation Administration Mechanic Certificate in either an airframe and/or a Power Plant FAA license. The program of study complies with FAR Part 147 and the program is FAA certified.

Students desiring an Associate in Applied Science Degree may convert these courses into college credit and continue to take general education courses. In addition, these courses will also meet the needs of those students who already have a two or four-year degree and are seeking new employability skills. These courses are offered in 400 hour blocks and require an interview with the Aviation Admissions Coordinator or the Aviation Maintenance Program Manager prior to enrollment.

Aircraft Airframe Mechanics Vocational Certificate Major Code 5272

| | | | | | |
|--------------------------|---------------------------------|------------|---------------------------------|----------------------------------|--------------|
| BLOCK 1 | | AMT 0140 | Welding | 40 | |
| AMT 0070 | Applied Mathematics | 20 | AMT 0155 | Assembly and Rigging | 65 |
| AMT 0090 | Basic Physics | 20 | AMT 0200 | Landing Gear Systems | 85 |
| AMT 0010 | Aircraft Drawings | 26 | Total Clock Hours | | 400 |
| AMT 0050 | Ground Operations and Servicing | 30 | BLOCK 3 | | |
| AMT 0040 | Materials and Processes | 80 | AMT 0160 | Airframe Inspection | 20 |
| AMT 0030 | Fluid Lines and Fittings | 25 | AMT 0210 | Hydraulic Pneumatics Systems | 75 |
| AMT 0081 | FARs, Forms, Privilege | 36 | AMT 0220 | Cabin Atmosphere Control Systems | 50 |
| AMT 0020 | Weight and Balance | 40 | AMT 0230 | Aircraft Instrument Systems | 25 |
| AMT 0060 | Corrosion Control | 38 | AMT 0240 | Comm/Nav. Systems | 30 |
| AMT 0001 | Basic Electricity | 85 | AMT 0250 | Aircraft Fuel Systems | 40 |
| Total Clock Hours | | 400 | AMT 0260 | Aircraft Electrical Systems | 100 |
| BLOCK 2 | | | AMT 0270 | Position and Warning | 30 |
| AMT 0130 | Sheet Metal and Non- Metallic | 157 | AMT 0285 | Ice, Rain and Fire Protection | 30 |
| AMT 0110 | Wood Structures | 11 | Total Clock Hours | | 400 |
| AMT 0115 | Aircraft Covering | 12 | Total Program Clock Hour | | 1,200 |
| AMT 0120 | Aircraft Finishes | 30 | | | |

Aircraft Power Plant Mechanics Vocational Certificate Major Code 5273

| | | | | | |
|--------------------------|---------------------------------|----------------|----------------------------------|------------------------------------|--------------|
| BLOCK 1 | | BLOCK 2 | | | |
| AMT 0070 | Applied Mathematics | 20 | AMT 0300 | Reciprocating Engines | 191 |
| AMT 0090 | Basic Physics | 20 | AMT 0310 | Turbine Engines | 110 |
| AMT 0010 | Aircraft Drawings | 26 | AMT 0400 | Engine Instrument Sys. | 25 |
| AMT 0050 | Ground Operations and Servicing | 30 | | | |
| AMT 0040 | Materials and Processes | 80 | AMT 0420 | Engine Electrical and APUs | 59 |
| AMT 0030 | Fluid Lines and Fittings | 25 | AMT 0320 | Engine Inspection | 15 |
| AMT 0081 | FARs, Forms, Privileges | 36 | Total Clock Hours | | 400 |
| AMT 0020 | Weight and Balance | 40 | BLOCK 3 | | |
| AMT 0060 | Corrosion Control | 38 | AMT 0460 | Induction Systems | 25 |
| AMT 0001 | Basic Electricity | 85 | AMT 0450 | Engine Fuel Systems | 25 |
| Total Clock Hours | | 400 | AMT 0451 | Fuel Metering Systems | 60 |
| | | | AMT 0440 | Ignition Systems | 85 |
| | | | AMT 0435 | Lubrication Systems | 70 |
| | | | AMT 0475 | Engine Cooling and Exhaust Systems | 30 |
| | | | AMT 0410 | Engine Fire Protection | 15 |
| | | | AMT 0490 | Propellers and Unducted Fans | 90 |
| | | | Total Clock Hour | | 400 |
| | | | Total Program Clock Hours | | 1,200 |

Aviation Maintenance Management Associate in Applied Science Major Code A005

Program Description

The Aviation Maintenance Management Program leads to the Associate in Applied Science degree and the Federal Aviation Administration Airframe and Power Plant Mechanic Certificates. 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 in Applied Science degree in Aviation Maintenance Management must complete the general requirements for both the Airframe Mechanics and Power Plant Mechanics diplomas or possess a valid FAA A&P certificate, as well as 23 hours of additional required college credits.

First Year Term I (General)

| | |
|---|---|
| *AMT 1001 Basic Electricity | 2 |
| *AMT 1010 Aircraft Drawings | 1 |
| *AMT 1020 Weight & Balance | 1 |
| *AMT 1030 Fluid Lines & Fittings | 1 |
| *AMT 1040 Material Processes | 2 |
| *AMT 1050 Ground Operations and Servicing | 1 |
| *AMT 1060 Cleaning and Corrosion Control | 1 |
| *AMT 1070 Applied Mathematics | 1 |
| *AMT 1081 FAR's, Forms and Privileges. | 1 |
| *AMT 1090 Basic Physics | 1 |

Total Term Semester Hours 12

First Year Term II (Airframe I)

| | |
|------------------------------------|---|
| *AMT 1110 Aircraft Wood Structures | 1 |
| *AMT 1115 Aircraft Covering | 1 |
| *AMT 1120 Aircraft Finishes | 1 |
| *AMT 1130 Sheet Metal Structures | 4 |
| *AMT 1140 Aircraft Welding | 1 |
| *AMT 1155 Assembly and Rigging | 2 |
| *AMT 1200 Landing Gear Systems | 2 |

Total Term Semester Hours 12

Term III (Airframe II)

| | |
|---|---|
| *AMT 1160 Airframe Inspection | 1 |
| *AMT 1210 Hydraulic and Pneumatic System | 2 |
| *AMT 1220 Cabin Atmosphere Control Systems | 1 |
| *AMT 1230 Aircraft Instrument Systems | 1 |
| *AMT 1240 Communications and Navigation Systems | 1 |
| *AMT 1250 Aircraft Fuel Systems | 1 |
| *AMT 1260 Aircraft Electrical Systems | 3 |
| *AMT 1270 Position and Warning Systems | 1 |
| *AMT 1285 Ice/Rain/Fire Protection | 1 |

Total Term Semester Hours 12

Second Year Term I (Power Plant I)

| | |
|-------------------------------------|---|
| *AMT 2300 Reciprocating Engines | 6 |
| *AMT 2310 Turbine Engines | 2 |
| *AMT 2320 Engine Inspection | 1 |
| *AMT 2400 Engine Instrument Systems | 1 |
| *AMT 2420 Engine Electrical Systems | 2 |

Total Term Semester Hours 12

Term II (Power Plant II)

| | |
|--|---|
| *AMT 2410 Engine Fire Protection Systems | 1 |
| *AMT 2435 Lubrication Systems | 2 |
| *AMT 2440 Ignition Systems | 2 |
| *AMT 2450 Engine Fuel Systems | 1 |
| *AMT 2451 Fuel Metering Systems | 2 |
| *AMT 2460 Induction Systems | 1 |
| *AMT 2475 Engine Cooling and Exhaust Systems | 1 |
| *AMT 2490 Propellers and Unducted Fans | 2 |

Total Term Semester Hours 12

Total Airframe & Power Plant Credits 60

The following additional academic courses are required for students desiring the Associate in Applied Science degree in Aviation Maintenance Management:

| | |
|-------------------------------------|---|
| *ENC 1101 English Composition | 3 |
| CGS 1061C Computer Concepts | 1 |
| ATT 1100 Aeronautical Science or | |
| ASC 1010 History of Aviation | 3 |
| MNA 2345 Principles of Supervision | 3 |
| SPC 1024 Introduction to Speech | 3 |
| Elective Humanities/Fine Arts | 3 |
| Elective Social/Behavioral Sciences | 3 |
| *MTB 1310 Applied Mathematics or | |
| *MAT 1033 Intermediate Algebra | 3 |
| HSC 1101C Healthful Living | 1 |

Total Semester Credits 23

Total Program Semester Hours 83

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

Note: Students may enter the program during any term but must register for the AMT certificate courses as a block during a particular term. Enrollment for individual AMT courses will be permitted with special permission from the Program Manager.

BIOMEDICAL ENGINEERING TECHNOLOGY
Associate in Applied Science Major Code A006
Advanced Technical Certificate Major Code 4268

Biomedical Engineering Technology Associate Applied Science Degree Major Code A006

Program Description

The Associate in Applied Science degree in Biomedical Engineering Technology program, offered at North Campus, prepares students to become medical equipment technicians. Biomedical Engineering technicians are professionals responsible for installing, calibrating, maintaining and repairing biomedical equipment. Graduates also work in sales and supervision within the biomedical engineering field.

First Year Term I

| | |
|--|-----------|
| *EET 1015C DC Circuits | 5 |
| CET 1114C Digital Techniques | 5 |
| *MTB 1325 Engineering Tech Mathematics I | 4 |
| Total Term Semester Hours | 14 |

First Year Term II

| | |
|---|-----------|
| *EET 1025C AC Circuits | 5 |
| *EET 1141C Linear Techniques I | 5 |
| *MTB 1326 Engineering Tech Mathematics II | 4 |
| Total Term Semester Hours | 14 |

First Year Term III, Session II

| | |
|--|----------|
| *CET 1317C Technical Computer Applications | 3 |
| *CET1123C Microprocessors I | 4 |
| Total Term Semester Hours | 7 |

Second Year Term I

| | |
|---|-----------|
| SPC 1024 Intro to Speech Communication or | |
| SPC 1600 Public Speaking | 3 |
| *EET 2142C Linear Techniques II | 4 |
| *HSC 1531 Medical Terminology or | |
| *MEA 1233 Anatomy and Physiology | 3 |
| *ENC 1101 Composition I | 3 |
| Total Term Semester Hours | 13 |

Second Year Term II

| | |
|---------------------------------------|-----------|
| *EST 2436C Biomedical Instrumentation | 3 |
| Elective Social/Behavioral Science | 3 |
| *EST 2940 Biomedical Engineering | |
| Technology Internship | 4 |
| Elective Humanities/Fine Arts | 3 |
| Total Term Semester Hours | 13 |
| Total Program Semester Hours | 61 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

Technical courses should be taken in the sequence and term suggested unless approved by the Department Head.

This program of study applies to students who enroll in Broward Community College for the first time during the 2005-06 academic year. Other students should refer to their applicable catalog.

It is strongly recommended that students see an academic advisor or counselor every term

Biomedical Engineering Technology Advanced Technical Certificate Major Code 4268

Program Description

The Biomedical Engineering Technology Advanced Technical Certificate courses are offered to Associate in Applied Science Degree graduates of the Biomedical Engineering Technology Program. The Advanced Certificate will be awarded upon completion of the following 20 credit hours:

| | |
|--|-----------|
| *EST 2438C Adv. Biomedical Instrumentation | 3 |
| CGS 2263 Local Area Networking | 3 |
| CDA 1403C PC Support-Operating Systems | 3 |
| *CDA 1302C PC Support-Hardware | 3 |
| *CET 2131C Microprocessors II | 4 |
| *EET 2326C Electronic Communications | 4 |
| Total Semester Hours | 20 |

BUILDING CONSTRUCTION TECHNOLOGY
Associate in Science Major Code 2184

Program Description

The Building Construction Technology Program, offered at the Downtown Higher Education Complex (Willis Holcombe Center), prepares students for employment in the construction industry as assistant: building inspectors, estimators, plan examiners, schedulers and project managers. The courses emphasize fundamentals and techniques of building construction.

First Year Term I

| | | |
|----------------------------------|--|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| *ENC 1101 | Composition I | 3 |
| *MAC 1105 | College Algebra | 3 |
| ARC 1056C | Digital Media | 2 |
| BCN 1272 | Building Construction Plans Interpretation | 2 |
| BCT 1767 | OHSA Standards | 1 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|------------------------------------|-----------|
| *BCN 1252C | Building Construction Drawing I | 4 |
| ARC 2461 | Materials and Methods Construction | 4 |
| FFP 1510 | Codes and Standards | 3 |
| BCT 2114 | MEP Plans Interpretation | 2 |
| BCT 1600 | Construction Estimating I | 2 |
| Total Term Semester Hours | | 15 |

First Year Term III, Session II

| | | |
|----------------------------------|---------------------------|----------|
| Elective | Social/Behavioral Science | 3 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|-----------------------------------|-----------|
| BCT 2760 | Building Codes and Regulations | 3 |
| *BCN 2256C | Building Construction Drawing II | 4 |
| BCN 2561 | Mechanical and Electrical Systems | 3 |
| BCN 2614C | Construction Estimating II | 3 |
| BCN 1706 | Construction Documents | 2 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|--|-----------|
| BCT 2787C | MEP Drawing | 3 |
| SPC1600 | Public Speaking or | |
| SPC 1024 | Introduction to Speech Communications | 3 |
| BCT 1743 | Construction Law | 2 |
| GRA 2403 | Project Management | 3 |
| BCT 2941L | Building Construction Field Experience | 1 |
| BCT 2705 | Infrastructure Coordination | 2 |
| Total Term Semester Hours | | 14 |
| Total Program Semester Hours | | 64 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

BUSINESS ADMINISTRATION
Business Administration Associate in Applied Science Major Code A032
International Business Management Specialization Associate in Applied Science Major Code A007
Business Administration Associate in Science Major Code 2119

BUSINESS MANAGEMENT CERTIFICATES
Business Management Technical Certificate Major Code 62671
Customer Service Specialization Technical Certificate Major Code 62672
Sports Management Specialization Technical Certificate Major Code 62673

Business Administration Associate in Applied Science Major Code A032

Program Description

The Associate in Applied Science degree in Business Administration, offered at all BCC locations, is designed for students seeking immediate employment in business and for those presently employed in a business career that desire advancement. This program develops students in a broad range of business functions and is designed for those students seeking careers or advancement in the areas of supervisory or middle management.

First Year Term I

| | | |
|----------------------------------|--------------------------|-----------|
| BUL 2241 | Business Law I | 3 |
| GEB 1011 | Introduction to Business | 3 |
| MTB 1103 | Business Mathematics | 3 |
| MAR 1011 | Principles of Marketing | 3 |
| Total Term Semester Hours | | 12 |

First Year Term II

| | | |
|----------------------------------|---------------------------------------|-----------|
| ACG 2001 | Principles of Accounting I | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| MNA 2345 | Principles of Supervision | 3 |
| Total Term Semester Hours | | 12 |

First Year Term III

| | | |
|----------------------------------|-----------------------------|----------|
| *ACG 2011 | Principles of Accounting II | 3 |
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|----------------------------|-----------|
| ECO 2013 | Principles of Economics I | 3 |
| MAN 2021 | Introduction to Management | 3 |
| *ACG 2071 | Managerial Accounting | 3 |
| FIN 1100 | Personal Finance | 3 |
| GEB 2430 | Business Ethics | 1 |
| Total Term Semester Hours | | 13 |

Second Year Term II

| | | |
|----------------------------------|-------------------------------------|-----------|
| Elective | Mathematic or Science | 3 |
| *BUL 2242 | Business Law II | 3 |
| Elective | Humanities/Fine Arts | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Introduction to Public Speaking | 3 |
| GEB 2949 | Co-op Work Experience/Internship or | |
| *Elective | Business | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term III

| | | |
|-------------------------------------|----------------------------|-----------|
| *ECO 2023 | Principles of Economics II | 3 |
| #Elective | Business | 3 |
| Total Term Semester Hours | | 6 |
| Total Program Semester Hours | | 64 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.
 #Business Electives are satisfied by the following courses: GEB 2112, MAR 2141, MKA 1021, MNA 1161, MAN 2604, TAX 2000, TAX 2010, REE 1040, or MNA 1134

International Business Management Associate in Applied Science Major Code A007

Program Description

The Associate in Applied Science degree in International Business Management is designed for students seeking to enter management training and entry-level jobs in international businesses such as manufacturers, wholesalers, exporters, banks, freight forwarders, transportation firms, and importers.

First Year Term I

| | | |
|----------------------------------|---------------------------|-----------|
| ECO 2013 | Principles of Economics I | 3 |
| GEB 1011 | Introduction to Business | 3 |
| MAR 2141 | International Marketing | 3 |
| MTB 1103 | Business Mathematics | 3 |
| Total Term Semester Hours | | 12 |

First Year Term II

| | | |
|----------------------------------|------------------------------------|-----------|
| ACG 2001 | Principles of Accounting I | 3 |
| #MAN 2604 | International Business Environment | 3 |
| +Elective | Business | 3 |
| +Elective | Business or | |
| Co-op Work Experience | | 3 |
| Total Term Semester Hours | | 12 |

| | |
|---|-----------|
| First Year Term III | |
| *ENC 1101 Composition I | 3 |
| CGS 1100 Introduction to Computer Applications | 3 |
| Total Term Semester Hours | 6 |
| Second Year Term I | |
| BUL 2241 Business Law I | 3 |
| *ECO 2023 Principles of Economics II | 3 |
| FIN 1100 Personal Finance | 3 |
| GEA 2000 World Geography | 3 |
| Total Term Semester Hours | 12 |
| Second Year Term II | |
| #FIN 2600 Finance of International Trade | 3 |
| GEB 2955 International Current Business Practices | 3 |
| MAN 2021 Introduction to Management | 3 |
| SPC 1600 Introduction to Public Speaking | 3 |
| Foreign Language | 4 |
| Total Term Semester Hours | 16 |

| | |
|-------------------------------------|-----------|
| Second Year Term III | |
| Elective Humanities/Fine Arts | 3 |
| *MTB 1310 Applied Mathematics | 3 |
| Total Term Semester Hours | 6 |
| Total Program Semester Hours | 64 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

+Business Electives are satisfied by taking one (1) of the following courses: ACG 2011, BUL 2242, MAR 1011, MKA 1021 or MKA 1511.

#Bi-yearly, North Campus only

Language level is determined by a placement test. Students may satisfy the 4 credit foreign language requirements by demonstrating proficiency through an examination. Contact the Department of Non-Traditional Programs.

It is strongly recommended that students see an academic advisor or counselor every term.

Business Administration Associate in Science Degree Major Code 2119

Program Description

The Associate in Science degree in Business Administration, offered at A. Hugh Adams Central, North, and Judson A. Samuels South Campuses, 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. Successful completion of this program earns the student entry into any university in the State University System as part of the AS to BS program.

General Education

| | |
|--|-----------|
| #ECO 2013 Principles of Economics I | 3 |
| *ECO 2023 Principles of Economics II | 3 |
| *ENC 1101 Composition I | 3 |
| *ENC 1102 Composition II | 3 |
| Humanities/Fine Arts Elective | 3 |
| *MAC 1105 College Algebra | 3 |
| #MAC 2233 Business Calculus | 3 |
| SPC 1600 Introduction to Public Speaking | 3 |
| Total Semester Hours | 24 |

Program Pre-requisites

| | |
|--|-----------|
| ACG 2001 Principles of Accounting I | 3 |
| *ACG 2011 Principles of Accounting II | 3 |
| *ACG 2071 Managerial Accounting | 3 |
| CGS 1100 Introduction to Computer Applications | 3 |
| *QMB 2100 Quantitative Mth. of Business | 3 |
| Pre-requisite Semester Hours | 15 |

Professional Core:

| | |
|-------------------------------------|---|
| BUL 2241 Business Law I | 3 |
| CGS 1510 Electronic Spreadsheet | 3 |
| ECO 2220 Money and Banking | 3 |
| FIN 1100 Personal Finance | 3 |
| MAN 2021 Introduction to Management | 3 |

| | |
|---|-----------|
| MAR 1011 Principles of Marketing | 3 |
| OST 1795 Telecommunications | 1 |
| OST 2335 Communications in the Workforce | 3 |
| PHI 2600 Introduction to Ethics | 3 |
| Total Professional Core Semester Hours | 25 |
| Total Program Semester Hours | 64 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.

#Course counts as a General Education and as a Program pre-requisite.

Transfer AS to BS:

| | |
|---|--------------------------|
| BS General Business – UCF, USF | |
| BS Business Administration and Management – FAMU, FAU, FGCU, FIU, FSU, UF, UNF, UWF | |
| General Education | 12 Semester Credit Hours |
| Courses Required to Complete Degree | 56 Semester Credit Hours |
| Total University | 68 Semester Hours |

NOTE: Some courses may require a "C" or higher to transfer to some universities.

Business Management Technical Certificate Major Code 62671

Program Description

The Business Management Technical Certificate, offered at A. Hugh Adams Central, North, and Judson A. Samuels South Campuses, is a program designed to prepare students to become small business owners and managers. Upon successful completion of this program, the student can also proceed toward completion of an A.S. or A.A.S. Degree in either Business Administration or Marketing Management.

Term I

| | | |
|----------------------------------|--------------------------|-----------|
| BUL 2241 | Business Law I | 3 |
| GEB 1011 | Introduction to Business | 3 |
| MTB 1103 | Business Mathematics | 3 |
| MAR 1011 | Principles of Marketing | 3 |
| Total Term Semester Hours | | 12 |

Term II

| | | |
|----------------------------------|---------------------------------------|-----------|
| ACG 2001 | Principles of Accounting I | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 2335 | Communications in the Workforce or | 3 |
| MNA 1134 | Contact Center Operations | 3 |
| MNA 2345 | Principles of Supervision | 3 |
| Total Term Semester Hours | | 12 |

Total Certificate Semester Hours 24

*Requires a pre-requisite. See course description in this catalog or online.

Business Management Technical Certificate Customer Service Specialization Major Code 62672

Program Description

The Customer Service Technical Certificate, offered at A. Hugh Adams Central, North, and Judson A. Samuels South Campuses, is designed to prepare students for immediate employment or advancement in customer service. The courses include materials that teach theory, develop skills and address practical applications for such employment. This certificate is designed to allow the student to participate in numerous activities that lead to strong employable skills. The courses in the certificate can also be applied toward an Associate in Science degree in Business Administration.

Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| MNA 1161 | Introduction to Customer Service | 3 |
| MTB 1103 | Business Mathematics | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 2335 | Communications in the Workforce or | 3 |
| MNA 1134 | Contact Center Operation | 3 |
| Total Term Semester Hours | | 12 |

Term II

| | | |
|----------------------------------|---------------------------------------|-----------|
| GEB 1011 | Introduction to Business or | |
| GEB 2949 | Co-op-Specialization Customer Service | 3 |
| ACG 2001 | Principles of Accounting I | 3 |
| BUL 2241 | Business Law I | 3 |
| MNA 2345 | Principles of Supervision | 3 |
| Total Term Semester Hours | | 12 |

Total Certificate Semester Hours 24

Business Management Technical Certificate Sports Management Specialization Major Code 62673

Program Description

The Sports Management Technical Certificate Program, offered at A. Hugh Adams Central Campus, is designed for students seeking employment or advancement in careers in recreation. Potential employers include city, state, and national parks and recreation centers; hospitals and rehabilitation centers; retirement centers; fitness centers; youth organizations; tourism industry (hotels, cruise ships, adventure tours, etc.). Upon successful completion of this program, the student can also proceed toward completion of A.S. degree in Recreation Technology.

Certificate Requirements

| | | |
|----------|---------------------------------|---|
| MNA 2345 | Principles of Supervision | 3 |
| LEI 1000 | Introduction to Recreation | 3 |
| HSC 2400 | First Aid | 3 |
| PET 1303 | Foundations of Exercise Science | 3 |

| | | |
|---|-------------------------------|-----------|
| HFT 2600 | Hospitality Law | 3 |
| LEI 1700 | Recreation for Special Groups | 3 |
| LEI 2433 | Recreation Management | 3 |
| HLP 1081 | Health Fitness | 2 |
| Activity Course Elective | | 1 |
| Total Certificate Semester Hours | | 24 |

Business Specialist Technical Certificate Major Code 6288
Program Description

The purpose of these certificate programs is to prepare students for specialist or supervisory positions in a variety of business environments, or to provide supplemental training for persons previously or currently employed in management and supervisory occupations. Upon successful completion of this program, the student can proceed toward completion of an advanced certificate or an A.S. or A.A.S. degree. The content of instruction includes the areas of planning, organizing, directing, and controlling of a business, with the emphasis on selected theories of management and decision making and the knowledge and understanding necessary for managing people and functions.

**Business Specialist Technical Certificate Major Code 6288
Option 1 International Business Option**

The purpose of this certificate is to prepare students for employment in specialist or supervisory occupations in such areas as: documentation/billing, international trade, traffic/transportation/warehousing, or other mid-management or specialist positions in the international business field.

| | | |
|---|--------------------------------------|-----------|
| ACG2001 | Principles of Accounting I | 3 |
| CGS1100 | Introduction to Computer Application | 3 |
| MAN2064 | International Business Environment | 3 |
| MTB1103 | Business Math | 3 |
| Total Certificate Semester Hours | | 12 |

**Business Specialist Technical Certificate Major Code 6288
Option 2: Small Business Management Option**

The purpose of this certificate is to prepare students for employment in specialist or supervisory occupations in such areas as: customer service, employee relations, merchandising, production, distribution, or other management positions.

| | | |
|---|---------------------------------|-----------|
| ACG2001 | Principles of Accounting 1 | 3 |
| GEB1011 | Introduction to Business | 3 |
| MNA2345 | Principles of Supervision | 3 |
| OST2335 | Communications in the Workplace | 3 |
| Total Certificate Semester Hours | | 12 |

CIVIL ENGINEERING TECHNOLOGY
Associate in Science Major Code 2109

Program Description

The increasing availability of computers has created a high demand for technicians with a two-year college degree. Most of the tasks that professional engineers used to perform with the calculator can now be delegated to engineering technicians with the skills acquired from this two-year program. The program has been implemented to upgrade or prepare students for the various disciplines in civil engineering (structural, sanitary, highway, land development, etc.) for both the private sector and the government. Positions available in the industry may be as civil engineering technicians to perform computer-oriented tasks for the professional engineer (hydraulics, land development, highways, structural analysis, and drafting) or as field inspectors for all the structural and civil engineering applications.

This program, offered at the Downtown Higher Education Complex (Willis Holcombe Center), is oriented toward entry-level students, but many of the courses offered reflect the requirements of the industry for the kind of help that civil engineers need at their level.

First Year Term I

| | | |
|----------------------------------|---------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| CGS 1000 | Introduction to Computers | 3 |
| *ETC 1250C | Materials and Processes | 3 |
| *MAC 1105 | College Algebra | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---------------------------------|-----------|
| BCN 1252C | Building Construction Drawing I | 4 |
| *MAC 1114 | Trigonometry | 3 |
| ETD 1320 | Basic CAD | 3 |
| *PHY 1001 | Applied Physics | 3 |
| *PHY 1001L | Applied Physics Lab | 1 |
| Total Term Semester Hours | | 14 |

First Year Term III, Session II

| | | |
|----------------------------------|-----------------------------------|----------|
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| *SUR 2001 | Surveying | 1 |
| *SUR 2001L | Surveying Lab | 2 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|----------------------------------|-----------|
| *BCN 2256C | Building Construction Drawing II | 4 |
| *SUR 2140C | Route Surveying | 3 |
| *ENC 2210 | Technical Report Writing | 3 |
| BCT 1600 | Building Construction Estimating | 2 |
| BCT 2941L | Field Experience | 1 |
| Total Term Semester Hours | | 13 |

Second Year Term II

| | | |
|-------------------------------------|-----------------------------|-----------|
| *BCN 2614C | Planning and Estimating | 3 |
| Elective | Humanities/Fine Arts | 3 |
| ARC 2580 | Structures | 4 |
| BCT 2705 | Infrastructure Coordination | 2 |
| EVS 2005 | Water/Waste Water | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

Courses should be taken in the sequence and term suggested unless approved by the Department Head.

It is strongly recommended that students see an academic advisor or counselor every term.

COMPUTER ENGINEERING TECHNOLOGY
Computer Engineering Technician Associate in Applied Science Major Code A035

Program Description

The Associate in Applied Science degree in Computer Engineering Technology, offered at the North Campus, prepares students for employment in the fields of computer design and development, data acquisition, microcomputer systems analysis, programming and data communications. These courses may transfer to upper level BET and BSET programs. This program transfers directly to Nova Southeastern University. Students should consult the colleges to which they wish to transfer.

First Year Term I

| | | |
|----------------------------------|---------------------------------|-----------|
| *EET 1015C | DC Circuits | 5 |
| CET 1114C | Digital Techniques | 5 |
| *MTB 1325 | Engineering Tech. Mathematics I | 4 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|----------------------------------|-----------|
| *EET 1025C | AC Circuits | 5 |
| *EET 1141C | Linear Techniques I | 5 |
| CDA 1403C | PC Support-OP System (Session 2) | 3 |
| *CDA 1302C | PC Support Hardware (Session 4) | 3 |
| Total Term Semester Hours | | 16 |

First Year Term III

| | | |
|----------------------------------|---------------------------------|-----------|
| *CET 1123C | Microprocessors I | 4 |
| *CET 1317C | Technical Computer Applications | 3 |
| CGS 2263 | Local Area Networking | 3 |
| Total Term Semester Hours | | 10 |

Second Year Term I

| | | |
|----------------------------------|-----------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| *CET 2131C | Microprocessors II | 4 |
| CET 2489C | Networking Technology | 2 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|----------------------|-----------|
| *EET 2355C | Data Communications | 3 |
| Elective | Humanities/Fine Arts | 3 |
| *CET 2494C | Advanced Networking | 3 |
| *CTS 2312C | Security* | 4 |
| Total Term Semester Hours | | 13 |
| Total Program Semester Hours | | 68 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

Technical courses should be taken in the sequence and term suggested unless approved by the Department Head.

This program of study applies to students who enroll in Broward Community College for the first time during the 2005-06 academic year. Other students should refer to their applicable catalog.

It is strongly recommended that students see an academic advisor or counselor every term

COMPUTER INFORMATION ADMINISTRATOR
Computer Systems Specialist Associate in Applied Science Major Code A010
Computer Systems Specialist Associate in Science Major Code 21491
Computer Information Technology Tech Support Specialist Associate in Science Option
Major Code 21493
Information Technology Tech Support Specialist Associate in Applied Science Option
Major Code A0101
Information Technology Support Specialist Technical Certificate Help Desk Specialist Option
Major Code 62822
Information Technology Support Specialist Technical Certificate Microsoft Office Specialist (MOS)
Option Major Code 62823
Information Technology Support Specialist Certificate Sun Certified Solaris (UNIX)
System Administrator Option Major Code 62824
Information Technology Analysis Linux System Administrator Option Technical Certificate
Major Code 6284

Computer Systems Specialist Associate in Applied Science Major Code A010

Program Description

The Computer Systems Specialist Associate in Applied Science Degree, offered at A. Hugh Adams Central Campus and North Campus, is designed to prepare for the growing business market of microcomputer applications, Internet, security, programming, networking, and troubleshooting.

First Year Term I**

| | | |
|----------------------------------|---------------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| *MTB 1310 | Applied Mathematics or | |
| *MAT 1033 | Intermediate Algebra | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| CGS 1557C | Internet Site Design | 3 |
| ⁽¹⁾ Elective | Business Elective | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|------------------------------------|-----------|
| CDA 1403 C | PC Support-OP. Sys (session 2) | 3 |
| *CDA 1302C | PC Support-Hardware (session 4) | 3 |
| *COP 1334C | Introduction to C++ Programming | 3 |
| ENC 2210 | Professional and Technical Writing | 3 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|--------------------------------------|----------|
| CGS 1510 | Electronic Spreadsheet or | |
| CGS 1518C | Microsoft Specialist: Advanced Excel | 3 |
| CGS 2263 | Local Area Networking | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|------------|---------------------------------------|---|
| *CET 2489C | Networking Technology | 2 |
| CGS 1540C | Database Management or | |
| CTS 1431C | Microsoft Specialist: Advanced Access | 3 |
| *COP 2171C | Visual Basic Programming | 3 |

| | | |
|----------------------------------|---|-----------|
| SPC 1024 | Intro to Speech Communication or | |
| SPC 1600 | Public Speaking | 3 |
| Elective | Elective Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 14 |

Second Year Term II

| | | |
|-------------------------------------|-----------------------|-----------|
| *CET 2494C | Advanced Networking | 3 |
| *COP 1341 | Unix Operating System | 3 |
| *CTS 2312C | Security ⁺ | 4 |
| EET 2355C | Data Communications | 3 |
| Total Term Semester Hours | | 13 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

⁽¹⁾Business Elective: Any course with ACG, BUL, GEB, MAN, or MAR.

Technical courses should be taken in the sequence and term suggested unless approved by the Department Head.

This program of study applies to students who enroll in Broward Community College for the first time during the 2004-05 academic year. Other students should refer to their applicable catalog.

It is strongly recommended that students see an academic advisor or counselor each term.

Computer Systems Specialist Associate in Science Major Code 21491

Students seeking an Associate in Science degree shall substitute MTB 1310 requirement in the Associate in Applied Science degree with MAC 1105, College Algebra or higher-level Mathematics.

COMPUTER INFORMATION TECHNOLOGY
Associate in Science Tech Support Specialist Option Major Code 21493

General Education Requirements: 15 credits

| | | |
|-----------|--|---|
| ENC 1101 | Composition | 3 |
| MAC 1105 | College Algebra* | 3 |
| SPC 1024 | Introduction to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| Hum / FA | Humanities / Fine Arts Elective | 3 |
| Soc / Beh | Social / Behavioral Science Elective | 3 |

Tech Support Specialist Core Courses: 30 credits

| | | |
|-------------|---|---|
| CDA 1403C | PC Support & Service – Operating Systems (Session 2) | 3 |
| CDA 1302C | PC Support & Service -- Hardware ¹ (Session 4) | 3 |
| CEN 1509C | Network+ | 4 |
| CEN 1300C | Implementing Microsoft Windows Professional ² | 4 |
| CTS 1860C | I-Net+ | 4 |
| CGS 2810C | Help Desk ³ | 4 |
| CS Elective | Computer Science Elective** | 4 |
| CS Elective | Computer Science Elective** | 4 |

Tech Support Specialist Areas of Specialization (Choose one): 18 credits
(4) Microsoft Office Specialist

| | | |
|-----------|--|---|
| CGS 1100 | Introduction to Computer Applications | 3 |
| CTS 1240C | Microsoft Specialist: Advanced Word ⁴ | 3 |
| CTS 1280C | Microsoft Specialist: Advanced Excel ⁴ | 3 |
| CTS 1570C | Microsoft Specialist: Advanced Powerpoint ⁴ | 3 |
| CTS 1760C | Microsoft Specialist: Advanced Outlook ⁴ | 1 |
| CGS 1542C | Microsoft Specialist: Advanced Access ⁴ | 3 |
| CTS 2750C | Supporting Microsoft Office ⁵ | 2 |

(5) Linux System Administrator

| | | |
|-----------|---|---|
| CTS 1111C | Linux+ ⁶ | 4 |
| CTS 1173C | Linux Installation and Configuration ⁷ | 3 |
| CTS 1321C | Linux Administration ⁸ | 4 |
| CTS 1301C | Linux Networking ⁹ | 4 |
| CTS 1311C | Linux Security ¹⁰ | 3 |

(6) Sun Solaris (UNIX System Administrator

| | | |
|----------------------|---|-----------|
| COP 1334C | Introduction to C++ ¹¹ | 3 |
| COP 1341 | Unix ¹² | 3 |
| CTS 1112C | Sun: Solaris System Administration I ¹³ | 4 |
| CTS 1344C | Sun: Advanced Shell Scripting ¹⁴ | 4 |
| CTS 1113C | Sun: Solaris System Administration II ¹⁴ | 4 |
| Total Credits | | 63 |

**Any course with a CDA, CEN, CET, CIS, or COP prefix

*Students pursuing an A.A.S. degree may substitute MTB1310 – Applied Mathematics or MAT1033 – Intermediate Algebra

¹ Prerequisite – CDA 1403C (with a grade of C or higher)

² Prerequisite – CDA 1403C (with a grade of C or higher); Co-Requisite – CDA 1302C

³ Prerequisites – CDA 1403C and CDA 1302C and CEN 1509C (each with a grade of C or higher)

⁴ Prerequisite – CGS 1100 (with a grade of C or higher)

⁵ Prerequisites – CTS 1240C and CTS 1280C and CTS 1570C and CGS 1542C (each with a grade of C or higher)

⁶ Prerequisite – CDA 1403C and CDA 1302C (each with a grade of C or higher)

⁷ Prerequisite – CTS1111C (with a grade of C or higher)

⁸ Prerequisite – CTS 1173 (with a grade of C or higher)

⁹ Prerequisite – CTS 1321 (with a grade of C or higher)

¹⁰ Prerequisite – CTS1301C (with a grade of C or higher)

¹¹ Prerequisite – MAT1033 or MTB1310

¹² Prerequisite – COP1334C

¹³ Prerequisite – COP1341 (with a grade of C or higher)

¹⁴ Prerequisite – CTS1112C (with a grade of C or higher)

COMPUTER INFORMATION TECHNOLOGY
Associate in Applied Science Tech Support Specialist Option Major Code A0101

| | | | | |
|---|---|---|---|-----------|
| General Education Requirements: 15 credits | | | | |
| ENC 1101 | Composition | 3 | CTS 1321C Linux Administration ⁸ | 4 |
| MAT 1033 | Intermediate Algebra or | | CTS 1301C Linux Networking ⁹ | 4 |
| MTB 1310 | Applied Mathematics | 3 | CTS 1311C Linux Security ¹⁰ | 3 |
| SPC 1024 | Introduction to Speech Communications or | | | |
| SPC 1600 | Public Speaking | 3 | 3) Sun Solaris (UNIX System Administrator) | |
| Hum / FA | Humanities / Fine Arts Elective | 3 | COP 1334C Introduction to C++ ¹¹ | 3 |
| Soc / Beh | Social / Behavioral Science Elective | 3 | COP 1341 Unix ¹² | 3 |
| | | | CTS 1344C Sun: Solaris System Administration I ¹³ | 4 |
| Tech Support Specialist Core Courses: 30 credits | | | CTS 1344C Sun: Advanced Shell Scripting ¹⁴ | 4 |
| CDA 1403C | PC Support & Service – Operating Systems (Session 2) | 3 | CTS 1113C Sun: Solaris System Administration II ¹⁴ | 4 |
| CDA 1302C | PC Support & Service -- Hardware ¹ (Session 4) | 3 | Total Credits | 63 |
| CEN 1509C | Network+ | 4 | **Any course with a CDA, CEN, CET, CIS, or COP prefix | |
| CEN 1300C | Implementing Microsoft Windows Professional ² | 4 | 1 Prerequisite – CDA 1403C (with a grade of C or higher) | |
| CTS 1860C | I-Net+ | 4 | 2 Prerequisite – CDA 1403C (with a grade of C or higher); Co-Requisite – CDA 1302C | |
| CGS 2810C | Help Desk ³ | 4 | 3 Prerequisites – CDA 1403C and CDA 1302C and CEN 1509C (each with a grade of C or higher) | |
| CS Elective | Computer Science Elective** | 4 | 4 Prerequisite – CGS 1100 (with a grade of C or higher) | |
| CS Elective | Computer Science Elective** | 4 | 5 Prerequisite – CTS 1240C and CTS 1280C and CTS 1570C and CGS 1542C (each with a grade of C or higher) | |
| Tech Support Specialist Areas of Specialization (Choose one): 18 credits | | | 6 Prerequisite – CDA 1403C and CDA 1302C (each with a grade of C or higher) | |
| 1) Microsoft Office Specialist | | | 7 Prerequisite – CTS 1111C (with a grade of C or higher) | |
| CGS1100 | Introduction to Computer Applications | 3 | 8 Prerequisite – CTS 1173C (with a grade of C or higher) | |
| CTS 1240 | Microsoft Specialist: Advanced Word ⁴ | 3 | 9 Prerequisite – CTS 1321C (with a grade of C or higher) | |
| CTS 1280C | Microsoft Specialist: Advanced Excel ⁴ | 3 | 10 Prerequisite – CTS 1301C (with a grade of C or higher) | |
| CTS 1570C | Microsoft Specialist: Advanced Powerpoint ⁴ | 3 | 11 Prerequisite – MAT 1033 or MTB1310 | |
| CTS 1760C | Microsoft Specialist: Advanced Outlook ⁴ | 1 | 12 Prerequisite – COP 1334C | |
| CGS 1542C | Microsoft Specialist: Advanced Access ⁴ | 3 | 13 Prerequisite – COP 1341 (with a grade of C or higher) | |
| CTS 2750C | Supporting Microsoft Office ⁵ | 2 | 14 Prerequisites – CTS 1112C (with a grade of C or higher) | |
| 2) Linux System Administrator | | | | |
| CTS 1111C | Linux+ ⁶ | 4 | | |
| CTS 1173C | Linux Installation and Configuration ⁷ | 3 | | |

INFORMATION TECHNOLOGY SUPPORT SPECIALIST Technical Certificate
Help Desk Specialist Option Major Code 62822

| | | | | | |
|----------------------------------|--|-----------|--|--|-----------|
| Term I | | | Term II | | |
| CDA 1403C | PC Support & Service – Operating Systems (Session 2) | 3 | CEN 1300C | Implementing Microsoft Windows Professional ² or | |
| CDA 1302C | PC Support & Service – Hardware ¹ (Session 4) | 3 | CTS 1111C | Linux+ ² | 4 |
| CEN 1509C | Network+ | 4 | CGS 2810C | Help Desk ³ (Session 4) | 4 |
| Total Term Semester Hours | | 10 | Total Term Semester Hours | | 8 |
| | | | Total Program Semester Hours | | 18 |
| | | | 1 Prerequisite – CDA 1403C (with a grade of C or higher) | | |
| | | | 2 Prerequisite – CDA 1403C (with a grade of C or higher); Co-Requisite – CDA 1302C | | |
| | | | 3 Prerequisites – CDA 1403C and CDA 1302C and CEN 1509C (each with a grade of C or higher) | | |

COMPUTER PROGRAMMING AND ANALYSIS
Applications Programmer Associate in Science Major Code 2195
Computer Programmer Sun Java Specialist Technical Certificate Major Code 62388
Software Development Associate in Science Major Code 21133

Application Programmer Associate in Science Major Code 2195

Program Description

The Associate in Science Degree in Application Programmer, offered at the North and A. Hugh Adams Central Campuses, is designed to prepare students for the dynamic world of applications programming and development, while also permitting the student to tailor the degree to their educational goals. Areas of choice include a wide variety of topic areas such as business and engineering programming, hardware and software support, computer applications, computer aided design, computer networking, database management, accounting, business, management, marketing, mathematics, physics, and statistics.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| *MAC 1105 | College Algebra | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| ⁽³⁾ Elective | Field Elective | 3 |
| COP 1334C | Introduction to C++ Programming | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---|-----------|
| *ENC 1102 | Composition II or | |
| *ENC 2210 | Professional and Technical Writing | 3 |
| *COP 1337C | Intermediate C++ Programming | 3 |
| *COP 2171C | Visual Basic Programming | 3 |
| CGS 1540C | Database Management | 3 |
| SPC 1024 | Intro to Speech Communication or | 3 |
| SPC 1600 | Intro to Public Speaking | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|---------------------------|----------|
| ⁽²⁾ Elective | Computer Science Elective | 3 |
| ⁽³⁾ Elective | Field Elective | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I**

| | | |
|----------------------------------|----------------------------------|-----------|
| *CIS 2321 | System Development and Design | 3 |
| *COP 1341 | UNIX or | |
| **CTS 1111C | LINUX+ | 3 |
| *COP 2331 | Object Oriented Design and Prog. | 3 |
| ⁽¹⁾ Elective | Computer Programming Elective | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II**

| | | |
|-------------------------------------|-------------------------------|-----------|
| ⁽¹⁾ Elective | Computer Programming elective | 3 |
| ⁽²⁾ Elective | Computer Science Elective | 3 |
| ⁽³⁾ Elective | Field Elective | 3 |
| Elective | Humanities/Fine Arts Elective | 3 |
| Total Term Semester Hours | | 12 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

Technical courses should be taken in the sequence and term suggested unless approved by the Department Head.

#Students choosing CTS 1111C (4 credits) instead of COP 1341 may take a two-credit computer science elective in replacement of the three credit computer science elective to stay within the number of credits for the degree.

- (1) Computer Programming Electives: Any course with prefix COP.
- (2) Computer Science Elective: Any course with prefix CDA, CEN, CET, CGS, CIS, COP, or CTS.
- (3) Field Elective: Any computer science elective or ACG 1003, ACG 2001, ACG 2011, BUL 2241, ETD 1320, ETD 2350C, GEB 1011, GEB 2112, MAC 2311, MAC 2312, MAC 2313, MAN 2021, MAR 1011, OST 1811C, PHY 1001, PHY 2048, PHY 2049, PHY 2053, PHY 2054, or STA 2023.

This program of study applies to students who enroll in Broward Community College for the first time during the 2004-05 academic year. Other students should refer to their applicable catalog.

Students who meet these degree requirements will have satisfied the speech requirements for this major.

It is strongly recommended that students see an academic advisor or counselor every term.

COMPUTER PROGRAMMING SPECIALIST CERTIFICATE
Sun Certified Java Programmer Major Code 62388

Term I

| | | |
|----------------------------------|---|----------|
| COP 1334C | Introduction to C++ Programming ¹ (Session 2) | 3 |
| COP 1337C | Intermediate C++ Programming ² (Session 4) | 3 |
| COP 1341 | UNIX ² (Session 4) | 3 |
| Total Term Semester Hours | | 9 |

Term II

| | | |
|----------------------------------|--|----------|
| COP 2331C | Object-Oriented Design and Programming ³ | 3 |
| COP 2800C | Programming in Java ³ | 3 |
| Total Term Semester Hours | | 6 |

Term III

| | | |
|-------------------------------------|---|-----------|
| COP 2805C | Sun: Advanced Java Programming ⁴ | 3 |
| Total Term Semester Hours | | 3 |
| Total Program Semester Hours | | 18 |

- 1 Prerequisite – MAT 1033 or MTB 1310
- 2 Prerequisite – COP 1334C
- 3 Prerequisite – COP 1337C
- 4 Prerequisites – COP 1341 and COP 2331C and COP 2800C

Software Development Associate in Science Major Code 21133

Program Description

The Associate in Science Degree in Software Development, offered at the North Campus, is designed to prepare students for specialization in the development of software in a variety of technical environments. The degree prepares the student for immediate employment in such careers as Programmer, Programmer/Analyst, Systems Analyst, and Software Engineer.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| COP 1334C | Introduction to C ⁺⁺ | 3 |
| *ENC 1101 | Composition I | 3 |
| *MAC 1105 | College Algebra | 3 |
| Total Term Semester Hours | | 12 |

First Year Term II

| | | |
|----------------------------------|-------------------------------|-----------|
| *ENC 2210 | Professional and Tech Writing | 3 |
| *COP 1337C | Intermediate C ⁺⁺ | 3 |
| *COP 1341 | Unix Operating System | 3 |
| *COP 2171C | Visual Basic Programming | 3 |
| CGS 1540C | Database Management | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|-----------------------------------|----------|
| *CIS 2321 | Systems Design and Development | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Introduction to Public Speaking | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|---|-----------|
| *COP 2331C | Object-Oriented Design and Programming Using C ⁺⁺ | 3 |
| Elective | Humanities/Fine Arts | 3 |
| *COP 2821C | Visual Basic Development | 3 |
| *COP 2700C | Database Programming using SQL | 3 |
| *COP 2701C | Access VBA Programming | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|--|-----------|
| *COP 2800C | Programming in JAVA | 3 |
| *COP 2227C | Solution Architectures | 3 |
| Elective | Social/Behavioral Science | 3 |
| *COP 2706C | Business Development Using Visual Basic | 3 |
| ⁽¹⁾ Elective | Computer Science Elective | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

⁽¹⁾Computer Science Elective – Any course with prefix CDA, CEN, CET, CGS, CIS, COP, or CTS.

This program of study applies to students who enroll in Broward Community College for the first time during the 2004-05 academic year. Other students should refer to their applicable catalog.

It is strongly recommend that students see an academic advisor or counselor every term.

CRIMINAL JUSTICE TECHNOLOGY ASSOCIATE IN SCIENCE
Criminal Justice Emphasis Major Code 21101
Crime Scene Emphasis Major Code 21102
Polygraph Emphasis Major Code 21104

Program Description

The primary mission of the Broward Community College Institute of Public Safety, located on A. Hugh Adams Central Campus, is to prepare the student as a Criminal Justice Practitioner and for such jobs as Police Officer, Corrections (jail/prison) Officer, U.S. Customs or I.N.S. Inspector, Crime Scene Technician, Community/Police Service Aide or Polygrapher. The Institute of Public Safety is certified by the Florida Criminal Justice Standards and Training Commission as a training center which authorizes the basic Law Enforcement and Corrections Academy training as well as in-service, advanced and career development training to meet local needs.

Students seeking to transfer to a university for a baccalaureate degree for a "professional position" such as Probation Officer, Parole Officer, Special Agent for U.S. Federal Agencies (such as FBI or DEA), Juvenile Counselor, or Social Caseworker should take an appropriate Associate in Arts Degree Program. Program sheets are available in the Office of Student Affairs/Counseling Office.

Criminal Justice Technology Associate in Science Core Courses

An A.S. degree in Criminal Justice may be earned by completing the General Education and Criminal Justice Core Requirements and Specialization courses indicated in the option selected. The associate degree does not qualify students for state certification as corrections or law enforcement officers. A student must complete the Florida Criminal Justice Standards and Training Commission Basic Recruit Training Program for state certification.

Core Courses (Required for all students):

| | | |
|-----------|--|---|
| *ENC 1101 | Composition I | 3 |
| *ENC 1102 | Composition II or | |
| *ENC 2210 | Technical Report Writing | 3 |
| Elective | Mathematics/Natural Science | 3 |
| Elective | Humanities/Fine Arts | 3 |
| POS 2041 | National Government or | |
| POS 2112 | State and Local Government | 3 |
| PSY 2012 | General Psychology | 3 |
| SYG 2000 | General Sociology | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1000 | Introduction to Computers or | |
| CGS 1100 | Introduction to Computer Applications | 3 |
| CCJ 1020 | Introduction to Criminal Justice | 3 |
| CJL 1062 | Constitutional Law | 3 |
| CCJ 2191 | Human Behavior in Criminal Justice | 3 |
| CJT 2100 | Criminal Investigation | 3 |
| #HSC 1101C | Healthful Living (Major 21101 only) | 1 |
| Total Core Semester Hours | | 40 |

#Required in Criminal Justice Option only.

Students must fulfill a mathematics competency exit requirement through placement test or coursework.

Criminal Justice Emphasis Major Code 21101

Core Courses (See Above) **40**
 Twelve (12) Criminal Justice elective credits to be selected from the following:

| | | |
|-----------|--|---|
| CCJ 2000 | Introduction to Corrections | 3 |
| CCJ 2162 | Probation and Parole Procedures | 3 |
| *CCJ 2500 | Juvenile Justice | 3 |
| *CCJ 2933 | Corrections Practicum | 3 |
| CJD 1420 | Correctional Law | 3 |
| CJD 1763 | Interpersonal Skills in Criminal Justice | 3 |
| CJE 1300 | Introduction to Criminal Justice Administration and Management | 3 |
| CJE 2170 | Comparative World Police | |
| CJE 2400 | Police Community Relations | 3 |

| | | |
|--|--------------------------------|-----------|
| CJL 1100 | Criminal Law | 3 |
| CJL 1130 | Criminal Evidence | 3 |
| CJL 2060 | Civil Rights Agencies | 3 |
| CJT 2110 | Introduction to Criminalistics | 3 |
| DSC 1011 | Terrorism & Domestic Security | 3 |
| Total Criminal Justice Elective Credits | | 12 |
| +General Education Electives | | 12 |
| Total Program Semester Hours | | 64 |

+General Education Electives Credits to be selected from any College Level Courses in Areas 2 - 5.

*Requires a pre- or co-requisite. See course description in this catalog or online.

Students must fulfill a mathematics competency exit requirement through placement test or coursework.

Crime Scene Emphasis Major Code 21102

| | |
|---|-----------|
| Core Courses (Required for all students-see above) | 39 |
| Specialization Options-Crime Scene Emphasis | |
| CJL 1100 Criminal Law | 3 |
| CJL 1130 Criminal Evidence and Court Procedures | 3 |
| Science Elective (includes Lab) | 7 |
| CJT 2110 Introduction to Criminalistics (Offered Term 1 & Term II, | 3 |
| CJT 2120 Forensics Photography (Offered in Term 1 and Term II, evening class) | 3 |
| *CJT 2130 Criminalistics Practicum (Offered in Term III, evening class) | 3 |
| Total Crime Scene Emphasis Semester Hours | 22 |

*CJT 2115 Advanced Forensic Investigation (Offered in Term 1, evening class) or General Education Elective Credits from college level courses in Areas 2-5 3
Total Program Semester Credits 64

*Requires a pre- or co-requisite. See course description in this catalog or online.

Students must fulfill a mathematics competency exit requirement through placement test or coursework.

Polygraph Emphasis Major Code 21104

| | |
|---|-----------|
| Core Courses (Required for all students see above) | 39 |
| The following courses in Polygraph (CJD/CJT) are the credits awarded to a student through Experiential Learning for completing the polygraph training at Deception Control, Inc., Fort Lauderdale. Applicants must submit verification of completion of approved polygraph training to the Director of the Criminal Justice Degree Programs and to Experiential Learning. | |
| CJD 2250 Interviews and Interrogations | 3 |
| CJT 2250 Polygraph Theory and Operations | 3 |
| CJT 2251 Test Questions Construction and Semantics, Personnel Screening | 3 |
| CJT 2252 Test Questions Construction and Semantics, Criminal Cases | 3 |
| CJT 2253 Chart Analysis, Validity and Reliability | 4 |
| CJT 2254 Polygraph Operations Practicum | 3 |
| Total Polygraph Emphasis Semester Hours | 19 |

General Education Elective Credits to be selected from college level courses in Areas 2-5 6
Total Program Semester Hours 64

*Requires a pre- or co-requisite. See course description in this catalog or online.

Students must fulfill a mathematics competency exit requirement through placement test or coursework.

CRIMINAL JUSTICE CERTIFICATES
Broward County Correctional Officer Academy Major Code 5270
Broward County Correctional Probation Officer Academy Major Code 5282
Broward County Police Academy Major Code 5269
Law Enforcement Officer-Crossover from Correction Officer Major Code 5278
Law Enforcement Officer-Crossover from Correctional Probation Officer Major Code 5296
Police Service Aide Academy Major Code 5271

Program Description

The Florida Criminal Justice Standards and Training Commission recognize the Broward Community College Institute of Public Safety, located at A. Hugh Adams Central Campus, as a Law Enforcement and Corrections Training Center. As an authorized Training Center, the Institute of Public Safety offers six certificate of achievement programs: The Broward County Police Academy Basic Recruit Certificate Program, The Broward County Correctional Officer Academy Basic Recruit Certificate Program, The Broward County Correctional Probation Officer Academy Certificate Program, Law Enforcement Officer-crossover from Correction Officer Certificate Program, Law Enforcement Officer-crossover from Correctional Probation Officer, and the Police Service Aide Certificate Program. **A person must be hired or sponsored by a corrections or law enforcement agency before being enrolled in any of these certificate programs. For further information on these certificate programs, contact the Testing Center at the Institute of Public Safety at (954) 201-6931.**

Broward County Correctional Officer Academy Major Code 5270

Upon successful completion of the Broward County Correctional Officer Academy, a student is eligible to take the State Certification exam to become a certified Florida Corrections Officer. Correction officers typically are employed in state prisons or county and city jails or stockades. A person must be hired or sponsored by a corrections or law enforcement agency before being enrolled in the Broward County Corrections Academy. To find out what tests you must take before you can be hired or sponsored by a corrections or law enforcement agency, contact the Testing Center at the Institute of Public Safety at (954) 201-6931. A person who is accepted into the Broward County Correctional Officer Academy nine post-secondary adult vocational courses:

| | | Clock Hours | | |
|----------|---|--------------------|--|---------------------------|
| CJD 0770 | Criminal Justice Legal 1 | 46 | CJD 0741 | Emergency Preparedness 26 |
| CJD 0771 | Criminal Justice Legal 2 | 22 | CJD 0752 | Correctional Operation 64 |
| CJD 0772 | Criminal Justice Communications | 42 | Total Clock Hours 532 | |
| CJD 0773 | Interpersonal Skills 1 | 62 | <p>Students attend the Broward County Corrections Academy Monday through Friday, 8:00 AM to 5:00 PM for approximately fourteen weeks. In accordance with State law, students must score 80 percent or higher on all tests given in the above courses. Students must also maintain excellent attendance and cannot miss more than 10% of scheduled class sessions. Students will wear uniforms and must follow Corrections Academy Rules of Conduct.</p> | |
| CJK 0031 | First Aid for Criminal Justice Officers | 40 | | |
| CJK 0040 | Criminal Justice Weapons | 80 | | |
| CJK 0050 | Criminal Justice Defensive Tactics | 80 | | |
| CJK 0095 | Criminal Justice Special Topics | 20 | | |
| CJD 0750 | Interpersonal Skills 2 | 50 | | |

Broward County Correctional Probation Officer Academy Major Code 5282

Upon successful completion of the Broward County Correctional Probation Officer Academy, a student is eligible to take the state certification exam to become a certified Florida Correctional Probation Officer. A person must be hired or sponsored by a correction agency before being enrolled in the program. To find out what tests you must take before you can be hired or sponsored by a corrections agency, contact the Testing Center at the Institute of Public Safety at (954) 201-6931. A person who is accepted into the Broward County Correctional Probation Officer Academy Program will take the following eight post-secondary adult vocational courses:

| | | | | | |
|----------|--------------------------------------|----|------------------------------|---|----|
| CJD 0790 | Correctional Probation Legal | 60 | CJK 0255 | CMS Corrections Probation Firearms | 16 |
| CJD 0792 | Correctional Probation Interpersonal | 68 | CJK 0031 | CMS First Aid for Criminal Justice Officers | 40 |
| CJD 0793 | Correctional Probation Communication | 70 | CJK0095 | Criminal Justice Special Topics | 20 |
| CJD 0794 | Correctional Probation Supervision | 58 | Total Clock Hours 412 | | |
| CJK 0050 | Criminal Justice Defensive Tactics | 80 | | | |

Students attend the Broward County Correctional Probation Academy program Monday through Friday, 8:00 AM to 5:00 PM for approximately eleven weeks. In accordance with State law, students must score 80 percent or higher on all tests given in the above courses. Students must also maintain

excellent attendance, not missing more than 10% of scheduled class sessions, and must follow the Academy Rules of Conduct.

Broward County Police Academy Major Code 5269

Upon successful completion of the Broward County Police Academy, a student is eligible to take the State Certification exam to become a certified Florida Law Enforcement Officer. A person must be hired or sponsored by a law enforcement agency before being enrolled in the Broward County Police Academy. To find out what tests you must take before you can be hired or sponsored by a law enforcement agency, contact the Testing Center at the Institute of Public Safety at (954) 201-6931.

| | | Clock Hours |
|--------------------------|---|--------------------|
| CJK 0006 | Introduction and Law | 67 |
| CJK 0010 | Human Issues | 50 |
| CJK 0015 | Communications | 77 |
| CJK 0020 | Vehicle Operations | 48 |
| CJK 0031 | First Aid for Criminal Justice Officers | 40 |
| CJK 0040 | Firearms | 80 |
| CJK 0050 | Defensive Tactics | 80 |
| CJK 0060 | Patrol | 57 |
| CJK 0070 | Investigations | 53 |
| CJK 0075 | Investigating Offenses | 40 |
| CJK 0080 | Traffic Stops | 62 |
| CJK 0085 | Traffic Crash Investigation | 32 |
| CJK 0090 | Tactical Applications | 54 |
| CJK 0095 | Criminal Justice Special Topics | 20 |
| Total Clock Hours | | 760 |

Students attend the Broward County Police Academy Monday through Friday, 8:00 AM to 5:00 PM for approximately twenty weeks. In accordance with State law, students must score 80 percent or higher on all tests given in the above courses. Students must also maintain excellent attendance and cannot miss more than 10 percent of scheduled class sessions. Students will wear uniforms and must follow the Police Academy Rules of Conduct.

CMS Law Enforcement Officer-crossover from Correctional Officer Major Code 5278

Upon successful completion of the Law Enforcement Officer-crossover from Correctional Officer program, a currently certified Corrections Officer is eligible to take the state certification exam to become a certified Florida Law Enforcement Officer. A person must be hired or sponsored by a law enforcement agency before being enrolled in the program. To find out what tests you must take before you can be hired or sponsored by a law enforcement agency, contact the Testing Center at the Institute for Public Safety at (954) 201-6931.

| | | Clock Hours |
|--------------------------|---|--------------------|
| CJK 0211 | Cross-over Correctional to CMS Law Enforcement | 94 |
| CJK 0212 | Corss-over Correctional to Law Enforcement CMS High-Liability | 8 |
| CJK 0213 | Cross-over Correctional to Law Enforcement Tactical Application | 40 |
| CJK0060 | Patrol | 57 |
| CJK0070 | Investigations | 53 |
| CJK 0075 | Investigating Offenses | 40 |
| CJK 0080 | Traffic Stops | 62 |
| CJK 0085 | Traffic Crash Investigations | 32 |
| CJK0020 | Vehicle Operations | 48 |
| Total Clock Hours | | 434 |

Students attend the program Monday through Friday, either 8:00 AM to 12:00 PM or 6:00 PM to 10:00 PM for approximately 22 weeks. In accordance with State law, students must score 80 percent or higher on all tests given in the above courses. Students must also maintain excellent attendance and cannot miss more than 10 percent of scheduled class sessions. Students will wear uniforms and must follow the Police Academy Rules of Conduct.

Law Enforcement Officer-crossover from Correctional Probation Officer Major Code 5296

Upon successful completion of the to Law Enforcement Officer-crossover from Correctional Probation Officer program, a currently certified Correctional Probation Officer is eligible to take the state officer certification examination to become a certified Florida Law Enforcement Officer. A person must be hired or sponsored by a law enforcement agency before being

enrolled in the program. To find out what tests you must take before you can be hired or sponsored by a law enforcement agency, contact the Testing Center at the Institute for Public Safety at (954) 201-6931

| | Clock Hours |
|--|--------------------|
| CJD 0796 Legal Crossover Correctional Probation to Law Enforcement | 46 |
| CJD 0797 Crossover Correctional Probation to Law Enforcement | 64 |
| CJK 0040 CMS Criminal Justice Firearms | 80 |
| CJK 0020 Vehicle Operations | 48 |
| CJD 0731 Law Enforcement Patrol | 64 |
| CJD 0732 Law Enforcement Traffic | 46 |
| CJD 0734 Law Enforcement Investigations | 64 |
| Total Clock Hours | 412 |

A person who is accepted into the Cross-Over from Correctional Probation Officer to Law Enforcement Program will take one college credit course and seven post-secondary adult vocational courses. Students attend the program Monday through Friday either 8 AM to 12 PM for 20 weeks or 8 AM to 5 PM for 10 weeks, as the individual program is scheduled. In accordance with State law, students must score 80 percent or higher on all tests given in each course and attendance is mandated. Students will wear uniforms and must follow the Police Academy Rules of Conduct.

Police Service Aide Academy Major Code 5271

The Police Service Aide Academy trains students who are civilian employees of law enforcement agencies. A Police Service Aide typically performs police duties that relate to non-criminal activities, such as parking enforcement or traffic accident investigations. The Police Service Aide Academy meets the basic training requirements established by the Florida Criminal Justice Standards and Training Commission. A person must be hired by a law enforcement agency before he/she can be enrolled in the academy. A person who is accepted into the Police Service Aide Academy will take the following post-secondary adult vocational courses.

| | |
|--|------------|
| CJK 0441C Police Service Aide | 110 |
| CJK 0442 Traffic Accident/Crash Investigator | 80 |
| CJK 0451 Parking Enforcement Specialist | 16 |
| Total Clock Hours | 206 |

with State law, students must score 75 percent to successfully complete the Academy. Students must also maintain excellent attendance and cannot miss more than 10 percent of scheduled class sessions. Students will wear uniforms and must follow Police Service Academy Rules of Conduct.

Students attend the Police Service Aide Academy Monday through Friday, 8:00 AM to 5:00 PM for approximately five and half weeks. In accordance

CUSTOMER ASSISTANCE TECHNOLOGY
Vocational Technical Certificate Major Code 5298

Program Description

This vocational certificate program, located at North Campus, prepares students for employment in customer service positions. The content includes the development of interpersonal communications, conflict resolution, leadership, decision-making, problem-solving, supervisory and employability skills; diversity awareness; telephone techniques, and technical applications in the customer care environment.

| | | <i>Clock Hours</i> | | | |
|-----------|--------------------------|---------------------------|---------------------------------|------------------------|-------------------|
| OFT 0010 | Office Skills Training I | 75 | MKA 0047C | Customer Service Rep | 75 |
| OTA 0312 | Office Communications I | 75 | OTA 0002 | Office Support Tech II | 75 |
| MKA 0043C | Customer Assistance I | 75 | <i>Total Clock Hours</i> | | <i>450</i> |
| OTA 0001 | Office Support Tech I | 75 | | | |

DATABASE TECHNOLOGY
Oracle Professional Database Administrator Associate in Science Major Code 21492
Oracle Professional Database Developer Associate in Science Major Code 21134
Microsoft Professional Database Administrator (MCDBA) Option Associate in Science
Major Code 21494
Oracle System Administrator (Database Administrator Option)
Technical Certificate Major Code 62386
Oracle Software Engineering Technical Certificate Major Code 62385

Oracle Professional Database Administrator Associate in Science Major Code 21492

Program Description

The Oracle Professional Database Administrator Associate in Applied Science degree, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as database administrators. It is designed for students seeking to successfully complete the Oracle Certified Professional (OCP) certification in Database Administration.

Students must have college level math placement scores to enroll in this program.

First Year Term I

| | | |
|----------------------------------|--|-----------|
| CEN 1509C | Network ⁺ | 4 |
| *COP 1334C | Intro. to C++ Programming ¹ | 3 |
| *ENC 1101 | Composition I | 3 |
| *MAC 1105 | College Algebra | 3 |
| Total Term Semester Hours | | 13 |

First Year Term II

| | | |
|----------------------------------|---|-----------|
| *CIS 2321 | Systems Development and Design ² | 3 |
| *COP 1337C | Intermediate C++ Programming ² | 3 |
| #Elective | Humanities/Fine Arts | 3 |
| *COP 1341 | UNIX ² | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Intro to Public Speaking | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|--|----------|
| *CIS 2342 | Designing Data Serv/Data Models ² | 3 |
| *COP 2331C | Object-oriented Design and Pro ³ | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|--|-----------|
| *COP 2740C | Intro to Oracle SQL and PL/SQL ⁴ | 4 |
| *COP 2741C | Oracle DBA: Database Admin I ⁵ | 4 |
| *COP 2800C | Programming in Java ³ | 3 |
| *CTS 1112C | Sun: Solaris Sys Administration ⁶ or | |
| *CTS 1111C | Linux ⁶ | 4 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|----------------------------------|---|-----------|
| *COP 2742C | Oracle DBA: Network Admin II ⁷ | 4 |
| *COP 2744C | Oracle DBA: Performance Tuning ⁸ | 4 |
| #Elective | Computer Science | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 14 |
| Total Program Hours | | 63 |

#Any course with a CGS, CIS, CET, COP, CDA, or CEN prefix, except CGS 1000, CGS 1061C, or CGS 1570.

*Requires a pre- or co-requisite. See course description in this catalog or online.

1. College level math placement scores
2. Pre-requisite – COP 1334C
3. Pre-requisite – COP 1337C
4. CIS 2342 and COP 1334C (each with grade of C or higher)
5. Pre-requisite – COP 2740C (with grade of C or higher)
6. Pre-requisite – COP 1341 (with grade of C or higher)
7. Pre-requisite – COP 2741 and COP 1341 (each with grade of C or higher)
8. Pre-requisite – COP 2742C and CTS 1112C or CTS 1111C (each with grade of C or higher)

It is strongly recommended that students see an academic advisor or counselor every term.

Students who test into college preparatory courses must successfully complete all required college preparatory course to qualify for graduation.

Oracle Professional Database Developer Associate in Science Major Code 21134
Program Description

The Oracle Professional Database Developer Associate in Science degree, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as database application developers. It is designed for students seeking to successfully complete the Oracle Certified Professional (OCP) certification in Database Development.

First Year Term I

| | | |
|----------------------------------|--|-----------|
| *COP1334C | Introduction to C++ Programming ¹ | 3 |
| *ENC 1101 | Composition I | 3 |
| GEB 1011 | Introduction to Business | 3 |
| *MAC 1105 | College Algebra | 3 |
| Total Term Semester Hours | | 12 |

First Year Term II

| | | |
|----------------------------------|---|-----------|
| *CIS 2321 | Systems Development and Design ² | 3 |
| *COP 1337C | Intermediate C++ Programming ² | 3 |
| *COP 1341 | UNIX ² | 3 |
| #Elective | Computer Science | 4 |
| SPC 1024 | Intro to Speech Communication or | |
| SPC 1600 | Intro to Public Speaking | 3 |
| Total Term Semester Hours | | 16 |

First Year Term III

| | | |
|----------------------------------|--|----------|
| CIS 2342 | Designing Data Services and Data Models ² | 3 |
| *COP 2331C | Object-oriented Design and Programming ³ | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|---|-----------|
| *COP 2740C | Intro to Oracle: SQL and PL/SQL ⁴ (Session 2) | 4 |
| *COP 2745C | Oracle Developer: Develop PL/SQL Program Units ⁵ (Session 4) ⁴ | |
| #Elective | Computer Science | 4 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|---|-----------|
| *COP 2746C | Oracle Forms: Build Internet Applications ⁶ (Session 2) | 4 |
| *COP 2800C | Programming in Java ³ | 3 |
| #Elective | Computer Science | 4 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 14 |
| Total Program Semester Hours | | 63 |

#Any course with a COP, CDA, CET, CGS, CIS or CEN prefix, except CGS 1000, CGS 1060, CGS 1061C or CGS 1570.

*Requires a pre- or co-requisite or proper score on the placement test. See course description in this catalog or online.

1. College level math placement scores.
2. Pre-requisite – COP 1334C
3. Pre-requisite – COP 1337C
4. Pre-requisite – CIS 2342 and COP 1334C (each with grade of C or higher)
5. Pre-requisite – COP 2740C (with grade of C or higher)
6. Pre-requisite – COP 2745C (with grade of C or higher)

It is strongly recommended that students see an academic advisor or counselor every term.

Microsoft Professional Database Administrator (MCDBA) Option Major Code 21494
First Year Term I

| | | |
|----------------------------------|---|-----------|
| CDA 1403C | PC Support & Service -- Operating Systems (Session 2) | 3 |
| CDA 1302C | PC Support & Service – Hardware ¹ (Session 4) | 3 |
| COP 1334C | Introduction to C++ Programming ² | 3 |
| ENC 1101 | Composition | 3 |
| MAC 1105 | College Algebra | 3 |
| Total Term Semester Hours | | 15 |

Term II

| | | |
|-----------|--|---|
| CEN 1509C | Network+ | 4 |
| CTS 1431C | Microsoft Specialist: Advanced Access or | |
| CGS 1540C | Database Management | 3 |
| CIS 2321 | Systems Design & Development ³ | 3 |

| | | |
|----------------------------------|--|-----------|
| SPC 1024 | Introduction to Speech Communications or | |
| SPC 1600 | Introduction to Public Speaking | 3 |
| Total Term Semester Hours | | 13 |

Term III

| | | |
|----------------------------------|---|----------|
| CEN 1300C | Implementing Microsoft Windows Professional ⁴ | 4 |
| CIS 2342 | Designing Data Services and Data Models ⁵ | 3 |
| Total Term Semester Hours | | 7 |

Second Year, Term I

| | | |
|----------------------------------|---|-----------|
| CEN 1301C | Implementing Microsoft Windows Server ⁶ (Session 2) | 4 |
| CEN 1315C | Implementing Microsoft Windows Network Infrastructure ⁷ (Session 4) | 4 |
| CTS 1433C | Querying Microsoft SQL Server with Transact-SQL ⁸ | 3 |
| Hum / FA | Humanities / Fine Arts Elective | 3 |
| Total Term Semester Hours | | 14 |

| | | |
|-------------------------------------|--|-----------|
| Term II | | |
| CTS 2811C | Administering a Microsoft SQL Server Database ⁹ | 4 |
| CTS 2434C | Programming a Microsoft SQL Server Database ¹⁰ | 4 |
| CS Elective | Computer Science Elective* | 3 |
| Soc / Beh | Social / Behavioral Science Elective | 3 |
| Total Term Semester Hours | | 14 |
| Total Program Semester Hours | | 63 |

*Any course with a CDA, CEN, CET, CGS, CIS, or COP prefix, except CGS1000, CGS1060, CGS1061C, or CGS1570

1. Prerequisite – CDA 1403C (with a grade of C or higher)
2. Prerequisite – MAT 1033 or MTB 1310
3. Prerequisite – COP 1334C
4. Prerequisite – CDA 1403C; Corequisite – CDA 1302C (each with a grade of C or higher)

5. Prerequisite – CIS 2321 (with a grade of C or higher)
6. Prerequisites – CDA 1403C and CDA 1302C and CEN 1300C (each with a grade of C or higher)
7. Prerequisites – CDA 1403C and CDA 1302C and CEN 1300C and CEN 1301C (each with a grade of C or higher)
8. Prerequisites – CIS 2342 and CGS 1540C (each with a grade of C or higher)
9. Prerequisites – CEN 1301C and CTS 1433C (each with a grade of C or higher)
10. Prerequisite – CTS 1433C (with a grade of C or higher)

**Oracle Systems Administrator Technical Certificate Major Code 62386
(Database Administrator Option)**

Program Description

This A. Hugh Adams Central Campus Program is designed for students seeking to successfully complete Oracle Certified Professional (OCP) certification in Database Administration. The student who enrolls in this program must have mathematics placement core above MAT 1033.

| | | |
|-------------------------------------|---|-----------|
| CEN 1509C | Network+ | 4 |
| *COP 1334C | Intro. to C++Programming ¹ | 3 |
| *CIS 2342 | Designing Data Serv. and Data Models ² | 3 |
| *COP 1341 | UNIX ² | 3 |
| *CTS 1112C | Sun: Solaris System Admin. I ³ or | |
| *CTS 1111C | Linux | 4 |
| *COP 2740C | Intro to Oracle SQL and PL/SQL ⁴ | 4 |
| *COP 2741C | Oracle DBA: Database Admin. I ⁵ | 4 |
| *COP 2742C | Oracle DBA: Database Admin. II ⁶ | 4 |
| *COP 2744C | Oracle DBA: Performance Tuning ⁷ | 4 |
| Total Program Semester Hours | | 33 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

1. Pre-requisite – MAT 1033 with grade of “C” or higher or appropriate placement score

2. Pre-requisite – COP 1334C
3. Pre-requisite – COP 1341 (with grade of C or higher)
4. Pre-requisites – COP 1334C and CIS 2342 (each with a grade of C or higher)
5. Pre-requisite – COP 2740C (with grade of C or higher)
6. Pre-requisites – COP 2741C and COP 1341 (each with a grade of C or higher)
7. Pre-requisites – COP 2742C and (COP 1343C or CEN 1880C) each with a grade of C or higher)

It is strongly recommended that students see an academic advisor or counselor every term.

**Oracle Software Engineering Technical Certificate Major Code 62385
(Database Developer Option)**

Program Description

This A. Hugh Adams Central Campus program is designed for students seeking to successfully complete the Oracle Certified Professional (OCP) certification in Database Development. The student who enrolls in this program must have mathematics placement core above MAT 1033.

| | | | | | |
|------------|---|---|------------|---|---|
| *COP 1334C | Intro. To C++Programming ¹ | 3 | *COP 1341 | UNIX ² | 3 |
| *CIS 2321 | Systems Development and Design ² | 3 | *COP 2740C | Intro to Oracle SQL and PL/SQL ⁴ | 4 |
| *CIS 2342 | Designing Data Serv. and Data Models ² | 3 | *COP 2745C | Oracle Developer: Develop PL/SQL Program Units ⁵ | 4 |
| *COP 1337C | Intermediate C++ Programming ² | 3 | *COP 2746C | Oracle Developer: Build internet Applications ⁶ | 4 |
| *COP 2331C | Object-Oriented Design and Prog. ³ | 3 | | | |

*COP 2800C Programming in Java³ 3
Total Program Semester Hours 33

*Requires a pre- or co-requisite or proper placement score on the placement test. See course description in this catalog or online.

1. Pre-requisite – MAT 1033 with grade of “C” or higher or appropriate placement score
2. Pre-requisite – COP 1334C
3. Pre-requisite - COP 1337C
4. Pre-requisite – COP 1334C and CIS 2342 (each with a grade of C or higher)
5. Pre-requisite – COP 2740C (with a grade of C or higher)
6. Pre-requisite – COP 2745C (with a grade of C or higher)

It is strongly recommended that students see an academic advisor or counselor every term.

DENTAL HYGIENE
Associate in Science Major Code 2145

Program Description

The Dental Assisting/Hygiene Program is a two-phase curriculum that gives the student two career options. This career ladder curriculum was designed to offer students employable skills as a dual trained dental auxiliary. You must first complete the 10 month American Dental Association accredited Dental Assisting Program. 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 Program and the appropriate course pre-requisites, the CDA student may apply to continue to the 12 month Dental Hygiene Program. The student has up to three years to apply to this program. Students in the Dental Hygiene Program will be qualified to take the Dental Hygiene National Board and upon graduation the State Board examination. Upon passing both examinations, the graduate is licensed as a Registered Dental Hygienist (RDH) in the State of Florida.

The Dental Hygiene Program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and by the United States Department of Education.

Admission information can be obtained at 954-201-6735. Applicants should call the associate dean at (954) 201-6904 for additional information. Program is offered at Health Sciences, A. Hugh Adams Central Campus.

Criteria for Admission to the Dental Hygiene Program Associate in Science Degree:

- Applicants must fulfill the requirements for admission to the Health Science Programs. See page 32.
- Students must have completed all College Preparatory courses.
- Minimum grade of "C" or higher for all postsecondary adult vocational and college degree courses with a minimum 2.5 degree GPA, effective for Fall 2006 class.
- Applicant must be a graduate within the past 3 years from a Dental Assisting program accredited by the Commission on Dental Accreditation of the American Dental Association.
- The applicant who has completed all pre-requisite Dental Hygiene general education courses with a "C" or higher and has successfully completed an accredited Dental Assisting Program within the current academic year, but has not received national certification as a Dental Assistant (CDA) may submit an application to the program. A copy of the Dental Assisting National Board Certificate must be submitted prior to admission to the program. Failure to do so shall result in loss of the applicant's admission status and require re-application to the program.
- Applicant must show verification of current CPR (BCLS) Certification.
- Complete the following pre-requisite courses with a grade of "C" or higher:

| | | |
|-----------|-------------------------------|---|
| BSC 1085 | Anatomy and Physiology I | 3 |
| BSC 1085L | Anatomy and Physiology I Lab | 1 |
| CHM 1033 | Chemistry for Health Sciences | 3 |

Requirements for the Associate in Science Degree in Dental Hygiene:

- Completion of 88 semester hours with a degree grade point average of 2.0 or higher.
- Completion 20 clock hours of course work through the Continuing Education for Health Related Professions Department (954) 201-6768 within one of year of entering the program. These 20 clock hours include: CAE 0382, AIDS; CAE 0476, TB/OSHA; CAE 0299, CPR; CAE 0474, Domestic Violence and CAE0528, Medical Errors.
- Completion of all courses in the degree program with a grade of "C" or higher.
- Completion of an ADA accredited Dental Assistant Program will provide credits in the following courses (an experiential learning fee will be charged):

| | | | | | |
|-------------|---------------------------------------|-----------|--|---------------------------------------|---|
| DES 1021 | Dental Anatomy and Physiology | 3 | Complete the following general education courses: | | |
| DES 1100 | Dental Materials | 2 | PSY 2012 | General Psychology | 3 |
| DES 1100L | Dental Materials Lab | 1 | SYG 2000 | Principles of Sociology | 3 |
| DES 1200 | Dental Radiography | 2 | *BSC 1086 | Anatomy and Physiology II | 3 |
| DES 1200L | Dental Radiography Lab | 1 | *BSC 1086L | Anatomy and Physiology II Lab | 1 |
| DES 1840 | Preventive Dentistry | 2 | *MCB 2013 | Microbiology | 3 |
| DES 1830 | Expanded Functions I | 3 | *MCB 2013L | Microbiology Lab | 1 |
| DES 1831 | Expanded Function II | 1 | Elective | Humanities (with writing requirement) | 3 |
| ***ENC 1101 | Composition I | 3 | | | |
| ***SPC 1024 | Introduction to Speech Communications | 3 | *#CHM 1033 | Chemistry for Health Sciences | 3 |
| | | | *#BSC 1085 | Anatomy and Physiology I | 3 |
| | Total Semester Hours | 21 | *#BSC 1085L | Anatomy and Physiology I Lab | 1 |

| | | |
|-----------------------------|-------------------------|-----------|
| CGS 1061C | Computer Concepts | 1 |
| HUN 1202 | Essentials of Nutrition | 3 |
| Total Semester Hours | | 28 |

Complete the following Dental Hygiene Courses:

| | | |
|--------------|------------------------------------|---|
| ***DEH 1003 | Preclinical Dental Hygiene I | 2 |
| ***DEH 1003L | Preclinical Dental Hygiene I Lab | 3 |
| ***DEH 1800 | Dental Hygiene I | 2 |
| ***DEH 1800L | Dental Hygiene I Clinic | 2 |
| ***DEH 1802 | Dental Hygiene II | 4 |
| ***DEH 1802L | Dental Hygiene II Clinic | 3 |
| ***DES 1051 | Pain Control and Dental Anesthesia | 1 |
| ***DEH 1130 | Oral Histology and Embryology | 2 |
| ***DEH 1602 | Periodontology | 3 |
| ***DES 2050 | Dental Pharmacology | 2 |
| ***DEH 2400 | General and Oral Pathology | 2 |
| ***DEH 2701 | Community Dental Health | 2 |
| ***DEH 2701L | Community Dental Health Lab | 1 |

| | | |
|-------------------------------------|---------------------------|-----------|
| **DEH 2804L | Dental Hygiene III Clinic | 4 |
| **DEH 2806 | Dental Hygiene IV | 2 |
| **DEH 2806L | Dental Hygiene IV Clinic | 4 |
| Total Semester Hours | | 39 |
| Total Program Semester Hours | | 88 |

*Requires a pre- or co-requisite. See the course description in this catalog or online.

**Requires all pre-requisite and general education courses be completed prior to taking this course.

***Students who have not completed ENC 1101 or SPC 1024 in their Dental Assisting Certificate Program shall be required to enroll in these courses prior to entering the Dental Hygiene Program.

#Pre-requisite course for entry to the program.

It is strongly recommended that students see an academic advisor or counselor every term.

DIAGNOSTIC MEDICAL SONOGRAPHY TECHNOLOGY (ULTRASOUND)

Associate in Applied Science Major Code A012

Associate in Science Major Code 2176

Technical Certificate Major Code 6230

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. The Diagnostic Medical Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, FL, 33756, Phone (727) 210-2350, upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography.

Clinical education is performed in local clinics and hospitals and is offered concurrently with the didactic courses. On completion of the 24-month program, students will be eligible to write the exams of the American Registry of Diagnostic Medical Sonographers.

Applicants should call 954-201-2058 or 6111 or 2890 for all admissions related questions. Applicants should call the program manager at (954) 201-2089 for specific program information. All didactic courses are taught in Bldg 41, Broward Community College, North Campus, 1000 Coconut Creek Boulevard, Coconut Creek Florida.

Criteria for Admission to Diagnostic Medical Sonography Technology Associate in Applied Science Degree and Associate in Science Degree:

- Applicants must complete requirements for admission to Health Science Programs
- Applicant must be a graduate of an accredited two-year Radiography Program which leads to registration and/or licensure. Applicants who have a minimum of a two-year patient care related Health Science Degree and are certified and/or licensed in the degree of specialization are also welcome to apply. Preference is given to Registered Radiographers.
- A minimum 3.0 Degree GPA is required. Applicants with less than a 3.0 but who have a 2.8 or above may petition the department for an exception.

Requirements for the Associate in Applied Science in Diagnostic Medical Sonography:

- Completion of 72 semester hours with a grade point average of 2.0 or higher.
- Completion of all courses in the degree program with a grade of "C" or higher

Diagnostic Medical Sonography Associate in Applied Science Major Code A012

First Year-Summer Session Term III

| | | |
|----------------------------------|---|----------|
| SON 1170 | Sonography of the Circulatory System | 2 |
| SON 1100 | Principles and Protocols of Sonographic Imaging | 3 |
| Total Term Semester Hours | | 5 |

Term I, Fall Term, First Year

| | | |
|----------------------------------|-----------------------------------|-----------|
| *SON 1211 | Medical Sonographic Physics I | 3 |
| *SON 1111 | Abdominal Sonography I | 3 |
| *SON 1121 | OB/GYN Sonography I | 3 |
| *SON 1214 | Practical Aspects of Sonography I | 3 |
| *SON 1804 | Clinical Education | 3 |
| Total Term Semester Hours | | 15 |

Term II, Spring Term, First Year

| | | |
|----------------------------------|------------------------------------|-----------|
| *SON 1212 | Medical Sonographic Physics II | 3 |
| *SON 1112 | Abdominal Sonography II | 3 |
| *SON 1122 | OB/GYN Sonography II | 3 |
| *SON 1215 | Practical Aspects of Sonography II | 3 |
| *SON 1814 | Clinical Education | 3 |
| Total Term Semester Hours | | 15 |

Term III, Summer Term, Second Year

| | | |
|----------------------------------|------------------------|----------|
| *SON 1141 | Small Parts Sonography | 3 |
| *SON 1824 | Clinical Education | 4 |
| Total Term Semester Hours | | 7 |

Abdomen, and Physics and Instrumentation and receive a certificate of completion. See section on Diagnostic Medical Sonography Certificate.

Term I, Fall Term, Second Year

| | | |
|----------------------------------|--------------------------------|-----------|
| ENC 1101 | Composition I | 3 |
| CGS 1061C | Computer Concepts | 1 |
| *SON 2400 | Echocardiography I | 3 |
| *SON 2834 | Clinical Education | 3 |
| SPC 1600 | Public Speaking or | |
| SPC 1024 | Intro to Speech Communications | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 16 |

Term II, Spring Term, Second Year

| | | |
|-------------------------------------|-------------------------------|-----------|
| Elective | Humanities | 3 |
| *SON 2161 | Neonatal Neurosonology | 2 |
| *SON 2401 | Echocardiography II | 3 |
| *MTB 1310 | Applied Mathematics or | |
| *MAT 1033 | Intermediate Algebra | 3 |
| *SON 2844 | Clinical Education | 3 |
| Total Term Semester Hours | | 14 |
| Total Program Semester Hours | | 72 |

*Requires a pre- or co-requisite. Refer to the course descriptions found in this catalog or online.

Completion of the above listed courses qualifies the student to write the ARDMS Examinations in OB/GYN,

It is strongly recommended that students see an academic advisor or counselor every term

Diagnostic Medical Sonography Technology (Ultrasound) Associate in Science Major Code 2176

Students seeking an Associate in Science degree for the purpose of transferring into a state university shall substitute MTB 1310, Applied Mathematics or MAT 1033, Intermediate Algebra requirement in the Associate in Applied Science degree with MAC 1105 College Algebra or higher level mathematics course or any College Level Science Course.

General Sonography Specialist (Ultrasound) Technical Certificate Major Code 6230

Program Description

The General Sonography Specialist Technical Certificate Program prepares individuals for an exciting career as a Sonographer. Students perform clinical practice in local hospitals and clinics utilizing a variety of equipment to become proficient in producing diagnostic sonograms.

The Diagnostic Medical Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, Florida 33756 Phone (727) 210-2350, upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography.

Applicants should call the program manager at (954) 201-2089 for specific program information. Applicants should call 954-201-2058 or 2890 for all admissions related questions. All didactic courses are taught in Bldg 41, Broward Community College, North Campus, 1000 Coconut Creek Blvd., Coconut Creek Florida. Criteria for Admission to General Sonography Specialist-Technical Certificate:

- Applicants must fulfill the general requirements for admission to Health Science Programs
- Applicant must be a graduate of an accredited two-year Radiography Program which leads to registration and/or licensure. Applicants who have a minimum of a two-year patient care related Health Science Degree and are certified and/or licensed in the degree of specialization are also welcome to apply. Preference is given to Registered Radiographers. A minimum 3.0 degree GPA is required. Applicants with less than a 3.0 but who have a 2.8 or above may petition the department for an exception.

Requirements for the General Sonography Specialist-Technical Certificate:

- Completion of 42 semester hours with a grade point average of 2.0 or higher.
- Completion of all courses in the certificate with a grade of "C" or higher.
- Completion of the following courses (the program is sequential and full time):

Summer Term III

| | |
|---|----------|
| SON 1100 Principles and Protocols | 3 |
| SON 1170 Sonography of the Circulatory System | 2 |
| Total Term Semester Credits | 5 |

First Year, Term I

| | |
|---|-----------|
| *SON 1211 Medical Sonographic Physics I | 3 |
| *SON 1111 Abdominal Sonography I | 3 |
| *SON 1121 OB/GYN Sonography I | 3 |
| *SON 1214 Prac. Aspects of Sonography I | 3 |
| *SON 1804 Clinical Education | 3 |
| Total Term Semester Credits | 15 |

First Year, Term II

| | |
|--|-----------|
| *SON 1212 Medical Sonographic Physics II | 3 |
| *SON 1112 Abdominal Sonography II | 3 |
| *SON 1122 OB/GYN Sonography II | 3 |
| *SON 1215 Prac. Aspects of Sonography II | 3 |
| *SON 1814 Clinical Education | 3 |
| Total Term Semester Credits | 15 |

First Year, Term III

| | |
|---|-----------|
| *SON 1141 Small Parts Sonography | 3 |
| *SON 1824 Clinical Education | 4 |
| Total Term Semester Credits | 7 |
| Total Certificate Semester Hours | 42 |

Completion of the above listed courses qualifies the student to write the ARDMS Examinations in OB/GYN, Abdomen, and Physics and Instrumentation.

*Requires a pre- or co-requisite or proper score on placement test. Refer to the course descriptions found in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

DIGITAL MEDIA/MULTIMEDIA TECHNOLOGY

Digital Media/Multimedia Technology Associate in Applied Science Major Code A018
Digital Media/Multimedia Production Technical Certificate Major Code 6286
Multimedia Web Development Advanced Technical Certificate Major Code 4278
Project Manager in Digital/Design Technology Advanced Technical Certificate Major Code 4279

Digital Media/Multimedia Technology Associate in Applied Science Major Code A018

Program Description

The Digital Media/Multimedia Technology Associate in Applied Science Degree, offered at South Campus, is designed to prepare students to enter the emerging field of multimedia as a Multimedia Production Specialist.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| CSG 1100 | Introduction to Computer Applications | 3 |
| OST 1841 | Instructional Design for Multimedia | 3 |
| GRA 1721C | Web Programming | 3 |
| GRA 1131C | App. Graphics for Multimedia | 3 |
| Total Term Semester Hours | | 15 |

| | | |
|----------------------------------|---------------------------|-----------|
| Elective | Social/Behavioral Science | 3 |
| #Elective | Multimedia | 3 |
| *CGS 2874C | Multimedia Authoring II | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---------------------------------|-----------|
| CGS 1557C | Internet Site Design | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| CGS 2871C | Multimedia Authoring | 3 |
| PGY 2850C | Digital Video/Audio | 3 |
| OST 2826C | Presentation Graphics | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|-------------------------------|-----------|
| *OST 2945 | Multimedia Project Management | 3 |
| *OST 2940L | Multimedia Practicum | 4 |
| GRA 2161C | Adv. Image Editing | 3 |
| CGS 2877C | Web Animation | 3 |
| Total Term Semester Hours | | 13 |
| Total Program Semester Hours | | 64 |

Term III, Session I or Session II

| | | |
|----------------------------------|----------------------|----------|
| Elective | Humanities/Fine Arts | 3 |
| #Elective | Multimedia | 3 |
| Total Term Semester Hours | | 6 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

#Multimedia Elective-choose two of the following courses:

| | | |
|-----------|------------------------------|---|
| OST 1811C | Desktop Publishing | 3 |
| OST 2825C | Document Design | 3 |
| GRA 2152C | Adv. Digital Image Design | 3 |
| GRA 2162C | Introduction to 3D Animation | 3 |

Second Year Term I

| | | |
|------------|----------------------|---|
| *GRA 2160C | Multimedia Animation | 3 |
| Elective | Mathematics/Science | 3 |

It is strongly recommended that students see an academic advisor or counselor every term.

Digital Media Web Production Technical Certificate Major Code 6286

Program Description

This program is designed to prepare students for initial employment as Web production assistants. Web production artists, or to provide supplemental training for those already employed in the field. This basic-to-intermediate certificate provides students with the computer, digital media, and graphic production skills needed to create web sites.

| | | |
|-----------|------------------------------|---|
| GRA 1721C | Web Programming | 3 |
| GRA 1131C | App. Graphics for Multimedia | 3 |
| CGS 1557C | Internet Site Design | 3 |
| CGS 2877C | Web Animation | 3 |

| | | |
|---|------------------------|-----------|
| Select one from the following two courses: | 3 | |
| GRA 2161C | Advanced Image Edition | 3 |
| OST 2826C | Presentation Graphics | 3 |
| Total Program Semester Hours | | 15 |

Multimedia Web Development Advanced Technical Certificate Major Code 4278

Program Description

The courses in Multimedia Web Development are offered on Judson A. Samuels South Campus to graduates of Multimedia Technology A.S. degree who require additional coursework to be employed in Internet positions. An Advanced Technical Certificate in Multimedia Web Development will be awarded after a minimum of 18 credit hours are completed from the following courses:

Select 18 Credits of the Following:

| | | |
|-----------|-------------------------------|---|
| CGS 1540C | Database Management | 3 |
| GRA 2724C | Advanced Web Animation | 3 |
| GRA 2134C | Advanced Multimedia Animation | 3 |
| CGS 2872C | Streaming Media for a the Web | 3 |
| COP 2801C | JavaScripting | 3 |

| | | |
|--|----------------------------|---|
| CGS 2554C | E-Commerce Web Development | 3 |
| GRA 2723C | Adv. Web Site Design | 3 |
| *Requires a pre-requisite. See course description in this catalog or online. | | |

Digital Media/Multimedia Production Technical Certificate Major Code 6287

This program is designed to prepare students for initial employment as Digital Media/Multimedia Production Technician or Digital Media/Multimedia Developer, or to provide supplemental training for those already employed in the field. This basic-to-intermediate certificate provides students with the computer, production, and digital media skills needed to create digital media/multimedia projects.

| | | |
|-------------------------------------|-------------------------------------|-----------|
| GRA 1131C | App. Graphics for Multimedia | 3 |
| OST 1841 | Instructional Design for Multimedia | 3 |
| PGY 2850C | Digital/Video/Audio Editing | 3 |
| CGS 2871C | Multimedia Authoring I | 3 |
| GRA 2160C | Multimedia Animation | 3 |
| Total Program Semester Hours | | 15 |

Project Manager in Digital/Design Technology Advanced Technical Certificate Major Code 4279

Program Description

The Project Manager in Digital/Design Technology Advanced Technical Certificate, offered at South Campus, is designed for those with an AS/AA or higher degree who wish to advance in digital/design technology fields as project managers. Students in this program will gain a comprehensive understanding of the nature of project management and leadership techniques.

| | | |
|-------------------------------------|----------------------------------|-----------|
| CGS 1577C | Presentation Systems | 3 |
| GRA 2143C | Web Publishing II | 3 |
| GRA 2403 | Principles of Project Management | 3 |
| GRA 2404C | Project Management II | 3 |
| Total Program Semester Hours | | 12 |

If you have not already taken these courses, it is strongly recommended that you take the following courses to enhance your skills:

| | | |
|----------|--|---|
| SPC 2300 | Intro to Interpersonal Communication | 3 |
| INP 1301 | Human Relations in Business and Industry | 3 |

EARLY CHILDHOOD EDUCATION
Associate in Science Major Code 2166

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 in Science degree combines classroom and field experience to give the student the necessary background for success in the job market. Course work provides graduates with the ability to design an effective educational curriculum, manage children in a classroom setting, supervise early childhood personnel, and efficiently administer childcare business operations. This program is offered at North Campus; general education courses are taught at all BCC locations.

General Education Courses

| | |
|--|-----------|
| CGS 1061C Computer Concepts | 1 |
| *ENC 1101 English Composition | 3 |
| *ENC 1102 Composition II or | |
| *ENC 2210 Technical Report Writing | 3 |
| SPC 1024 Introduction to Speech Communications | 3 |
| PSY 2012 General Psychology | 3 |
| DEP 2002 Child Psychology | 3 |
| Elective Social/Behavioral Science | 3 |
| Elective Humanities/Fine Arts | 3 |
| Elective Science | 3 |
| Elective Science Lab | 1 |
| Elective (Area 5) | 3 |
| ⁽¹⁾ Electives | 6 |
| HSC 1101C Healthful Living | 1 |
| Total Semester Hours | 36 |

Early Childhood Education Courses

| | |
|--|---|
| EEC 1200 Early Childhood Education | 3 |
| EEC 1603 Child Guidance | 3 |
| CHD 1338 Mathematics and Science for the Young Child | 3 |
| CHD 1334 Children's Literature Language Arts | 3 |

| | |
|---|-----------|
| CHD 1940 Practicum I: Observation and Evaluation | 3 |
| CHD 1331 Creativity for Young Children | 3 |
| CHD 1320 Curriculum Planning for Early Childhood | 3 |
| *CHD 2441 Practicum II | 3 |
| CHD 2800 Administration and Management in Early Childhood Education | 3 |
| Total Semester Hours | 27 |
| Total Program Semester Hours | 63 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

(1) Electives: (Any college level courses, including Technical Education courses).

Students must fulfill a mathematics competency exit requirement through placement test or coursework.

Early Childhood Education courses do not have to be taken in any sequence.

It is strongly recommended that students see an academic advisor or counselor every term.

ELECTRONIC COMMERCE
Electronic Commerce Associate in Applied Science Major Code A0171
Electronic Commerce Certificate Major Code 6278

Electronic Commerce Associate in Applied Science Major Code A0171

Program Description

The Electronic Commerce (E-Commerce) Program is designed to introduce students to all aspects involved in the management of an E-Commerce business via the internet. Students will examine the marketing, merchandising, customer service, payment, internalization, shipping, inventory, and legal aspects of Electronic Commerce. Upon successful completion of CGS designated courses the student is eligible to sit for exams which can lead to certificates in CompTIA-Net + and CIW E-Commerce Strategies and Practices. For more information, please contact Business Administration Department Chair at your nearest BCC Campus:

Central Campus (954) 201-6710
 South Campus (954) 201-8933
 North Campus (954) 2012360

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| MAR1011 | Principles of Marketing | 3 |
| MNA 1821C | Introduction to E-Commerce | 3 |
| *ENC 1101 | Composition 1 | 3 |
| MAN 2021 | Introduction to Management | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|--|-----------|
| *MNA 1822C | Management of E-Commerce | 3 |
| CSG 1601C | I-Net+ | 4 |
| MNA 1161 | Introduction to Customer Service | 3 |
| ACG 2001 | Principles of Accounting | 3 |
| SPC 1024 | Introduction to Speech Communication or | 3 |
| SPC 1600 | Introduction to Public Speaking | 3 |
| Total Term Semester Hours | | 16 |

Second Year Term I

| | | |
|--|--|-----------|
| * ECO 2013 | Principles of Economics I | 3 |
| *MNA 2823C | E-Commerce Case Studies | 3 |
| *CGS 2172 | CIW: E-Commerce Strategies and Practices I | 3 |
| Business Elective (choose one) | | 3 |
| *ACG 2011 | Principles of Accounting II | |
| ACG 2071 | Managerial Accounting | |
| BUL 2241 | Business Law | |
| *ECO 2023 | Principles Economics II | |
| *ECO 2220 | Money and Banking | |
| MKA 1511 | Advertising | |
| MKA 2102 | Retailing | |
| MKA 2141 | Salesmanship | |
| MAR 2141 | International Marketing | |
| FIN 1100 | Personal Finance | |
| Total Term Semester Hours | | 12 |

Second Year Term II

| | | |
|----------------------------------|------------------------------------|-----------|
| Elective | Mathematics or Science | 3 |
| | MAT 1033 Intermediate Algebra | |
| | MTB 1310 Applied Mathematics | |
| | MAC 1105 College Algebra or | |
| | Any three credit Science Course | |
| Elective | Humanities/Fine Arts Elective | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| Business Elective (Choose One) | | 3 |
| *ACG 2011 | Principles of Accounting II | |
| ACG 2071 | Managerial Accounting | |
| BUL2241 | Business Law | |
| *ECO 2023 | Principles Economics II | |
| *ECO 2220 | Money & Banking | |
| MKA 1511 | Advertising | |
| MKA 2102 | Retailing | |
| MKA 1021 | Salesmanship | |
| MAR 2141 | International Marketing | |
| FIN 1100 | Finance | |
| Total Term Semester Hours | | 12 |

Third Year Term I

| | | |
|--|---|-----------|
| *MNA 2824 | E-Commerce Practicum | 3 |
| *CSG 2173C | CIW: E-Commerce Strategies & Practices II | 4 |
| GEB 2430 | Business Ethics | 1 |
| Business Elective (choose one) | | 1 |
| GRA 1491C | Graphic Design Industry | |
| HSC 1101C | Introduction to Healthful Living | |
| OST 1103 | Basic Keyboarding | |
| OST 2053 | Successful Job Search | |
| OST 1795 | Telecommunications | |
| Total Term Semester Hours | | 9 |
| Total Program Semester Hours | | 64 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor each term.

Electronic Commerce Technical Certificate Major Code 6278
Program Description

The Electronic Commerce (E-Commerce) Certificate Program is designed for students who have successfully completed any of Broward Community College's Business Degree programs including certificates. This certificate is for the student who wishes to broaden or enhance their business knowledge to include the management of an E-Commerce business via the internet and is designed to be completed in one year. Upon successful completion of CGS designated courses the student is eligible to sit for exams which can lead to certificates in CompTIA-NET + and CIW E-Commerce Strategies and Practices. For more information, please contact the Business Administration Associate Dean at your nearest BCC Campus.

Central Campus 954 -201-6710

South Campus 954-201-8933

North Campus 954-201-2360.

| | | |
|----------------------------------|--------------------------------|----------|
| CGS 1100 | Intro to Computer Applications | 3 |
| MAR1011 | Principles of Marketing | 3 |
| MNA 1821 C | Introduction to E-Commerce | 3 |
| Total Term Semester Hours | | 9 |

First Year Term II

| | | |
|----------------------------------|----------------------------------|-----------|
| *MNA 1822C | Management of E-Commerce | 3 |
| CGS 1601C | I-Net + | 4 |
| MNA 1161 | Introduction to Customer Service | 3 |
| Total Term Semester Hours | | 10 |

Second Year Term III

| | | |
|---|--|---|
| *MNA 2823C | E-Commerce Case Studies | 3 |
| *CGS 2172 | CIW: E-Commerce Strategies and Practices I | 3 |
| Business Elective (choose one .) | | 3 |
| BUL 2241 | Business Law | |
| MAN 2021 | Introduction to Management | |
| MAR 2141 | International Marketing | |
| MKA 1511 | Advertising | |
| MKA 2102 | Retailing | |

| | | |
|----------------------------------|------------------|----------|
| MKA 1021 | Salesmanship | |
| FIN 1100 | Personal Finance | |
| Total Term Semester Hours | | 9 |

Second Year Term IV

| | | |
|-------------------------------------|---|-----------|
| *MNA 2824C | E-Commerce Practicum | 3 |
| *CGS 2173C | CIW: E-Commerce Strategies and Practices II | 4 |
| GEB 2430 | Business Ethics | 1 |
| Total Term Semester Hours | | 8 |
| Total Program Semester Hours | | 36 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor each term.

ELECTRONICS ENGINEERING TECHNOLOGY
Associate in Applied Science Major Code A013

Program Description

This program, offered at the North Campus, prepares students to work as engineering assistants, field service technicians, and as research assistants. This program transfers directly to Nova Southeastern University. This degree may transfer to those upper level institutions offering BET and BSET degrees. Students should consult the colleges to which they wish to transfer. This program was awarded the Secretary of Education's Award for the most outstanding technical program in the ten state region of the southeastern United States.

First Year Term I

| | | |
|----------------------------------|---------------------------------|-----------|
| *EET 1015C | DC Circuits | 5 |
| CET 1114C | Digital Techniques | 5 |
| *MTB 1325 | Engineering Tech. Mathematics I | 4 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|----------------------------------|-----------|
| *EET 1025C | AC Circuits | 5 |
| *EET 1141C | Linear Techniques I | 5 |
| *MTB 1326 | Engineering Tech. Mathematics II | 4 |
| Total Term Semester Hours | | 14 |

First Year Term III

| | | |
|----------------------------------|---------------------------------|-----------|
| *CET 1317C | Technical Computer Applications | 3 |
| *CET 1123C | Microprocessors I | 4 |
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 10 |

Second Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| *CET 2131C | Microprocessors II | 4 |
| *EET 2142C | Linear Techniques II | 4 |
| *EET 2355C | Data Communications | 3 |
| *SPC 1024 | Introduction to Speech Communications | 3 |
| Total Term Semester Hours | | 14 |

Second Year Term II

| | | |
|-------------------------|---------------------------|---|
| *EET 2326C | Electronic Communications | 4 |
| ⁽¹⁾ Elective | Field Elective | 3 |
| ⁽¹⁾ Elective | Field Elective | 3 |
| Elective | Social/Behavioral Science | 3 |
| Elective | Humanities/Fine Arts | 3 |

Total Term Semester Hours 16

Total Program Semester Hours 68

(1) Field Electives – students are to select two of the following courses consistent with their career goals: Any course with prefix EET or CDA 1403C, *CDA 1302C, CET 2489C, *CET 2494C, CGS 2263, COP 1334C, *COP 1341, *COP 2171C, ETD 1320, *ETD 2350C. The total of this area must be a minimum of 6 credits.

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

Technical courses should be taken in the sequence and term suggested unless approved by the Department Head.

This program of study applies to students who enroll in Broward Community College for the first time during the 2005-06 academic year. Other students should refer to their applicable catalog.

It is strongly recommended that students see an academic advisor or counselor every term.

EMERGENCY MEDICAL SERVICES PROGRAMS
Emergency Medical Technician Applied Technology Diploma Major Code B003
Paramedic Technical Certificate Major Code 6208
Emergency Medical Services - Associate in Science Major Code 2160

Program Description

Broward Community College has developed a three stage program in Emergency Medical Services to meet the needs of the community. The Applied Technology Diploma for the EMT and the Technical Certificate for the Paramedic are included in the two-year Associate in Science Degree Program. Satisfactory completion of the EMT Technical Certificate will enable the student to take the Florida State EMT Examination. Satisfactory completion of the advanced courses in the Paramedic Technical Certificate Program will enable students to take the Florida State Paramedic Examination. Those desiring an Associate in Science degree may elect to take additional general academic and specialized EMS courses.

This program is accredited by the Joint Review Committee on Education Programs for the EMT-Paramedic.

Applicants should call (954) 201-6920 for additional information. These programs are offered at Health Sciences, Central and North Campuses.

Criteria for Admission to EMT Applied Technology Diploma, Paramedic Technical Certificate and A.S. Degree Programs:

Applicants to the Emergency Medical Services Programs must fulfill the general requirements for admission to the College and complete the application process for the Emergency Medical Services Department. The selection of students is based upon the students meeting the Health Science Admission Requirements and Procedures and the following additional factors:

- Freedom from any physical or mental defects or diseases, which might impair candidate's ability to perform duties.
- Freedom from any addiction to alcohol or any controlled substance

Enrollment in all EMS courses is limited. Courses may not be audited if State certificate is contemplated, since a grade of "C" or higher is required. All admission requirements are based on the eligibility requirements of the State of Florida to take the certification examination

Emergency Medical Technician Applied Technology Diploma Major Code B003

Criteria for Admission to EMT Applied Technology Diploma Program:

A priority for admission into the EMT Applied Technology Program is given to the following individuals who serve in a "first response" capacity:

- Fire Department Personnel
- Ambulance Personnel
- Police Personnel
- Lifeguard Personnel
- EMS Personnel

All other interested individuals will be admitted based upon date of application and space availability.

Requirements for EMT-Applied Technology Program:

- Completion of 11 semester hours with a grade of "C" or higher in all EMS courses listed below.

| | | |
|-----------------------------|-------------------------------------|-----------|
| EMS 1119 | Emergency Medical Technician, Basic | 6 |
| *EMS 1119L | EMS Skills Lab | 1 |
| *EMS 1411 | Hospital Clinical | 2 |
| *EMS 1421 | Field Clinical | 2 |
| Total Semester Hours | | 11 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

Paramedic Technical Certificate Major Code 6208

Applicants should call (954) 201-6920 for additional information. Program is offered at Health Sciences, Central and North.

Criteria for Admission to the Paramedic-Technical Certificate Program:

- A priority for admission into the Paramedic Technical Certificate Program is given to individuals who serve in a "first response" capacity, such as Fire Department, Ambulance, and Public Safety personnel. All other interested individuals will be admitted based on date of application and space availability.
- Successfully complete an EMT Program as verified by a program Completion Certificate in order to enter the Paramedic Program.
- **An EMT state certificate is required in order to enter the Paramedic II sequence of courses.**

Term I

| | | |
|----------------------------------|-------------------------------------|----------|
| EMS 2010 | Body Systems for the Paramedic | 3 |
| *EMS 2631 | Paramedic Science I – Lecture | 3 |
| *EMS 2631L | Paramedic Science I – Skills Lab | 1 |
| *EMS 2650 | Paramedic Science I, Field Clinical | 1 |
| Total Term Semester Hours | | 8 |

Term II

| | | |
|----------------------------------|--|-----------|
| ⁽¹⁾ *EMS 2632 | Paramedic Science II-Lecture | 3 |
| *EMS 2632L | Paramedic Science II, Skills Lab | 1 |
| *EMS 2633 | Paramedic Science II, Cardio Respiratory Lecture | 3 |
| *EMS 2641 | Paramedic Science, Hospital Clinical I | 2 |
| *EMS 2651 | Paramedic Science II, Field Clinical | 3 |
| Total Term Semester Hours | | 12 |

Term III

| | | |
|----------------------------------|--|-----------|
| *EMS 2634 | Paramedic Science III, Trauma Lecture | 3 |
| *EMS 2634L | Paramedic Science III, Lab | 1 |
| *EMS 2635 | Paramedic Science III, Medical Emergencies – Lecture | 3 |
| *EMS 2642 | Paramedic Science, Hospital Clinical II | 2 |
| *EMS 2652 | Paramedic Science III, Field Clinical | 3 |
| Total Term Semester Hours | | 12 |

Term IV

| | | |
|-------------------------------------|----------------------------------|-----------|
| *EMS 2636 | Paramedic Science IV - Lecture | 3 |
| *EMS 2636L | Paramedic Science IV Lab | 1 |
| *EMS 2643 | Paramedic Science I Clinical III | 2 |
| *EMS 2653 | Paramedic Science Internship | 4 |
| Total Term Semester Hours | | 10 |
| Total Program Semester Hours | | 42 |

*Requires a pre- or co-requisite. See course descriptions in this catalog or online.

⁽¹⁾Pre-requisite: Florida State EMT I certification

It is strongly recommended that you see an academic advisor or counselor every term.

Emergency Medical Services Associate in Science Major Code 2160

Applicants should call (954) 201-6920 for additional information. EMS courses offered at Health Sciences, Central and North; general education courses are offered at all BCC locations.

Requirements for the Associate in Science in Emergency Medical Services are the following:

- Completion of 73 semester hours of credit and a degree grade point average of 2.0 or higher.
- Completion of all courses in the degree program with a grade of "C" or higher.

Complete the following General Education courses

| | | |
|-----------------------------|---------------------------------------|-----------|
| Elective | Humanities | 3 |
| Elective | Science/Mathematics (college-level) | 3 |
| #ENC 1101 | Composition I | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| PSY 2012 | General Psychology | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| Total Semester Hours | | 18 |

Complete the following EMS courses:

| | | |
|-----------|-------------|---|
| *EMS 1119 | EMT Lecture | 6 |
|-----------|-------------|---|

| | | |
|--------------------------|---|---|
| *EMS 1119L | EMT Skills Lab | 1 |
| *EMS 1411 | EMT Hospital Clinical | 2 |
| *EMS 1421 | EMT Field Clinical | 2 |
| *EMS 2010 | Body Systems for the Paramedic | 3 |
| *EMS 2631 | Paramedic Science I, Lecture | 3 |
| *EMS 2631L | Paramedic Science I, Skills Lab | 1 |
| *EMS 2650 | Paramedic Science I, Field Clinical | 1 |
| ⁽¹⁾ *EMS 2632 | Paramedic Science II Lecture | 3 |
| *EMS 2632L | Paramedic Science II Skills Lab | 1 |
| *EMS 2633 | Paramedic Science II Cardio Respiratory Lecture | 3 |
| *EMS 2641 | Paramedic Science Hospital Clinical I | 2 |

| | | |
|-----------------------------|--|-----------|
| *EMS 2651 | Paramedic Science II Field Clinical | 3 |
| *EMS 2634 | Paramedic Science III Trauma Lecture | 3 |
| *EMS 2634L | Paramedic Science III Skills Lab | 1 |
| *EMS 2635 | Paramedic Science III Medical Emergencies Lecture | 3 |
| EMS 2642 | Paramedic Science Hospital Clinical | 2 |
| EMS 2652 | Paramedic Science III - Field Clinical | 3 |
| *EMS 2636 | Paramedic Science IV Lecture | 3 |
| *EMS 2636L | Paramedic Science IV Skills Lab | 1 |
| *EMS 2643 | Paramedic Science Hospital Clinical III | 2 |
| *EMS 2653 | Paramedic Science IV Field Internship | 4 |
| *EMS 2311 | Leadership Practicum | 2 |
| Total Semester Hours | | 73 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

⁽¹⁾Pre-requisite: Florida State EMT I certification
#Pre-requisite course for entry to the program.

It is strongly recommended that all students see an academic advisor or counselor every session.

Students who test into college preparatory courses must successfully complete all required college preparatory courses to qualify for graduation.

ENVIRONMENTAL SCIENCE TECHNOLOGY
Environmental Science Technology Associate in Science Major Code 2182
Geographic Information Systems Advanced Technical Certificate Major Code 4277

Environmental Science Technology Associate in Science Major Code 2182

Program Description

This program, offered at the A. Hugh Adams Central Campus, 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.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| CHM 1025 | Introduction to Chemistry | 3 |
| CHM 1025L | Introduction to Chemistry Lab | 1 |
| BSC 1005 | General Biology or | |
| ORH 1000 | Horticultural Biology | 3 |
| BSC 1005L | General Biology Lab or | |
| ORH 1000L | Horticultural Biology Lab | 1 |
| SPC 1024 | Introduction to Speech Communications | 3 |
| #EVR 2930 | Environmental Science Seminar | 1 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|-------------------------------------|-----------|
| *ENC 2210 | Professional and Technical Writing | 3 |
| *EVR 1009 | Environmental Science | 3 |
| ORH 1523 | Native Upland Plants | 2 |
| ORH 1524 | Native Wetland Plants | 2 |
| *EVS 2893C | Environmental Sampling and Analysis | 5 |
| Total Term Semester Hours | | 15 |

First Year Term III, Session II or III

| | | |
|---|---|----------|
| *Math (MTB 1310, MAT 1033, or MGF 1107) | 3 | |
| Elective | 3 | |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|----------------------------------|-------------------------------|-----------|
| EVR 1862 | Environmental Regulations | 3 |
| #EVR 2930 | Environmental Science Seminar | 1 |
| SOS 2242C | Wetlands Management I | 3 |
| *MCB 2010 | Microbiology | 3 |
| *MCB 2013L | Microbiology Lab | 1 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 14 |

Second Year Term II

| | | |
|-------------------------------------|--|-----------|
| EVR 2949 | Co-op Internship | 3 |
| GEO 1150C | Introduction to Geographic Information Systems I | 4 |
| *PSC 1121 | Physical Science or | |
| *PHY1001 | Applied Physics | 3 |
| PSC 1121L | Physical Science Lab or | |
| *PHY 1001L | Applied Physics Lab | 1 |
| GEO 2370 | Conservation of Natural Resources or | |
| Elective | Social Science | 3 |
| Total Term Semester Hours | | 14 |
| Total Program Semester Hours | | 64 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

#Students are required to take this course twice.

This program includes three credits of undesignated electives. Students may consider the following recommended electives: GLY 1010, ZOO 2010, or ETD 1320. Students who are not computer literate are advised to take ETD 1320 prior to enrolling in GEO 1150C.

It is strongly recommended that students see an academic advisor every term.

Geographic Information Systems Advanced Technical Certificate Major Code 4277

Pre-requisite: Associate in Science Degree in Environmental Science Technology or departmental approval of related degrees.

| | | |
|-------------------------------|---|----------|
| GEO 1154C | Introduction to Geographic Information Systems II | 3 |
| GEO 1132 | Remote Sensing and Applications | 3 |
| GEO 1156C | Applications of Geographic Information Systems | 3 |
| Total Semester credits | | 9 |

FIRE SCIENCE TECHNOLOGY
Associate in Science Major Code 2118

Program Description

The Associate in Science Degree in Fire Science Technology, located on A. Hugh Adams Central Campus, is designed for fire service or fire protection related professionals, to enhance technical competencies, and prepare them for career advancement through participation in appropriate courses of study. The program provides options for concentrated study including Arson Investigator, Fire Officer, and Municipal Fire Inspector specialties. Accelerated programs are offered in a series of required (3) credit courses, to prepare students for State Fire Officer I, Municipal Fire Inspector, or Arson Investigator certification. **For additional information call 954-201-6791.**

Fire Science General Education Requirements

| | | |
|-----------------------------|---|-----------|
| *ENC 1101 | English Composition I | 3 |
| *ENC 1102 | English Composition II or | |
| *ENC 2210 | Technical Report Writing | 3 |
| SPC 1024 | Introduction to Speech or | |
| SPC 1600 | Public Speaking | 3 |
| POS 2112 | State and Local Government or | |
| POS 2041 | National Government | 3 |
| Elective | CGS, CIS or COP computer class | 3 |
| Elective | Humanities/Fine Arts | 3 |
| Elective | Mathematics/Natural Science | 3 |
| Elective | General Education Course (any college level course) | 9 |
| Total Semester Hours | | 30 |

Fire Science Core Courses

| | | |
|-----------------------------------|---|-----------|
| FFP 1505 | Fire Prevention Theory and Application | 3 |
| FFP 1120 | Fire Protection through Building Construction | 3 |
| FFP 1810 | Firefighting Tactics and Strategy | 3 |
| FFP 1540 | Fire Protection & Detection Systems | 3 |
| FFP 2710 | Fire Department Supervision | 3 |
| FFP 2740 | Methods and Techniques Instruction | 3 |
| *FFP 2811 | Application of Fire Ground Tactics | 3 |
| #FFP | Electives | 9 |
| Total Semester Hours | | 30 |
| Total Program Credit Hours | | 60 |

*Requires a pre or co-requisite. See course description in this catalog or online.

#The following courses satisfy FFP elective requirements. Regardless of the number of FFP elective courses the student has completed, a maximum of nine (9) credits may be used toward the Fire Science degree:

| | | |
|----------|------------------------------------|---|
| FFP 1000 | Introduction to Fire Science | 3 |
| FFP 2939 | Introduction to Command | 3 |
| FFP 2741 | Fire Science Course Design | 3 |
| FFP 1780 | Fire Administration I | 3 |
| FFP 1510 | Codes and Standards | 3 |
| FFP 2111 | Fire Chemistry | 3 |
| FFP 2781 | Fire Administration II | 3 |
| FFP 2604 | Origin and Cause | 3 |
| FFP 2630 | Latent Investigation | 3 |
| FFP 2670 | Legal Issues in Fire Investigation | 3 |
| FFP 2690 | Fire Service Photography | 3 |
| FFP 2521 | Construction and Plans Examination | 3 |
| FFP 2401 | Hazardous Materials 1 | 3 |
| FFP 2402 | Hazardous Materials II | 3 |

+Recommended courses: STA 2023, PHI 2600, SYG 2010, PSY 2012, ECO 2013, CHM 1025, and EVR 1009.

BCC/FAU Joint A.S. Degree in Fire Science and Bachelor of Public Management Degree Program

Students completing this A.S. to B.P.M. combined four year program will receive the Associate in Science degree in Fire Science from Broward Community College AND the Bachelor of Public Management degree from Florida Atlantic University. After successfully completing the program at BCC, students then transfer to FAU. To find out which courses will be taken at FAU for the B.P.M. degree, call (954) 236-1003. Below are the courses to be taken at BCC, which will lead to the A.S. degree (Note: Students may choose to take the courses in a different order.

Term I at BCC

| | | |
|----------------------------------|--|-----------|
| ⁽¹⁾ FFP 1780 | Fire Administration I | 3 |
| ⁽¹⁾ FFP 1505 | Fire Prevention Theory and Application | 3 |
| ⁽²⁾ MAT 1033 | Intermediate Algebra | 3 |
| ⁽³⁾ ENC 1101 | Composition I | 3 |
| ⁽⁴⁾ CGS1000C | Introduction to Computers | 3 |
| Total Term Semester Hours | | 15 |

Term II at BCC

| | | |
|----------------------------------|---------------------------------------|-----------|
| ⁽¹⁾ FFP 1810 | Firefighting Tactics and Strategy | 3 |
| ⁽¹⁾ FFP 1540 | Fire Protection and Detection Systems | 3 |
| ⁽⁵⁾ MGF 1106 | Math for Liberal Arts Majors | 3 |
| ⁽³⁾ ENC 2201 | Technical Report Writing | 3 |
| SPC 1024 | Introduction to Speech | 3 |
| Total Term Semester Hours | | 15 |

Term III at BCC

| | | |
|----------------------------------|---|-----------|
| ⁽¹⁾ FFP 2710 | Fire Department Supervision | 3 |
| ⁽¹⁾ FFP 1120 | Fire Protection through Building Construction | 3 |
| ⁽¹⁾ FFP 0000 | Fire Science Electives (see advisor) | 3 |
| ⁽⁶⁾ XXX 1120 | Foreign Language I | 4 |
| ⁽⁷⁾ ECO 2013 | Principles of Economics I (with writing) | 3 |
| Total Term Semester Hours | | 16 |

Term IV at BCC

| | | |
|-------------------------|---|---|
| ⁽¹⁾ FFP 2740 | Techniques of Instruction in Fire Science | 3 |
| ⁽¹⁾ FFP 2420 | Application of Fire Ground Tactics | 3 |
| ⁽⁵⁾ STA 2023 | Statistics | 3 |

| | |
|--|-----------|
| ⁽⁶⁾ XXX 1121 Foreign Language | 4 |
| ⁽⁷⁾ POS 2112 State and Local Government (with writing) | 3 |
| Total Term Semester Hours | 16 |
| Total Program Semester Hours | 62 |

- (1) FFP prefixed courses are subject to change. Contact your BCC Fire Science Advisor to secure the most current list of FFP requirements. As the FFP courses are updated, the BPM degree requirements will adopt curriculum revisions without penalty.
- (2) Intermediate Algebra is recommended for most A.S. students. However, with a sufficient math background, you may be eligible to move directly into MGF 1106, Mathematics for Liberal Arts I. See a BCC advisor or counselor for more information.
- (3) Gordon Rule Writing course. To earn the Bachelors degree, you must complete sufficient coursework that counts as "Gordon Rule Writing" such as ENC prefixed courses or other BCC courses designated for writing.' Completing this program will satisfy the Gordon Rule Writing requirement.

- (4) Any CGS, CIS, or COP prefixed course will satisfy the requirement for both the A.S. in Fire Science and BPM.
- (5) To earn the Bachelor degree, you must complete six hours of mathematics at the college level. MGF 1106 and STA 2023 each count toward that requirement.
- (6) If you completed two years of the same foreign language in high school, you need not complete this course. If so, then substitute any three credit hour 1000 or 2000 level Humanities course (see BCC advisor).
- (7) Take as writing course. This means you must designate at the time of registration that you are taking this course "for writing" enabling you to receive Gordon Rule Writing credit.

GRAPHICS TECHNOLOGY
Graphics Design Technology Associate in Science Major Code 2192
Graphic Design Production Certificate Major Code 6289
Graphic Design Support Certificate Major Code 6290

Program Description

The Graphics Technology Program, offered at the Downtown Higher Education Complex (Willis Holcombe Center), is designed to prepare students for the rapidly changing computer driven graphics design industry. The primary job titles are Junior Graphic Artist, Graphics Reporter and Web Designer.

First Year Term I (Fall)

| | | |
|------------------------------------|----------------------------|-----------|
| ART 1201C | 2-D Design | 3 |
| ART 1300C | Drawing 1 or | |
| PGY 1801C | Digital Imaging | 3 |
| ARH 2000 | Art Appreciation or | |
| ARH 2050 | Art History I or | |
| ARH 2051 | Art History II | 3 |
| Mathematics/Science | | 3 |
| ENC 1101 | English Composition | 3 |
| Total Term Semester Credits | | 15 |

First Year Term II (Spring)

| | | |
|------------------------------------|--------------------------------|-----------|
| PGY 1801C | Digital Imaging | 3 |
| GRA 1151C | Digital Illustration | 3 |
| GRA 1122C | Publication Design | 3 |
| *GRA 2190C | Introduction to Graphic Design | 4 |
| Total Term Semester Credits | | 13 |

Term III (Summer)

| | | |
|------------------------------------|---------------------|----------|
| *PGY 1800C | Digital Photography | 3 |
| Total Term Semester Credits | | 3 |

Second Year Term I (Fall)

| | | |
|------------------------------------|---|-----------|
| *GRA 1201C | Digital Typography | 3 |
| *GRA 2171C | Advertising and Promotional Design | 3 |
| *GRA 2152C | Advanced Digital Imaging Design | 3 |
| *GRA 2841C | Web Publishing | 3 |
| SPC 1024 | Intro to Speech Communication or | |
| SPC 1600 | Introduction to Public Speaking | 3 |
| Total Term Semester Credits | | 15 |

Second Year Term II (Spring)

| | | |
|------------------------------------|------------------------------------|-----------|
| Elective Psychology | | 3 |
| *GRA 2191C | Graphic Design II | 4 |
| *GRA 2185C | Art Direction and Final Production | 3 |
| *GRA 2181C | Graphic Design Portfolio | 2 |
| Total Term Semester Credits | | 12 |

Term III (Summer)

| | | |
|------------------------------------|---------------------------------------|-----------|
| *GRA 2940C | Graphic Design Internship | 3 |
| *PGY 2850C | Digital Audio/Video Editing or | |
| *GRA 2162C | 3d Animation or | |
| *CGS 2877C | Web Animation | 3 |
| Total Term Semester Credits | | 6 |
| Total Term Semester Credits | | 64 |

Completion of the Graphics Technology Program will satisfy SACS computer competency standards. It is strongly recommended that students see an academic advisor or counselor every term.

*Requires a pre- or co-requisite. See course description in this catalog or online.

#Requires a proper score on Placement Test.

Graphic Design Production Certificate Major Code 6289

Program Description

The Graphic Design Production Certificate. The purpose of this certificate is to prepare students for employment as a graphic design assistant, graphic production artist or to provide supplemental training for Persons previously or currently employed in these occupations.

Certificate requirements

| | | | | | |
|-----------|------------------------------|---|----------------------------------|--|-----------|
| ART 1201C | 2-D Design | 3 | *PGY 1800C | Digital Photography | 3 |
| ART 1300C | Drawing 1 or | | GRA 201C | Typography | 3 |
| ART 2300C | Life Drawing | 3 | GRA 2171C | Advertising and Promotional Design or | |
| PGY 1801C | Digital Imaging | 3 | *GRA 2152C | Advanced Digital Image Design or | |
| GRA 1122C | Publication Design or | | GRA 2841C | Web Publishing | 3 |
| OST 1181C | Desktop Publishing | 3 | Total Certificate Credits | | 24 |
| GRA 1151C | Digital Illustration | 3 | | | |

*Requires a pre- or co-requisite. See course description in this catalog or online.
It is strongly recommended that students see an academic advisor or counselor every term.

Graphic Design Support Certificate Major Code 6290

Program Description

The Graphic Design Support Certificate. The purpose of this program is to prepare students for employment as assistant graphic designers or to provide supplemental training for persons previously or currently employed in these occupations.

Certificate requirements

| | | | | | |
|----------------------------------|------------------------------|-----------|---|--|--|
| ART 1201C | 2-D Design | 3 | *Requires a pre- or co-requisite. See course description in this catalog or online. | | |
| ART 1300C | Drawing 1 or | | | | |
| ART 2330C | Life Drawing | 3 | It is strongly recommended that students see an academic advisor or counselor every term. | | |
| PGY 1801C | Digital Imaging | 3 | | | |
| GRA 1122C | Publication Design or | | | | |
| OST 1181C | Desktop Publishing | 3 | | | |
| GRA 1151C | Digital Illustration | 3 | | | |
| Total Credit Certificates | | 15 | | | |

**HEALTH INFORMATION MANAGEMENT
Associate in Science Major Code 2179**

Program Description

This full time two-year program of study 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). Responsibilities include coding of diagnoses and procedures; as well as processing, storage and retrieval of health information. Confidentiality, legal aspects, statistical reporting, performance improvement, and supervision of daily department activities comprise other functions. Professional practice experiences are provided in local health care facilities under the supervision of qualified professional personnel. The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CHIIM).

Articulation Agreement

The program has an articulation agreement with Atlantic and Sheridan Technical Centers for students completing the full-time Transcription or Medical Coder/Biller programs. Articulation applicants should call (954) 201-2084 for information.

First year applicants should call (954) 201-6056 for application information. For specific program information call the Program Manager at (954) 201-2084. Program is offered at Health Sciences, North Campus.

Criteria for Admission into the Associate in Science in Health Information Management Program:

- Applicant must fulfill the general requirements for admission to the Health Science Programs. See page 32.
- A minimum 2.5 degree GPA.
- Complete the pre-requisite courses listed below with a grade of "C" or higher.
- Students who have not completed the pre-requisites, but seek early admission, must obtain departmental approval.
- Applicants must complete the Pre-Health Science Core certificate requirements (CAE 0299, CAE 0382, CAE 0474, and CAE 0476) prior to admission to the program.

Requirements for the Associate in Science in Health Information Management:

- **Courses must be completed in the sequence as outlined in the program of study.**
- Completion of 67 semester hours of credit and a minimum degree grade point average of 2.0 or higher.
- Completion of all courses in the degree program with a grade of "C" or higher.

Pre-requisite Courses:

| | | |
|-----------------------------|------------------------------|-----------|
| HSC 1531 | Medical Terminology | 3 |
| CGS 1100 | Introduction to Computers | 3 |
| BSC 1085 | Anatomy and Physiology I | 3 |
| *BSC 1085L | Anatomy and Physiology I Lab | 1 |
| Total Semester Hours | | 10 |

First Year Term I

| | | |
|-----------------------------|-----------------------------------|-----------|
| **BSC 1086 | Anatomy and Physiology II | 3 |
| *BSC 1086L | Anatomy and Physiology II Lab | 1 |
| *HIM 1000 | Intro. to Health Info. Management | 2 |
| *HIM 1300 | Healthcare Delivery Systems | 3 |
| *HIM 1436 | Pathophysiology | 3 |
| MAT 0024 | Elementary Algebra or higher | 0 |
| Total Semester Hours | | 12 |

First Year Term II

| | | |
|-----------------------------|-------------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| SPC 1024 | Introduction to Speech Communicaton | 3 |
| *HIM 1110 | Health Data Concepts | 3 |
| *HIM 1250 | Coding:Beginning | 4 |
| *HIM 1260 | Health Insurance Billing | 2 |
| Total Semester Hours | | 15 |

First Year Term III

| | | |
|-----------------------------|-------------------------|----------|
| *HIM 1800 | Professional Practice I | 2 |
| Elective | Humanities/Fine Arts | 3 |
| Total Semester Hours | | 5 |

Second Year Term I

| | | |
|-----------------------------|----------------------------|-----------|
| *HIM 2012 | Law and Ethics | 2 |
| *HIM 2232 | Coding: Intermediate | 3 |
| *HIM 2652 | Health Information Systems | 3 |
| *HIM 2214 | Health Statistics | 2 |
| *HIM 2110 | Electronic Health Record | 2 |
| Total Semester Hours | | 12 |

Second Year Term II

| | | |
|-----------------------------|-------------------------------------|-----------|
| *HIM 2234 | Coding: Advanced | 3 |
| *HIM 2810 | Professional Practice II | 2 |
| *HIM 2500 | Performance Improvement | 2 |
| *HIM 2304 | Supervision and Organizational Life | 2 |
| *# Elective | Social/Behavioral Sciences | 3 |
| Total Semester Hours | | 12 |

Second Year Term III

| | | |
|-------------------------------------|--------------------|-----------|
| HIM 2930 | Transition Seminar | 1 |
| Total Semester Hours | | 1 |
| Total Program Semester Hours | | 67 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

#Recommend POS 2041, National Government or PSY 2012, General Psychology.

It is strongly recommended that you see an academic advisor every semester.

HEALTH SERVICES MANAGEMENT
Associate in Applied Science Major Code A014
Associate in Science Major Code 2129

Program Description

The Health Services Management Associate Degree Programs are designed for health care personnel who have completed a post secondary adult vocation or college certificate or degree from an accredited certificate or degree program in a health science area and are interested in administration/management or currently hold such a position. Students are awarded up to 20 credits based upon the length of the program and current work experience in the field.

Health care administrators plan, organize, and coordinate the delivery of health care at hospitals, nursing homes, public health agencies, outpatient clinics, medical and dental offices, and other health facilities. The curriculum was designed to provide the student with basic management skills allowing students to select courses most suitable to their career goals or work environment. Each student will complete one administrative practicum.

Students interested in a Bachelor Degree in Health Services Administration should ask about the Articulation Agreement with Florida International University (FIU). The Bachelor of Health Services Administration (BHSA) degree at FIU requires 60 lower division credit hours, which may be completed at BCC and a minimum of 60 upper division credit hours. Students may choose a nursing home administration specialization, which includes the 36 credit hours of core course work, 15 credit hours of nursing home administration, and 9 credit hours of electives. Please call (954) 940-5980 or (954) 760-5632 for further information.

Applicants should call (954) 201-6782 for admission information. Program information can be accessed at (954) 201-6904. General Education courses are offered at all BCC locations

Criteria for Admission to Health Services Management Associate in Applied Science and Associate in Science

- Applicants must fulfill the requirements for admission to Health Science Programs. See page 32.
- Student must have completed a postsecondary adult vocation or college certificate in an Allied Health area from an accredited program. Credits are awarded based upon length of program and current experience in field. Minimum work experience is six months at 32 hours per week post graduation.

Requirements for the Associate in Applied Science in Health Services Management

- Completion of 62 semester hours of credit with a degree grade point average of 2.0 or higher.
- Completion of all courses in the degree program, with a grade of "C" or higher.

Required Courses

| | | |
|-----------------------------|--|-----------|
| **HSC 1949 | Health Services Work Experience | 20 |
| HIM1300 | Health Care Facilities and Delivery System | 3 |
| ACG 2001 | Principles of Accounting | 3 |
| MAN 2021 | Introduction Management | 3 |
| MNA 2345 | Principles of Supervision | 3 |
| *ENC 1101 | Composition | 3 |
| *ENC 2210 | Prof. and Tech. Report Writing | 3 |
| HSC 1531 | Medical Terminology | 3 |
| *MTB 1310 | Applied Mathematics or | |
| *MAT 1033 | Intermediate Algebra | 3 |
| *HSA 2810L | Practicum in Health Facility Ad | |
| Total Semester Hours | | 50 |

Elective Courses

| | |
|-------------------------------------|-----------|
| Computer Applications | 3 |
| Humanities/fine Arts | 3 |
| Social Science/Behavioral Science | 3 |
| Speech | 3 |
| Total Elective SemesterHours | 12 |
| Total Program Semester Hours | 62 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

**Student must have PSAV certificate from an accredited program. Credits are awarded based upon length of program and current experience in field.

It is strongly recommended that students see an academic advisor or counselor every term.

Health Services Management Program Associate in Science Major Code 2129

Students seeking an Associate in Science Degree for the purpose of transferring into a state university shall substitute MTB 1310, Applied Mathematics or MAT 1033, Intermediate Algebra requirement in the Associate in Applied Science Degree with MAC1105 College Algebra or higher-level mathematics course or any College Level Science Course.

HOSPITALITY AND TOURISM MANAGEMENT

Hospitality and Tourism Management Associate in Applied Science Major Code A015

Hospitality and Tourism Management Associate in Science Degree Major Code 2121

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 communications and interpersonal skills. The use of practicum work experience provides graduates with knowledge of industry practices, which increases their value to employers. This program is only offered at A. Hugh Adams Central Campus. For more information, please contact the Program Manager at (954) 201-6710.

Hospitality and Tourism Management Associate in Applied Science Major Code A015

First Year Term I

| | | |
|----------------------------------|----------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| MNA 1161 | Introduction to Customer Service | 3 |
| HFT 1210 | Supervisory Development | 3 |
| HFT 2250 | Hotel Management | 3 |
| MTB 1103 | Business Mathematics | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---------------------------------------|-----------|
| OST 2335 | Communications in the Workforce | 3 |
| HFT 2410 | Front Office Systems/Procedures | 3 |
| *HFT 2220 | Organization and Personnel Management | 3 |
| HFT 2600 | Hospitality Law | 3 |
| *Elective | Mathematics or Science | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|----------------------|----------|
| Elective | Humanities/Fine Arts | 3 |
| #Elective | | 1 |
| Total Term Semester Hours | | 4 |

Second Year Term I

| | | |
|----------------------------------|--------------------------------------|-----------|
| SPC 1024 | Introduction to Speech Communication | 3 |
| FSS 2500 | Food Service Costing and Controls | 3 |
| HFT 2500 | Marketing | 3 |
| HFT 1700 | Introduction to Tourism Industry | 3 |
| HFT 1941 | Operations and Service Practicum | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|--|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| HFT 2511 | Convention and Group Business Marketing Management | 3 |
| HFT 2460 | Financial Management | 3 |
| PSY 2012 | General Psychology | 3 |
| HFT 2942 | Management and Control Practicum | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 64 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.
 #GEB 2430, Business Ethics or any other one-credit elective.

It is strongly recommended that students see an academic advisor or counselor every term.

Hospitality and Tourism Management Associate in Science Major Code 2121

Students seeking an Associate in Science degree for the purpose of transferring into a state university shall substitute Mathematics or Science Elective requirement in the Associate in Applied Science degree with a college-level, transferable mathematics or science course and ENC 1102, Composition, in place of FSS 2500, Food Service Costing and Control

INDUSTRIAL MANAGEMENT TECHNOLOGY
Industrial Management Associate in Applied Science Major Code A033
Industrial Management Associate in Science Degree Major Code 2194

Program Description

This program, offered at the Judson A. Samuels South Campus, 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.

For additional information and the procedure for the transfer of credits for this program, contact the Industrial Management Technology Program Manager at (954) 201-8601 or email imtech@broward.edu

Industrial Management Technology Associate in Applied Science Major Code A033

Academic Core Courses Required

| | | |
|------------------------------------|---|-----------|
| *ENC 1101 | English Composition I | 3 |
| Elective | Humanities/Fine Arts (Area 2) | 3 |
| Elective | Social/Behavioral Sciences (Area 3) | 3 |
| *MTB 1310 | Applied Mathematics or | |
| MAT 1033 | Intermediate Algebra | 3 |
| SPC 1024 | Intro to Speech Communication or | |
| SPC 1600 | Introduction to Public Speaking | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| Total Academic Core Credits | | 18 |

Technical Course Requirements

| | | |
|---------------------------------------|--|-----------|
| MAN 2021 | Introduction to Management | 3 |
| MNA 1161 | Introduction to Customer Service | 3 |
| MNA 2345 | Principles of Supervision | 3 |
| OST 2335 | Communications in the Workforce or | |
| *ENC 2210 | Professional and Technical Writing | 3 |
| MNA 2905 | Independent Studies in Industrial Management or | |
| MNA 2949 | Co-op Work Experience | 3 |
| #MNA 1948 | Industrial Technical Practicum | 27 |
| Total Technical Course Credits | | 42 |
| Total A.A.S. Degree Credits | | 60 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

Industrial Management Technology Associate in Science Major Code 2194

Students seeking an Associate in Science degree for the purpose of transferring into a state university shall substitute MTB 1310, Applied Mathematics, with MAC 1105, College Algebra or higher.

#Twenty seven credits will be awarded to students who successfully complete one of the 1300 clock hour or greater technical programs listed below at Atlantic Technical Center (754) 321-5100, McFatter Technical Center (954) 321-5700, or Sheridan Technical Center (754) 321-5400. Contact the IMT program manager for the procedure to obtain 27 credits for MNA 1948.

Air Conditioning, Refrigeration/Heating Technology
 Applied Welding Technology
 Apprenticeship Programs (State Approved)
 Automotive Collision Repair and Refinishing
 Boat and Yacht Repair/Refinishing Technology
 Building Construction Management
 Commercial Art Technology
 Commercial Foods and Culinary Arts
 Commercial Photography Technology

Computer Electronics Technology
 Cosmetology
 Court Reporting
 Drafting
 Heavy Duty Truck and Bus Mechanics
 Industrial Electricity
 Machining Technology
 Marine Service Technology
 Plumbing Technology
 Printing and Graphic Arts
 Television Production

Technical education teachers who have completed the Broward County Public Schools ACTIVE Program may substitute vocational education coursework for Technical Education Core Courses.

INTERNET SERVICES TECHNOLOGY
CIW Master Designer Option Associate in Applied Science Major Code A036
CIW Master Designer Option Associate in Science Major Code 2196
Web Development Specialist Designer Option Technical Certificate Major Code 6285

CIW Master Designer Option Associate in Applied Science Major Code A036.

First Year, Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| CTS 1860C | I-Net+ | 4 |
| ENC 1101 | Composition | 3 |
| CTS 1824C | Adobe Photoshop | 3 |
| Total Term Semester Hours | | 13 |

Term II

| | | |
|----------------------------------|---|-----------|
| CTS 1823C | Macromedia Dreamweaver ² Session (2) | 3 |
| CTS 1850C | Macromedia Flash ² (Session 4) | 3 |
| CGS 2843 | CIW E-Commerce Strategies and Practices I ¹ | 3 |
| ENC 1102 | Composition II or | |
| ENC 2210 | Professional and Technical Writing | 3 |
| MAC 1105 | College Algebra | 3 |
| Total Term Semester Hours | | 15 |

Term III

| | | |
|----------------------------|--|----------|
| CGS 1851C | Cascading Style Sheets ¹ | 3 |
| CGS 2840C | CIW E-Commerce Strategies and Practices II ⁴ | 4 |
| Term Semester Hours | | 7 |

Second Year, Term I

| | | |
|----------------------------|--|-----------|
| CS/BUS | Computer Science/Business Elective* | 3 |
| CS/BUS | Computer Science/Business Elective* | 3 |
| CS/BUS | Computer Science/Business Elective* | 3 |
| ECO 2013 | Principles of Economics | 3 |
| SPC 1024 | Introduction to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|-------------------------------------|-----------|
| CS/BUS | Computer Science/Business Elective* | 3 |
| CS/BUS | Computer Science/Business Elective* | 3 |
| CS/BUS | Computer Science/Business Elective* | 3 |
| GEB 2430 | Business Ethics | 1 |
| HUM/FA | Humanities/Fine Arts Elective | 3 |
| Term Semester Hours | | 13 |
| Total Program Semester Hours | | 63 |

*Any course with a ACG, CDA, CEN, CET, CIS, or COP, CTS, ECO, MAR, MNA prefix, except CGS2554C

1. Prerequisite – CTS 1860C (with a grade of C or higher)
2. Prerequisite – CTS 1823C (with a grade of C or higher)
3. Prerequisite – ENC 1101
4. Prerequisite – CGS 2843 (with a grade of C or higher)

CIW Master Designer Option Associate in Science Major Code 2196

Students pursuing an A.A.S. degree may substitute MTB1310 – Applied Mathematics or MAT1033 – Intermediate Algebra for MAC 1105. College Algebra

WEB DEVELOPMENT SPECIALIST
CIW Designer Option Technical Certificate Major Option 6285

First Year, Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| CTS 1860C | I-Net+ | 4 |
| ENC 1101 | Composition | 3 |
| CTS 1842 | Adobe Photoshop | 3 |
| Total Term Semester Hours | | 13 |

Term II

| | | |
|----------------------------------|---|-----------|
| CTS1823C | Macromedia Dreamweaver ¹ (Session 2) | 3 |
| CTS 1850C | Macromedia Flash ² (Session 4) | 3 |
| CGS 2843 | CIW E-Commerce Strategies and Practices I ¹ | 3 |
| CS/BUS | Computer Science/Business Elective | 3 |
| Total Term Semester Hours | | 12 |

Term III

| | | |
|----------------------------------|--|-----------|
| CGS 1851C | Cascading Style Sheets 1 | 3 |
| CGS 2840C | CIW E-Commerce Strategies and Practices II ³ | 4 |
| CS/BUS | Computer Science/Business Elective* | 3 |
| Total Term Semester Hours | | 10 |
| Total Credits | | 35 |

***Any course with a ACG, CDA, CEN, CET, CIS, COP, CTS, ECO, MAR, or MNA prefix, or CGS2554C**

1. Prerequisite – CTS 1860C (with a grade of C or higher)
2. Prerequisite – CTS 1823C (with a grade of C or higher)
3. Prerequisite – CGS 2843 (with a grade of C or higher)

INTERNET SERVICES TECHNOLOGY

CIW Master Designer Option Associate in Applied Science Major Code A036

First Year, Term I

| | | |
|----------------------------------|---|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| CTS 1860C | I-Net+ | 4 |
| ENC 1101 | Composition | 3 |
| COP 1000C | Introduction to Computer Programming ¹ or | |
| COP 1334C | Introduction to C++ Programming ² | 3 |
| Total Term Semester Hours | | 13 |

Term II

| | | |
|----------------------------------|--|-----------|
| CTS 1824C | CIW Design Methodology & Technology: Concepts ³ (Session 2) | 3 |
| CTS 1821C | CIW Design Methodology and Technology: Site Development ⁴ (Session 4) | 3 |
| CS ELEC | Computer Science Elective* | 4 |
| ENC 1102 | Composition II or | |
| ENC 2210 | Professional and Technical Writing | 3 |
| MAT 1033 | Intermediate Algebra or | |
| MTB 1310 | Applied Mathematics | 3 |
| Total Term Semester Hours | | 16 |

Term III

| | | |
|----------------------------------|---|----------|
| CS ELEC | Computer Science Elective* | 3 |
| SPC 1024 | Introduction to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| Total Term Semester Hours | | 6 |

Second Year, Term I

| | | |
|----------------------------------|--|-----------|
| CTS 1850C | CIW Design Methodology and Technology: Dynamic Site Development ⁵ | 3 |
| CTS 1851C | CIW Design Methodology and Technology: Multimedia ⁵ | 3 |
| CGS 2843 | CIW E-Commerce Strategies and Practices I ³ | 3 |
| Hum / FA | Humanities / Fine Arts Elective | 3 |
| ELECTIVE | Elective | 3 |
| Total Term Semester Hours | | 15 |

Term II

| | | |
|-------------------------------------|--|-----------|
| CGS1852C | CIW Design Methodology and Technology: Web Workshop ⁶ | 3 |
| CGS 2840C | CIW E-Commerce Strategies and Practices II ⁷ | 4 |
| CS ELEC | Computer Science Elective* | 3 |
| Soc / Beh | Social / Behavioral Science Elective | 3 |
| Total Term Semester Hours | | 13 |
| Total Program Semester Hours | | 63 |

*Any course with a CDA, CEN, CET, CGS, CIS, or COP prefix, except CGS1000, CGS1060, CGS1061C, or CGS1570

1. Prerequisite – MAT 0024
2. Prerequisite – MAT 1033 or MTB 1310
3. Prerequisite – CTS 1860C (with a grade of C or higher)
4. Prerequisite – CTS 1824C (with a grade of C or higher)
5. Prerequisite – CTS 182EC (with a grade of C or higher)
6. Prerequisites CTS 1850C and CGS 1851C (each with a grade of C or higher)
7. Prerequisite – CGS 2413 (with a grade of C or higher)

**LEGAL ASSISTING (Paralegal Studies)
Associate in Science Major Code 2172**

Program Description

The Legal Assisting (Paralegal Studies) Associate in Science Degree, offered at the South and North Campuses, is a program designed for students seeking a career in a law-related field as a paraprofessional.

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 legal assistant. Legal assistants 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.

This program is approved by the American Bar Association (ABA). For additional information contact the Program Manager at Judson A. Samuels South Campus, 954-201-8011 or the Business Administration at Judson A. Samuels South Campus 954-201-8933 or the Business Administration office at North Campus, 954-201-2217

First Year Term I

| | | |
|----------------------------------|-----------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| #CGS 1100 | Intro To Computer Applications or | |
| OST2764 | Info/Word Processing | 3 |
| BUL 2241 | Business Law I | 3 |
| PLA 1003 | Introduction to Legal Assisting | 3 |
| PLA 1104 | Law Library | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|----------------------------|-----------|
| *PLA 1303 | Criminal Litigation | 3 |
| *PLA 1435 | Corporations | 3 |
| *PLA 2466 | Debtor/Creditor Relations | 3 |
| PLA 1201 | Civil Litigation | 3 |
| *PLA 2114 | Legal Writing and Drafting | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III, Session II and/or Session III

| | | |
|----------------------------------|-----------------|----------|
| Humanities/Fine Arts Elective | | 3 |
| GEB 2430 | Business Ethics | 1 |
| Total Term Semester Hours | | 4 |

Second Year Term I

| | | |
|----------------------------------|--|-----------|
| PLA 1841 | Immigration Law | 3 |
| OST 2335 | Communication in the Workforce | 3 |
| ECO 2013 | Principles of Economics | 3 |
| *PLA 1610 | Procedures for Real Estate Title Closing | 3 |
| PSY 2012 | General Psychology or | |
| SYG 2000 | Principles of Sociology | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|---------------------------------------|------------------------|-----------|
| SPC 1600 | Public Speaking | 3 |
| *PLA 1600 | Probate Practice | 3 |
| *PLA 1800 | Domestic Relation Law | 3 |
| ⁽¹⁾ Elective | Mathematics or Science | 3 |
| ⁽²⁾ Electives or Practicum | | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 64 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

#CGS 1100, Introduction to Computer Applications is transferable to A.A. Degree; OST 2764, Info/Word Processing Applications is not transferable to A.A. Degree.

⁽¹⁾Must be a transferable mathematics or science course.

⁽²⁾Electives are satisfied by taking one (1) of the following courses:

| | | |
|-----------|------------------------------|---|
| CJL 1062 | Constitutional Law | 3 |
| MTB 1103 | Business Mathematics | 3 |
| SPN 1000 | Elem. Spanish Conversation | 3 |
| PLA 2612C | Adv. Title Search Procedures | 3 |
| BUL 2242 | Business Law II | 3 |
| FIN 1100 | Personal Finance or | 3 |
| PLA 2940 | Legal Assisting Practicum | 3 |

It is recommended that you see an academic advisor, counselor or the program manager every term.

MARKETING MANAGEMENT

Marketing Management Associate in Applied Science Degree Major Code A017

Marketing Management Associate in Science Major Code 2126

Marketing Operations Technical Certificate Major Code 6240

Marketing Management Associate in Applied Science Major Code A017

Program Description

The Associate in Applied Science degree in Marketing Management, offered at North and A. Hugh Adams Central Campuses, emphasizes the development of management and leadership skills needed in marketing occupations such as advertising, selling, entrepreneurship, and international business. Students have the opportunity to participate in both state and national marketing competitions through membership in BCC Delta Epsilon Chi. **For additional information contact the Program Manager, A. Hugh Adams Central Campus, (954) 201-6725, or North Campus, (954) 201-2363. Student Alert: Students need to be aware that some courses are only offered once per year.**

First Year Term I

| | | |
|----------------------------------|-------------------------------------|-----------|
| MAR 1011 | Principles of Marketing | 3 |
| MKA 1021 | Salesmanship | 3 |
| MKA 1930 | Seminar I: Marketing in Perspective | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| | Business Elective | |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|-----------------------------------|-----------|
| MKA 1511 | Advertising | 3 |
| MAR 2141 | International Marketing | 3 |
| MNA 1161 | Introduction to Customer Service | 3 |
| MKA 2102 | Retailing | 3 |
| MKA 2931 | Seminar II: Research in Marketing | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III, Session II

| | | |
|----------------------------------|----------------------------------|----------|
| *ENC 1101 | Composition I | 3 |
| HSC 1101C | Introduction to Healthful Living | 1 |
| Total Term Semester Hours | | 4 |

Second Year Term I

| | | |
|----------------------------------|-----------------------------------|-----------|
| MKA 2932 | Seminar III: Marketing Management | 3 |
| | Business Elective | 3 |
| | Elective Humanities/Fine Arts | 3 |
| ECO 2013 | Principles of Economics I | 3 |
| ACG 2001 | Principles of Accounting I | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|---------------------------------------|-----------|
| *MTB 1310 | Applied Mathematics | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| | Business Elective | 3 |
| SPC 1600 | Public Speaking or | |
| SPC 1024 | Intro to Speech Communication | 3 |
| | Business Elective | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 64 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

Business Electives are satisfied by taking four (4) of the following courses: GEB2112, MNA1821C, MTB1103, BUL2241, MAN2604, FIN2050, MAN2021, MNA1134, or MKA2949.

Students who test into college preparatory courses must successfully complete all required college preparatory courses to qualify for graduation.

Marketing Management Associate in Science Major Code 2126

Program Description

The Associate in Science degree in Marketing Management, offered at all BCC locations, emphasizes the development of management and leadership skills needed in marketing occupations such as advertising, selling, entrepreneurship, and international business. This program enables students to transfer to senior institutions that offer a bachelor's degree in marketing.

General Education

| | | |
|-----------------------------|---------------------------------------|-----------|
| ECO 2013 | Principles of Economics I | 3 |
| *ENC 1101 | Composition I | 3 |
| | Elective Humanities/Fine Arts | 3 |
| SPC 1024 | Introduction to Speech Communications | 3 |
| HSC 1101C | Introduction to Healthful Living | 1 |
| CGS 1100 | Intro to Computer Applications | 3 |
| (¹)Elective | Mathematics or Science | 3 |
| Total Semester Hours | | 19 |

Specialized Courses

| | | |
|----------|-------------------------------------|---|
| ACG 2001 | Principles of Accounting I | 3 |
| MKA 1930 | Seminar I: Marketing in Perspective | 3 |
| MKA 2931 | Seminar II: Research in Marketing | 3 |
| OST 2335 | Communications in Workforce | 3 |
| MKA 2932 | Seminar III: Marketing Management | 3 |
| MAR 2141 | International Marketing | 3 |
| MNA 1161 | Introduction to Customer Service | 3 |
| MKA 2102 | Retailing | 3 |

| | | |
|----------|-------------------------------------|-----------|
| MKA 1511 | Advertising | 3 |
| | Business Elective | 3 |
| | Business Elective | 3 |
| MAR 1011 | Principles of Marketing | 3 |
| MKA 1021 | Salesmanship | 3 |
| | Business Elective | 3 |
| | Business Elective | 3 |
| | Total Semester Hours | 45 |
| | Total Program Semester Hours | 64 |

Business Electives are satisfied by taking four (4) of the following courses: GEB2112, MNA 1821C, MTB1103, BUL2241, MAN2064, FIN2050, Man2021, MNA1134, or MKA2949.

Students who test into college preparatory courses must successfully complete all required college preparatory courses to qualify for graduation.

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.

⁽¹⁾Must be college-level, transferable mathematics or science elective.

It is strongly recommended that students see an academic advisor or counselor every term.

Marketing Operations Technical Certificate Major Code 6240

Program Description

The Marketing Operations Certificate, offered at Central and North Campus, is a program designed to prepare students for immediate employment in the area of marketing. It will also meet the needs of those students who already have a two or four-year degree and are seeking new employability skills.

First Year Term I

| | | |
|-----------|-------------------------------------|-----------|
| MAR 1011 | Principles of Marketing | 3 |
| MKA 1021 | Salesmanship | 3 |
| MKA 1930 | Seminar I: Marketing in Perspective | 3 |
| MNA 1821C | Introduction to E-Commerce | 3 |
| | Total Term Semester Hours | 12 |

| | | |
|-----------|---|-----------|
| MNA 1161 | Introduction to Customer Service | 3 |
| +MKA 2102 | Retailing or | |
| #GEB 2112 | Entrepreneurship | 3 |
| | Total Option Semester Hours | 12 |
| | Total Certificate Semester Hours | 24 |

First Year Term II

| | | |
|----------|-------------------------|---|
| MKA 1511 | Advertising | 3 |
| MAR 2141 | International Marketing | 3 |

*Requires a pre-requisite. See course description in this catalog or Online.

+Offered once per year at North Campus only.

#Offered at A. Hugh Adams Central Campus only.

MESSAGE THERAPY
Vocational Certificate Major Code 5281

Program Description

The Massage Therapy Program, offered at Health Science, North Campus, is a vocational certificate approved by the Florida Board of Massage Therapy. Graduates are eligible to take the Florida Board of Massage Therapy licensure examination.

The role of the Massage Therapist is to perform therapeutic massage as prescribed by Florida law. Duties and responsibilities may encompass skills of manipulation of the soft tissues of the human body. For application information please call (954) 201-2058. For specific program information please call the Program Manager at (954) 201-2074

Requirements for the Vocational Certificate in Massage Therapy:

- Applicants must fulfill the requirements for admission to Health Science Programs. See page 32.
- Completion of the program clock hours with a 2.0 or higher certificate grade point average (GPA).
- Obtain TABE assessment scores at or above the state mandated grade level unless exempt.
- The following core courses should be completed by the end of the first term or can be completed before enrollment into the Massage Therapy Program: Health Care Career Core (HCP 0130); Basic Life Support (CAE 0299); HIV/AIDS (CAE 0382); Domestic Violence (CAE 0474); TB/OSHA/HEPATITIS (CAE 0476) - **Total Clock Hours 95.**
- Complete all courses with a grade of "C" or higher.

| | | Clock Hours | | | |
|-------------------------------|---|--------------------|--|--------------------------------|------------|
| Summer | | | Term III Session II | | |
| HCP 0130 | Health Careers Core | 75 | *MSS 0300 | Hydrotherapy Modalities | 15 |
| CAE 0299 | Basic Life Support | 8 | *MSS 0300L | Hydrotherapy Modalities Lab | 45 |
| CAE 0382 | HIV/AIDS | 4 | Total Term Clock Hours | | 60 |
| CAE 0474 | Domestic Violence | 2 | Term III Session III | | |
| CAE 0476 | OSHA/TB | 6 | *MSS 0803L | Massage Therapy Clinical Prac. | 110 |
| Total Term Clock Hours | | 95 | Total Term Clock Hours | | 110 |
| Term I | | | Total Program Clock Hours | | 750 |
| *MSS 0250 | Introduction to Massage Therapy | 15 | *Requires a Pre- or co-requisite course. See course description in this catalog or online. | | |
| *MSS 0250L | Introduction to Massage Therapy Lab | 170 | | | |
| *MSS 0001 | Medical Ethics and Standards | 15 | It is strongly recommended that students see an academic advisor or counselor every term. | | |
| *MSS 0150 | Anatomy and Physiology of Body Systems | 45 | | | |
| Total Term Clock Hours | | 245 | | | |
| Term II | | | | | |
| *MSS 0281 | Allied Modalities | 15 | | | |
| *MSS 0281L | Allied Modalities Lab | 120 | | | |
| *MSS 0156 | Anatomy and Physiology Massage Therapy II | 45 | | | |
| *MSS 0156L | Anatomy and Physiology Massage Therapy II Lab | 60 | | | |
| Total Term Clock Hours | | 240 | | | |

MEDICAL ASSISTING
Vocational Certificate Major Code 5215

Program Description

The Medical Assisting Program is a 10-month vocational certificate program. The Broward Community College Medical Assisting Certificate Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), on recommendation of the Curriculum Review Board of the American Association of Medical Assistants Endowment (AAMAE).

Commission on Accreditation of Allied Health Education Programs
 1361 Park Street
 Clearwater, FL 33756
 (727) 210-2350

Students are placed into externships in physicians' offices throughout Broward County which offer maximum flexibility. The externship 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. The role of the Medical Assistant within the physician's office is varied, demanding, and complex. Duties and responsibilities may encompass those skills of administrator, clinician, or technician. In many instances, the Medical Assistant functions in all three areas while also serving as a public relations specialist.

Upon completion of this ten (10) month program the student will be eligible to write the certifying exam of the American Association of Medical Assistants.

For all admissions type questions applicants should call (954)-201-6056 or 6735. Applicants should call the program manager for specific information at (954) 201-6906. All courses are taught in Bldg 8, Broward Community College, A. Hugh Adams Central Campus, 3501 S W Davie Road, Davie, FL .

Criteria for Admission into Medical Assisting Vocational Certificate:

- Applicants must fulfill the requirements for admission to Health Science Programs. Applicants must submit an original copy of a typing test verifying 35 WPM proficiency. The typing test shall be signed and dated by the professor administering the test. Applicants without signed typing tests should go to the Center for Health Science Education, A. Hugh Adams Central Campus, Building 8 and make arrangements to take this test in the Typing Lab. Applicants meeting all admission criteria, except their typing skill, may receive a preliminary acceptance until proof of their typing skill is on file with the Medical Assisting Department.⁽¹⁾

Requirements for the Vocational Certificate in Medical Assisting:

- Completion of 1156 clock hours, 9 college semester hours (144 contact hours) and a grade point average of 2.0 or higher. No grade lower than "C" will be acceptable in ALL courses required for the Medical Assisting Certificate.
- Obtain TABE Assessment scores at or above the state mandated grade level.

Pre-requisite Courses:

| | | |
|--------------------------|--------------------------------|-----------|
| HCP 0130 | Health Careers Core Curriculum | 75 |
| CAE 0299 | Basic Life Support | 8 |
| CAE 0382 | HIV/AIDS | 4 |
| CAE 0474 | Domestic Violence | 2 |
| CAE 0476 | OSHA/TB | 6 |
| CAE 0528 | Prevention of Medical Errors | 2 |
| Total Clock Hours | | 95 |

Term I Session I

| | | |
|----------------------------------|------------------------|----------|
| HSC 1531 | Medical Terminology | 3 |
| MEA 1233 | Anatomy and Physiology | 3 |
| Total Term Semester Hours | | 6 |

Term I, Session I

| | | |
|-------------------------------|-----------------------------------|------------|
| *MEA 0271 | Administrative Office Procedures | 64 |
| MEA 0258 | Radiology for Medical Assisting I | 64 |
| *MEA 0271L | Admin. Office Procedures Lab | 48 |
| Total Term Clock Hours | | 176 |

Term I, Session II¹

| | | |
|-------------------------------|-----------------------------------|-----------|
| *MEA 0255 | Basic Laboratory Procedures I | 48 |
| *MEA 0255L | Basic Laboratory Procedures I Lab | 48 |
| Total Term Clock Hours | | 96 |

Term I Session IV

| | | |
|-------------------------------|------------------------------------|------------|
| *MEA 0256 | Basic Laboratory Procedures II | 48 |
| *MEA 0256L | Basic Laboratory Procedures II Lab | 48 |
| *MEA 0005 | Introduction to Medical Assisting | 32 |
| Total Term Clock Hours | | 128 |

Term II, Session I

| | | |
|-------------------------------|----------------------------|------------|
| MEA 0204 | Clinical Procedures I | 64 |
| MEA0204L | Clinical Procedures I Lab | 64 |
| MEA 0259 | Radiography for MA II | 64 |
| MEA 0259L | Radiography for MA II Lab | 48 |
| MEA 0242 | Pharmacology for MA | 64 |
| MEA0540 | Electrocardiography for MA | 37 |
| MEA 0540L | Electrocardiography Lab | 38 |
| Total Term Clock Hours | | 379 |

| | |
|--|-------------|
| Term II Session II | |
| *MEA 0382 Law and Ethics | 32 |
| Total Semester Clock Hours | 32 |
| | |
| Term III Session II ^{(2)*} | |
| MEA 0800 Externship In Medical Assisting | 224 |
| MEA 0952 Seminar in Medical Assisting | 26 |
| Total Semester Clock Hours | 250 |
| | |
| *CGS 1100 Intro to Computers | 3 |
| Total Semester Credits | 3 |
| Total Clock Hours | 1156 |
| Total Credits | 9 |
| Total Program Clock Hours | 1300 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

⁽¹⁾ Students must submit proof of typing 35 WPM to the Medical Assisting Department before the end of Term I. Failure to provide this documentation will prevent the student from continuing in the Program.

⁽²⁾ Verification of CPR is required before graduating. CPR and First Aid will be taught by the Continuing Education Department.

It is strongly recommended that students see an academic advisor or counselor every term..

NETWORK ADMINISTRATOR
Microsoft MCSE Associate in Science Major Code 21931
Microsoft MCSE Associate in Applied Science Major Code A019

Cisco CCNP Program Associate in Science Major Code 21933
Cisco CCNP Program Associate in Applied Science Major Code A034
Networking-Cisco CCNA Technical Certificate Major Code 62387

Information Technology Technician Novell CNA Technical Certificate Major Code 6282
Information Technology Management (Microsoft MCSA option) Major Code 6283

Microsoft MCSE Associate in Science Major Code 21931

Program Description

The Microsoft MCSE Associate in Science and Associate in Applied Science degrees, offered at the A. Hugh Adams Central Campus, prepare students for employment opportunities as network support specialists and network administrators in Microsoft Windows environments. It is designed for students seeking to successfully pass the seven Microsoft qualifying exams and attain the title Microsoft Certified System Engineer (MCSE).

First Year Term I

| | | |
|----------------------------------|--|-----------|
| CDA 1403C | PC Support and Service – Operating Systems (Session 2) | 3 |
| *CDA 1302C | PC Support and Service – Hardware ¹ (Session 4) | 3 |
| *CEN 1509C | Network+ | 4 |
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 13 |

First Year Term II

| | | |
|----------------------------------|---|-----------|
| *CEN 1300C | Implementing Microsoft Windows Prof. ² | 4 |
| *ENC 1102 | Composition II or | |
| *ENC 2210 | Professional and Technical Writing | 3 |
| *MAC 1105 | College Algebra | 3 |
| SPC 1024 | Introduction to Speech Communications | 3 |
| Total Term Semester Hours | | 13 |

First Year Term III

| | | |
|----------------------------------|--|----------|
| *CEN 1301C | Implementing Microsoft Windows Server ³ (Session 2) | 4 |
| *CEN 1315C | Implementing Microsoft Windows Network Infrastructure ⁴ (Session 3) | 4 |
| Total Term Semester Hours | | 8 |

Second Year Term I

| | | |
|------------|--|---|
| *CEN 1321C | Implementing Microsoft Windows Directory Services ⁵ (Session 2) | 4 |
|------------|--|---|

| | | |
|----------------------------------|---|-----------|
| *CEN 1327C | Planning and Maintaining Microsoft Windows Network Infrastructure | 4 |
| #Elective | Computer Science | 4 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|---------------------------|-----------|
| ##Elective | MCSE Design | 4 |
| ###Elective | MCSE | 4 |
| #Elective | Computer Science | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 14 |
| Total Program Semester Hours | | 63 |

#Any course with a CDA, CEN, CET, CIS, CTS or COP prefix.
 ##CEN 1323C or CEN 1325C
 ###CEN 1323C, CEN 1325C, CTS 2811C, CTS 2814, or CTS 2312C
 *Requires a pre- or co-requisite. See course description in this catalog or online.

- Prerequisites requiring a grade of C or higher:
1. Pre-requisite CDA 1403C
 2. Pre-requisite CDA 1403C, co-requisite CDA 1302C
 3. Pre-requisite CDA 1403C and CDA 1302C and CEN 1300C
 4. Pre-requisite CDA 1403C and CDA 1302C and CEN 1300C and CEN 1301C
 5. Pre-requisite CDA 1403C and CDA 1302C and CEN 1300C and CEN 1301C and CEN 1315C

It is strongly recommended that students see an academic advisor or counselor every term.

Microsoft MCSE Associate in Applied Science Major Code A019

+Students pursuing an Associate in Applied Science Degree may substitute MAC 1105 with MTB 1310 Applied Mathematics or MAT 1033 Intermediate Algebra.

Cisco CCNP Associate in Science Major Code 21933

First Year Term I

| | | |
|----------------------------------|--|-----------|
| CDA 1403C | PC Support and Service-Operating Systems (Session 2) | 3 |
| CDA 1302C | PC Support and Service-Hardware (Session 4) ¹ | 3 |
| CET 1630C | Network Cabling Technologies | 4 |
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 13 |

First Year Term II

| | | |
|----------------------------------|--|-----------|
| *CET 1600C | Cisco Networking I ² (Session 2) | 4 |
| *CET 1610C | Cisco Networking II ³ (Session 4) | 4 |
| *MAC 1105 | College Algebra | 3 |
| SPC 1024 | Intro to Speech Communication | 3 |
| Total Term Semester Hours | | 14 |

First Year Term III

| | | |
|----------------------------------|---|----------|
| *CET 1615C | Cisco Networking III ⁴ (Session 2) | 4 |
| *CET 1620C | Cisco Networking IV ⁵ (Session 4) | 4 |
| Total Term Semester Hours | | 8 |

Second Year Term I

| | | |
|----------------------------------|--|-----------|
| *CET 2625C | Cisco Networking V ⁶ (Session 2) | 6 |
| *CET 2626C | Cisco Networking VI ⁷ (Session 4) | 5 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 14 |

Second Year Term II

| | | |
|-------------------------------------|--|-----------|
| *CET 2627C | Cisco Networking VII ⁷ (Session 2) | 5 |
| *CET 2628C | Cisco Networking VIII ⁸ (Session 4) | 6 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 14 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite.

1. Pre-requisite-CDA 1403C with grade of C or higher
2. Pre-requisite-CDA 1403C and CDA 1302C and CET 1630C each with grade of C or higher.
3. Pre-requisite-CDA 1403C, CDA 1302C, CET 1630C and CET 1600C each with grade of C or higher
4. Pre-requisite-CDA 1403C, CDA 1302C, CET 1630C, CET 1600C and CET 1610C each with grade of C or higher.
5. Pre-requisite-CDA 1403C and CDA 1302C and CET 1630C and CET 1600C, CET 1610C, and CET 1615C each with grade of C or higher.
6. Pre-requisite-CET 1620C with grade C or higher or proof of CCNA certification.
7. Pre-requisite-CET 2625C with grade of C or higher.
8. Pre-requisite-CET 2625C, CET 2626C, and CET 2627C each with grade of C or higher.

It is strongly recommended that students see an academic advisor or counselor every term.

Cisco CCNP Associate in Applied Science Major Code A034

Students seeking a Cisco CCNP Associate in Applied Science degree shall substitute MAC 1105 with MTB 1310, Applied Mathematics or MAT 1033, Intermediate Algebra.

Networking-Cisco CCNA Technical Certificate Major Code 62387

First Year Term I

| | | |
|----------------------------------|--|-----------|
| CDA 1403C | PC Support and Service-Operating Systems (Session 2) | 3 |
| *CDA 1302C | PC Support and Service Hardware ¹ (Session 4) | 3 |
| CET 1630C | Network Cabling Technologies | 4 |
| Total Term Semester Hours | | 10 |

First Year Term II

| | | |
|----------------------------------|--|-----------|
| *CET 1600C | Cisco Networking I ² (Session 2) | 4 |
| *CET 1610C | Cisco Networking II ³ (Session 4) | 4 |
| #Computer Science Elective | | 4 |
| Total Term Semester Hours | | 12 |

First Year Term III

| | | |
|-------------------------------------|---|-----------|
| *CET 1615C | Cisco Networking III ⁴ (Session 2) | 4 |
| *CET 1620C | Cisco Networking IV ⁵ (Session 3) | 4 |
| Total Term Semester Hours | | 8 |
| Total Program Semester Hours | | 30 |

#Computer Science Elective-Any course with a CDA, CEN, CET, CIS, or COP prefix.

*Requires a pre-requisite

1. Pre-requisite-CDA 1403C
2. Pre-requisite-CDA 1403C and CDA 1302C and CET 1630C
3. Pre-requisite-CDA 1403C and CDA 1302C and CET 1630C and CET 1600C
4. Pre-requisite-CDA 1403C and CDA 1302C and CET 1630C and CET 1600C and CET 1610C
5. Pre-requisite-CDA 1403C and CDA 1302C and CET 1630C and CET 1600C and CET 1610C and CET 1615C

Information Technology Technician Novell CNA Technical Certificate Major Code 6282

Program Description

The Information Technology Technician (Novell CNA Certificate) offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as network support specialists and network administrators in Novell NetWare environments.

First Year Term I

| | | |
|----------------------------------|--|-----------|
| CDA 1403C | PC support and Service-Operating Systems (Session 2) | 3 |
| *CDA 1302C | PC Support and Service-Hardware ¹ (Session 4) | 3 |
| *CEN 1509C | Network+ | 4 |
| Total Term Semester Hours | | 10 |

First Year Term II

| | | |
|-------------------------------------|--|-----------|
| *CEN 1300C | Implementing Microsoft Windows Professional ² | 4 |
| *CEN 1503C | NetWare Administration ³ | 4 |
| #Elective | Computer Science | 3 |
| Total Term Semester Hours | | 11 |
| Total Program Semester Hours | | 21 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

#Any Course with a CDA, CEN, CET, CIS, or COP prefix. Suggested elective: CEN 1504C

1. Pre-requisite-CDA 1403C with grade of C or higher
2. Pre-requisite-CDA 1403C with grade of C or higher; co-requisite-CDA 1302C
3. Pre-requisite-CDA 1403C and CDA 1302C each with grade of C or higher

**Information Technology Management (Microsoft MCSA Option)
Technical Certificate Major Code 6283**

Program Description

The Information Technology Management (Microsoft MCSA Option) Technical Certificate is offered on A. Hugh Adams Central Campus

First Year Term I

| | | |
|----------------------------------|--|-----------|
| CDA 1403C | PC Support & Services-Operating Systems | 3 |
| *CDA 1302C | PC Support & Service –Hardware ¹ | 3 |
| *CEN 1300C | Implementing Microsoft Windows Professional ² | 4 |
| *CEN 1509C | Network+ | 4 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|-------------------------------------|--|-----------|
| *CEN 1301C | Implementing Microsoft Windows Server ³ | 4 |
| *CEN 1315C | Implementing Microsoft Windows Network Infrastructure ⁴ | 4 |
| #Elective | MCSE elective | 4 |
| +Elective | Computer Science Elective | 4 |
| Total Term Semester Hours | | 16 |
| Total Program Semester Hours | | 30 |

*Pre-requisites require a grade of C or higher:

- ¹CDA 1403C
- ²Pre-requisite CDA 1403C, Co-requisite CDA 1302C
- ³Pre-requisites CDA 1403C, CDA 1302C and CEN 1300C
- ⁴Pre-requisites CDA 1403C, CDA 1302C, CEN 1300C, and CEN 1301C
- #MCSE electives – CTS 2312C, CTS 2811C or CTS 2814C
- +Computer Science Electives – any course with a CDA, CEN, CET, CIS, CTS, or COP prefix

NUCLEAR MEDICINE TECHNOLOGY
Nuclear Medicine Technology Associate in Science Major Code 2102
Nuclear Medicine Technology Specialist Technical Certificate Major Code 6224

Program Description

Nuclear Medicine Technologists prepare and administer tracer 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 images (scans).

Clinical Education is performed in local clinics and hospitals in Palm Beach and Broward counties and is offered concurrently with the didactic courses.

The Program maintains regional accreditation through the Southern Association of Colleges and Schools.

Nuclear Medicine Technology-Specialist Technical Certificate Track:

Applicants for the Nuclear Medicine Technology Technical Certificate Program must be a graduate of an accredited two-year Radiography program which leads to registration and/or licensure. Preference is given to Registered Radiographers. Applicants who have a minimum of a two-year patient care related Health Science Degree and are certified and/or licensed in the degree of specialization are also welcome to apply. Upon completion of the twelve (12) months full-time day program, the student will be eligible to write the Nuclear Medicine Exam offered by, and become certified by, the American Registry of Radiologic Technologists and/or write the exam offered by the Nuclear Medicine Technology Certification Board. Successfully passing these exams will allow the student to become licensed by the State of Florida..

Applicants should call (954) 201-2058 or 2890 for admissions information. Applicants should call the Program Manager at (954) 201-2083 for specific program information. . The program is offered in building 41, BCC North Campus, 1000 Coconut Creek Boulevard, Coconut Creek, FL.

Nuclear Medicine applicants who have criminal convictions must clear all ethics requirements by filing a Pre-application Review of Eligibility Form with the American Registry of Radiologic Technologists to avoid potential delays when applying to write the Certifying Exam. Applicants can contact the American Registry of Radiologic Technologists by telephoning the Ethics Department of the ARRT at (651)687-0048.

Criteria for Admission to the Nuclear Medicine Technology-Technical Certificate Program:

- Applicant must fulfill the requirements for admission to Health Science Programs.
- Minimum 2.5 degree GPA.
- APPLICANTS MUST HAVE AN ASSOCIATE DEGREE IN A RELATED FIELD OF STUDY, (i.e., RADIOLOGIC TECHNOLOGY).
- Complete the following courses with a grade of "C" or higher: ENC 1101, BSC 1085, CHM 1033, and MTB 1310 or MAT 1033.

Requirements for Nuclear Medicine Technology-Technical Certificate Program:

- Complete 48 semester credit hours with a GPA of 2.0 or higher.
- No grade lower than a "C" in all certificate course

| Nuclear Medicine Technology Specialist Technical Certificate Major Code 6224 | | | |
|---|--|-----------|-----------|
| Prerequisites | | | |
| *ENC 1101 | College Composition | 3 | |
| *CHM 1033 | Chemistry for the Health Sciences | 3 | |
| *BSC 1085 | Anatomy and Physiology I | 3 | |
| BSC 1085L | Anatomy and Physiology I Lab | 1 | |
| *MTB 1310 | Applied Mathematics or | | |
| *MAT 1033 | Intermediate Algebra | 3 | |
| Total Semester Hours | | 13 | |
| First Year Term I | | | |
| *NMT 1002 | Introduction to Nuclear Medicine | 3 | |
| *NMT 2534 | Nuclear Med. Instrumentation | 3 | |
| *NMT 2485 | Nuclear Medicine Methodology | 3 | |
| *NMT 2705L | Nuclear Medicine Lab. I | 1 | |
| *NMT 2834 | Clinical Education | 2 | |
| *NMT 2130 | Nuclear Med. Radiopharmacy | 3 | |
| Total Term Semester Hours | | 15 | |
| First Year Term II | | | |
| *NMT 1312 | Nuclear Med. Radiation Protection and Safety | | 3 |
| *NMT 2573 | Quality Control/Assurance | | 3 |
| *NMT 2706L | Nuclear Medicine Lab. II | | 1 |
| *NMT 2844 | Clinical Education | | 3 |
| *NMT 2102 | Nuclear Medicine Administration | | 2 |
| PHY 1001 | Applied Physics | | 3 |
| Total Term Semester Hours | | | 15 |
| First Year Term III | | | |
| *NMT 2061 | Nuclear Medicine Seminar | | 3 |
| *NMT 2863 | Clinical Education | | 2 |
| Total Term Semester Hours | | | 5 |
| Total Program Hours | | | 48 |
| *Requires a pre- or co-requisite. See course description in this catalog or online. | | | |

Nuclear Medicine Technology Associate in Science Major Code 2102

This Associate in Science degree program is a two-year program. Applicants shall complete the first year General Education Requirements prior to the second year of the program. Upon completion of this degree program, the student will be eligible to write the Nuclear Medicine Exam offered by, and become certified by, the American Registry of Radiologic Technologists AND/OR write the exam offered by the Nuclear Medicine Technology Certification Board. Successfully passing these exams will allow the student to become licensed by the State of Florida.

Clinical Education is performed in local clinics and hospitals and is offered concurrently with the didactic courses. The program maintains regional accreditation throughout the Southern Association of Colleges and Schools.

Criteria for Admission to Associate in Science Degree in Nuclear Medicine Technology:

- Applicants must fulfill the requirements for admission to Health Science Programs. A minimum 2.5 degree GPA. Applicants must complete the Pre-Health Science Core requirements (HCP 0130, CAE 0299, CAE 0382, CAE 0474, and CAE 0476) after submitting the Health Science application and prior to entering the program.
- Applicants must complete the pre-requisite courses with a grade of "C" Plus or higher prior to submitting an application (See list below.).

ADMISSION TO THE SECOND YEAR OF THE PROGRAM IS CONTINGENT UPON SUCCESSFUL COMPLETION OF ALL FIRST YEAR COURSES WITH A 2.0 GPA OR HIGHER.

Nuclear Medicine applicants who have criminal convictions must clear all ethics requirements by filing a Pre-application Review of Eligibility Form with the American Registry of Radiologic Technologists to avoid potential delays when applying to write the Certifying Exam. Applicants can contact the American Registry of Radiologic Technologists by telephoning the Ethics Department of the ARRT at (651) 687-0048.

Requirements for the Associate in Science Degree in Nuclear Medicine Technology:

- Complete 75 hours of credit with a degree grade point average of 2.0 or higher.
- No grade lower than a "C" will be acceptable in all degree courses.

Pre-requisite Courses

| | | |
|-----------------------------|--------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| *CHM 1033 | Chemistry for Health Sciences | 3 |
| *BSC 1085 | Anatomy and Physiology I | 3 |
| *BSC 1085L | Anatomy and Physiology Lab I | 1 |
| *MAT 1033 | Intermediate Algebra or | |
| *MTB 1310 | Applied Mathematics | 3 |
| Total Semester Hours | | 13 |

First Year Term I

| | | |
|----------------------------------|----------------------------------|-----------|
| *NMT 1002 | Introduction to Nuclear Medicine | 3 |
| *NMT 1002L | Nuclear Medicine Lab | 1 |
| PHY 1001 | Applied Physics | 3 |
| PHY 1001L | Applied Physics Lab | 1 |
| CGS 1000 | Microcomputer Applications | 3 |
| HSC 1531 | Medical Terminology | 3 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|---------------------------------|-----------|
| *NMT 1312 | Radiation Protection and Safety | 3 |
| *NMT 1814 | Nuclear Med. Clinical Ed. II | 3 |
| Elective | Social/Behavioral Science | 3 |
| *BSC 1086 | Anatomy and Physiology II | 3 |
| *BSC 1086L | Anatomy and Physiology Lab II | 1 |
| Total Term Semester Hours | | 13 |

First Year Term III

| | | |
|----------------------------------|---------------------------------------|----------|
| SPC 1024 | Introduction to Speech Communications | 3 |
| NMT 1824 | Clinical Education III | 2 |
| Total Term Semester Hours | | 5 |

Second Year Term I

| | | |
|----------------------------------|-------------------------------|-----------|
| *NMT 2485 | Nuclear Medicine Methodology | 3 |
| *NMT 2705L | Nuclear Medicine Laboratory I | 1 |
| *NMT 2130 | Nuclear Med. Radiopharmacy | 3 |
| *NMT 2834 | Clinical Education IV | 2 |
| *NMT 2534 | Nuclear Med. Instrumentation | 3 |
| Total Term Semester Hours | | 12 |

Second Year Term II

| | | |
|----------------------------------|---------------------------------|-----------|
| *NMT 2573 | Quality Control/Assurance | 3 |
| *NMT 2706L | Nuclear Medicine Laboratory II | 1 |
| *NMT 2102 | Nuclear Medicine Administration | 2 |
| *NMT 2844 | Clinical Education V | 3 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 12 |

Second Year Term III

| | | |
|----------------------------------|--------------------------|-----------|
| *NMT 2061 | Nuclear Medicine Seminar | 3 |
| *NMT 2854 | Clinical Education VI | 3 |
| Total Term Semester Hours | | 6 |
| Total Program Hours | | 75 |

*Requires a pre- or co-requisite. Refer to the course descriptions found in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term

NURSING (R.N.)
Nursing (R.N.) Associate in Science Degree Major Code 2127
LPN-RN Transition Major Code 21271

Program Description

The Associate in Science Degree Nursing Program is designed to prepare the individual student for a career as a professional nurse. The program's mission is to prepare competent, compassionate, and culturally sensitive entry-level nursing graduates whose professional practice encompasses legal and ethical decision-making in the promotion of health in the community. The practice of professional nursing means the performance of those acts, which require substantial specialized knowledge, critical judgment, critical thinking, and nursing skill, based upon applied scientific principles. The graduate nurse practices holistic nursing incorporating biophysical, psychosocial, spiritual, cultural, and wellness concepts.

The Nursing Program is approved by the Florida Board of Nursing, accredited by the National League for Nursing Accrediting Commission Inc. (NLNAC), 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. NLNAC is located at 61 Broadway, 33rd Floor, New York, NY, 10006, (800) 669-1656, or Fax (212)-812-0390. www.nlnac.org.

The student who has met all educational and institutional requirements for an Associate in Science Degree in Nursing from Broward Community College is eligible to have his/her name submitted to the Florida Board of Nursing be considered as a candidate for the 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. 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.)

The Florida Board of Nursing, in accordance with the Rules and Regulations of the Nurse Practice Act, will determine if a nursing program graduate is eligible for licensure when there is an arrest/conviction record. **All individuals with a criminal or discipline history should read Chapter 464, Florida Statutes (F.S.) and Chapter 64B9, Florida Administrative Code (F.A.C.) as they pertain to the practice of nursing. The Board of Nursing encourages all individuals with a criminal or discipline history to fully understand these requirements. For more information contact the Florida Board of Nursing web site http://www.doh.state.fl.us/mqa/nursing/nur_home.html or call 850-488-0595 or email MedicalQualityAssurance@doh.state.fl.us.**

Program Description and Options

The Nursing Program offers two fulltime 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 and the online/internet setting. The Generic Option is for those student applicants who have no previous nursing education. The LPN-RN Transition Option is for those students who already hold a current Florida Practical Nursing License. The LPN-RN Transition program recognizes the Florida Licensed Practical Nurses' knowledge and skill level, and provides them the opportunity to receive experiential learning credits for Nursing Process I/II (Fundamentals of Nursing) nursing courses.

The Generic Option and LPN-RN Transition Option are both offered in the traditional classroom setting or via the Internet (Online Option). The Online Option offers the nursing program theory as a Flexible Learning course designed for students who prefer a blend of online and on campus learning. The online program objectives and program completion requirements are identical to the traditional nursing program.

Online nursing courses are equivalent to courses taken in the standard contact hour format. The cost of tuition is the same as for those courses offered in the traditional classroom setting. However, students enrolled in online nursing courses may be assessed special fees.

Online nursing courses require on campus meetings for orientations, labs, instruction, and proctored exams. Required meeting dates are listed in the course schedule and in course syllabi. Students enrolled in the online nursing courses must be able to attend clinical experiences in Broward County and come to campus for exams and lab activities.

The nursing program combines studies in general education and nursing education at the College with selected clinical experiences in hospitals and other community facilities. Nursing courses require students to spend a combined 20 to 36 hours per week in the classroom and clinical settings. The program consists of 72 credits. The ratio of clock hours to credit hours in the clinical courses is 3.5 to 1. There are 56 hours of clinical practicum for each credit and 16 hours of theory for each credit. Generic students attend 1008 hours of clinical. LPN-RN Transition

students attend 728 hours of clinical. Clinical hours are a combination of nursing experiences in acute care and extended care facilities; community health; and nursing campus lab setting. All clinical hours are mandatory and it is expected that students will have made arrangements to meet the total required hours. All nursing students must have Internet access and capable to perform basic computer skills such as word processing, sending and receiving emails, and file management.

Criminal Background and Drug Screenings

Clinical affiliating agency sites require students to be fingerprinted, pass drug screening and background checks, and clear the HHS/OIG list of excluded individuals and the GSA list of parties excluded from federal programs. Compliance with this requirement and satisfactory findings are essential for clinical placement and progression. Students who fail to submit to a background check or students whose background checks indicate a conviction as specified in Florida Statutes Title XXI, Chapter 435.04 Level 2 Screening Standards may not be eligible for admission and/or may be dismissed from the nursing program. A history of past arrest and conviction may prohibit students from being licensed in Florida. Students should contact the Florida Board of Nursing to determine their eligibility for licensure based on the criminal background prior to submitting an application to the nursing program.

Broward Community College Nursing Program acknowledges the problem of substance abuse in our society and perceives this problem as a serious threat to employees, students, and patients. It is the intent of the College to establish and maintain a drug-free work place. The College policies related to substance abuse can be found in the current [Broward Community College Student Handbook](#).

Incoming students for the Nursing Program shall be drug screened through arrangements made by the school and the screening agency. Students are responsible for the cost of all screenings. A student needs to be aware that they may be denied participation and placement at a clinical agency based on the background or drug screening findings and the clinical agency's pre-employment screening policy. Withdrawal from the program will be necessary if a student cannot be placed in a clinical agency to meet program practicum requirements.

A negative drug screen will be required in order to enroll in any nursing course. Additionally, students must agree, at the time of admission into the program, to be drug tested at any time while in the program. Evidence of substance abuse will result in immediate administrative dismissal from the program. Nursing students must notify the Associate Dean of the Nursing Program if they are taking prescription drugs that have the potential to affect performance in the clinical area. If a nursing student is dismissed from the nursing program for substance abuse, this action may be reported, if appropriate, to the Intervention Project for Nurses of the Florida Board of Nursing and/or another appropriate assisting agency.

ALL NURSING STUDENTS WHO ARE ADMITTED, OR RE-ADMITTED, TO THE NURSING PROGRAM SHALL ADHERE TO ALL CURRENT DEPARTMENTAL POLICIES.

Criteria for Admission to the Nursing Program

Before submitting an application to the nursing program the student must:

- Complete all nursing pre-requisite courses with a "C" or better and a minimum grade point average (GPA) of 2.5. The pre-requisites courses are listed below. Students applying for the LPN-RN Transition Option must hold a current Florida LPN License without restrictions.

Eligibility for admission into the nursing program will be dependent upon the following:

- Ability to meet the Performance Standards for the Nursing Program. In order 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. A copy of the Performance Standards for the Nursing Program can be obtained from the Nursing Program web page.
- HCP0130 (Health Care Career Course) 75.0 Contact Hours. The student may be eligible for a waiver, contact Health Science Admissions for more information.
- Satisfactory score on the nursing preadmission exam.
- Satisfactory Criminal Background Check and Drug Screening.

The following must be submitted to the Nursing Department on the campus where the student will be attending nursing courses prior the nursing orientation:

- Completion of a Medical History and Physical Examination prior to the start of the first nursing course. Admission into the Nursing Program is provisionally based upon acceptance of the approved health evaluation record. This health evaluation record must be submitted no later than the orientation day for nursing students.
- BLS-Basic Life Support for Health Care Providers (CAE0299). The curriculum must be approved by the American Heart Association 8 Contact Hours
- CAE0474 (Domestic Violence) 2.0 Contact Hours; CAE0382 (HIV/AIDS) 4.0 Contact Hours; CAE 0476 (OSHA/TB/Hepatitis) 6.0 Contact Hours; CAE 0528 (Prevention of Medical Errors) 2.0 Contact Hours

Graduation Requirements for the Associate of Science Degree in Nursing (RN):

- Completion of 72 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.
- Refer to AS Degree Requirements outlined in the catalog

The following pre-requisite courses must be completed with a minimum 2.5 GPA, prior to submitting the Nursing Program admissions application

| | | |
|------------|-------------------------------|---|
| *ENC 1101 | Composition I | 3 |
| *CHM 1033 | Chemistry for Health Sciences | 3 |
| *BSC 1085 | Anatomy Physiology I | 3 |
| *BSC 1085L | Anatomy and Physiology I Lab | 1 |
| *BSC 1086 | Anatomy Physiology II | 3 |
| *BSC 1086L | Anatomy and Physiology II Lab | 1 |

Additional General Education Courses Required

| | | |
|------------------------------------|--|-----------|
| *MCB 2010 | Microbiology | 3 |
| *MCB 2010L | Microbiology Lab | 1 |
| *APB 1600 | Pharmacology | 2 |
| *MTB 1370 | Math for Health Related Professions | 1 |
| Elective | Humanities/Fine Arts (writing requirement) | 3 |
| Elective | Social/Behavior Science | 3 |
| Total Semester Credit Hours | | 27 |

GENERIC (RN) OPTION***

| | | |
|-------------------------------------|--|-----------|
| *NUR 1020 | Nursing Process I | 3 |
| *NUR 1020L | Nursing Process Clinical Lab | 2 |
| *NUR 1210 | Nursing Process II | 3 |
| *NUR 1210L | Nursing Process II Clinical Lab | 2 |
| *NUR 1220 | Health Alterations I | 3 |
| *NUR 1220L | Health Alterations I Clinical Lab | 2 |
| *NUR 1421 | Health Care of Women | 3 |
| *NUR 1421L | Health Care of Women Clinical Lab | 2 |
| *NUR 1524 | Nursing Care of the Psychiatric Patient | 3 |
| *NUR 1524L | Nursing Care of the Psychiatric Patient Clinical Lab | 2 |
| *NUR 1310 | Pediatric Nursing | 3 |
| *NUR 1310L | Pediatric Nursing Clinical Lab | 2 |
| *NUR 2221 | Health Alterations II | 3 |
| *NUR 2221L | Health Alterations II Clinical Lab | 2 |
| *NUR 2222 | Health Alterations III | 3 |
| *NUR 2222L | Health Alterations III Clinical Lab | 2 |
| *NUR 2810 | Trends, Practices and Roles | 3 |
| *NUR 2810L | Trends, Practices and Roles Clinical Lab | 2 |
| Total Semester Hours | | 45 |
| Total Program Semester Hours | | 72 |

LPN/RN TRANSITION OPTION***

| | | |
|-------------------------------------|--|-----------|
| *NUR 2020 | Transition Nursing I | 2 |
| *NUR 2000L | Transition Nursing Clinic Lab | 2 |
| *NUR 1220 | Health Alterations I | 3 |
| *NUR 1220L | Health Alterations I Clinical Lab | 2 |
| *NUR 1421 | Health Care of Women | 3 |
| *NUR 1420L | Health Care of Women Clinical Lab | 1 |
| *NUR 1524 | Nursing Care of the Psychiatric Patient | 3 |
| *NUR 1500L | Nursing Care of the Psychiatric Patient Clinical Lab | 1 |
| *NUR 1310 | Pediatric Nursing | 3 |
| *NUR 1731L | Pediatric Nursing Clinical Lab | 1 |
| *NUR 2221 | Health Alterations II | 3 |
| *NUR 2221L | Health Alterations II Clinical Lab | 2 |
| *NUR 2222 | Health Alterations III | 3 |
| *NUR 2222L | Health Alterations III Clinical Lab | 2 |
| *NUR 2801 | Trends, Practices and Roles | 3 |
| *NUR 2801L | Trends, Practices and Roles Clinical Lab | 2 |
| Total Semester Hours | | 36 |
| **LPN Transfer Credit | | 9 |
| Total Program Semester Hours | | 72 |

*Requires a pre- or co-requisite. Refer to the course descriptions found in this catalog or online.

**Upon completion of NUR 2020 and NUR 2000L, nine (9) semester credits will be awarded for the LPN. license. A fee will be charged.

***Successful completion of the Nursing Program will satisfy the SACS oral communication competency standard

It is strongly recommended that students see an academic advisor or counselor every term.

Articulation Agreements

There is a statewide articulation between all state supported Associate in Science Degree in Nursing programs and Bachelors in Science in Nursing degree programs.

OFFICE ADMINISTRATION

Legal Office Specialization Associate in Applied Science Major Code A021
 Medical Office Specialization Associate in Applied Science Major Code A022
 Medical Office Management Technical Certificate Major Code 6281
 Office Management Specialization Associate in Applied Science A023
 Office Software Applications Specialization Associate in Applied Science Major Code A024
 Office Management Technical Certificate Major Code 6237
 Office Specialist Technical Certificate Major Code 6280
 Office Support Technical Certificate Major Code 6279

Legal Office Specialization Associate in Applied Science Major Code A021

Program Description

The Legal Office Specialization Associate in Applied Science Degree, offered at the North and South Campus, emphasizes legal techniques procedures, and the office skills used in law offices. Specialization in one or two legal fields is accomplished by careful selection of electives.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 1100L | Keyboarding and Document Processing I | 3 |
| OST 1831 | Windows/Graphical Environment or | |
| OST 2053 | Successful Job Search | 1 |
| OST 1795 | Telecommunications | 1 |
| OST 1330 | Business English | 1 |
| OST 1355 | Records Management | 3 |
| ACG 1003 | Accounting Survey | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|--|-----------|
| *OST 1110L | Keyboarding and Document Processing II | 3 |
| OST 2601 | Transcribing Machines | 3 |
| OST 2764 | Information Word Process Applications | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| OST 2501 | Office Management | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|---------------|----------|
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 3 |

Second Year Term I

| | | |
|----------------------------------|---------------------------------|-----------|
| BUL 2241 | Business Law I | 3 |
| OST 2431 | Legal Office Techniques I | 3 |
| PLA 1003 | Introduction to Legal Assisting | 3 |
| MTB 1103 | Business Mathematics | 3 |
| #OST 2949 | Co-Op or Elective | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|------------------------|-----------|
| *BUL 2242 | Business Law II | 3 |
| PLA 1201 | Civil Litigation | 3 |
| *Elective | Mathematics or Science | 3 |
| Elective | Humanities/Fine Arts | 3 |
| PSY 2012 | General Psychology | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

#Elective-select from courses with the prefixes BUL, CGS, GEB, MAN, MNA, OST, RMI or SPC.

It is strongly recommended that students see an academic advisor or counselor every term.

Medical Office Specialization Associate in Applied Science Major Code A022

Program Description

The Medical Office Specialization Associate in Applied Science Degree, offered at the North and South Campus, emphasizes medical terminology and the office skills used in medical offices.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 1100L | Keyboarding and Document Processing I | 3 |
| OST 1831 | Windows/Graphical Environment or | |
| OST 2053 | Successful Job Search | 1 |
| OST 1795 | Telecommunications | 1 |
| OST 1330 | Business English | 1 |
| OST 1355 | Records Management | 3 |
| ACG 1003 | Accounting Survey | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|--|-----------|
| *OST 1110L | Keyboarding and Document Processing II | 3 |
| OST 2601 | Transcribing Machines | 3 |
| OST 2764 | Information Word Process Applications | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| OST 2501 | Office Management | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|---------------|----------|
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 3 |

Second Year Term I

| | | |
|----------------------------------|--------------------------------------|-----------|
| MTB 1103 | Business Mathematics | 3 |
| HSC 1531 | Medical Terminology | 3 |
| OST 2464C | Medical Office Computer Applications | 3 |
| OST 2611C | Medical Transcription | 3 |
| PSY 2012 | General Psychology | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|---------------------------|-----------|
| MNA 2345 | Principles of Supervision | 3 |
| Elective | Mathematics or Science | 3 |
| Elective | Humanities/Fine Arts | 3 |
| #OST 2949 | Co-op or Electives | 6 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in catalog or online.

#Electives-select from courses with the prefixes ACG, CGS, HIM, MAN, MNA, GEB or ECO

It is strongly recommended that students see an academic advisor or counselor every term.

Office Management Specialization Associate in Applied Science Major Code A023

Program Description

The Office Management Specialization Associate in Applied Science Degree, offered at the North and South Campus, emphasizes competencies in the most frequently used business computer applications. This program also prepares the student to assume some of the responsibility of the executive in the office.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 1100L | Keyboarding and Document Processing I | 3 |
| OST 1831 | Windows/Graphical Environment or | |
| OST 2053 | Successful Job Search | 1 |
| OST 1795 | Telecommunications | 1 |
| OST 1330 | Business English | 1 |
| OST 1355 | Records Management | 3 |
| ACG 1003 | Accounting Survey | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|--|-----------|
| *OST 1110L | Keyboarding and Document Processing II | 3 |
| OST 2601 | Transcribing Machines | 3 |
| OST 2764 | Information Word Process Applications | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| OST 2501 | Office Management | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|---------------|----------|
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 3 |

Second Year Term 1

| | | |
|----------------------------------|------------------------|-----------|
| MTB 1103 | Business Math | 3 |
| CGS 1811C | Desktop Publishing | 3 |
| CGS 1540C | Database Management | 3 |
| CGS 1510 | Electronic Spreadsheet | 3 |
| *CGS 1577C | Presentation Systems | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|----------------------------|-----------|
| #OST 2949 | Co-op or elective | 3 |
| MAN 2021 | Introduction to Management | 3 |
| PSY 2012 | General Psychology | 3 |
| *Elective | Math or Science | 3 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

#Elective-select from OST, CGS, GEB, MAN, MNA, BUL, GRA, SPC, or ACG courses.

It is strongly recommended that students see an academic advisor, counselor or OST faculty member every term.

Office Software Applications Specialization Associate in Applied Science Major Code A024

Program Description

The Office Software Applications Specialization Associate in Applied Science Degree, offered at the North and South Campus, prepares the student for employment as a skilled computer information processing specialist. Emphasis is placed on the design and preparation of text and graphical documents used in business offices.

First Year Term I

| | | |
|-----------|---------------------------------------|---|
| CGS 1100 | Introduction of Computer Applications | 3 |
| OST 1100L | Keyboarding and Document Processing I | 3 |
| OST 1831 | Windows/Graphical Environment or | |
| OST 2053 | Successful Job Search | 1 |

| | | |
|----------------------------------|--------------------|-----------|
| OST 1795 | Telecommunications | 1 |
| OST 1330 | Business English | 1 |
| OST 1355 | Records Management | 3 |
| ACG 1003 | Accounting Survey | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|--|-----------|
| *OST1110L | Keyboarding and Document Processing II | 3 |
| OST 2601 | Transcribing Machines | 3 |
| OST 2764 | Information Word Process Applications | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| OST 2501 | Office Management | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|---------------|----------|
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 3 |

Second Year Term I

| | | |
|----------------------------------|---------------------------|-----------|
| MTB 1103 | Business Mathematics | 3 |
| CGS 1510 | Electronic Spreadsheet | 3 |
| MNA 2345 | Principles of Supervision | 3 |
| OST 1811C | Desktop Publishing | 3 |
| PSY 2012 | General Psychology | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|---------------------------------|-----------|
| CGS 1577C | Presentation Systems | 3 |
| #OST 2949 | Co-op or elective | 3 |
| | Humanities/Fine Arts Elective | 3 |
| | Mathematics or Science Elective | 3 |
| OST 2825C | Document Design | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 63 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

#Elective-select from BUL, CGS, GEB, MAN, MNA, OST, ACG, GRA, or SPC courses.

It is strongly recommended that students see an academic advisor or counselor every term.

Medical Office Management Technical Certificate Major Code 6281**Program Description**

This Medical Office Management technical certificate, offered at the North and South Campus, is designed to prepare students for employment in occupations such as: medical assistant referrals, medical posting clerk, medical receptionist, medical records, medical secretary, medical transcription office assistant, or to provide supplemental training for persons previously or currently employed in these occupations.

First Year Term I

| | | |
|----------------------------------|---------------------------------------|-----------|
| OST 1100L | Keyboarding and Document Processing | 3 |
| OST 1330 | Business English | 1 |
| OST 1831 | Windows/Graphical Environment | 1 |
| OST 1795 | Telecommunications | 1 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 1355 | Records Management | 3 |
| ACG 1003 | Accounting Survey | 3 |
| Total Term Semester Hours | | 15 |

| | | |
|----------------------------------|---|-----------|
| OST 2764 | Information/Word Processing Application | 3 |
| OST 2601 | Transcribing Machines | 3 |
| OST 2501 | Office Management | 3 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|-------------------------------------|-----------------------------|-----------|
| OST 2464C | Medical Computer Operations | 3 |
| OST 2053C | Successful Job Search | 1 |
| Total Term Semester Hour | | 4 |
| Total Program Semester Hours | | 34 |

First Year Term II

| | | |
|------------|---------------------------------------|---|
| *OST 1110L | Keyboarding and Document Processing I | 3 |
| OST 2335 | Communications in the Workforce | 3 |

*Requires a pre or co-requisite or proper score on placement test. See course description in this catalog or online.

It is strongly recommended that you see an academic advisor or the program manager every term.

Office Management Technical Certificate Major Code 6237**Program Description**

This Office Management technical certificate, offered at the North and South Campus, is designed to provide the necessary skills for students who plan to seek employment in an office position such as a file clerk, clerk typist, general office clerk, receptionist, or transcription machines operator. This certificate will articulate into the Office Management Associate in Applied Science degree.

First Year Term I

| | | |
|------------|--|---|
| CGS 1100 | Introduction to Computer Applications | 3 |
| OST 1100L | Keyboarding and Document Processing I | 3 |
| *OST 1110L | Keyboarding and Document Processing II | 3 |
| OST 1330 | Business English | 1 |

| | | |
|----------------------------------|---------------------------------------|-----------|
| OST 1831 | Windows/Graphical Environment | or |
| OST 2053 | Successful Job Search | 1 |
| OST 1795 | Telecommunications | 1 |
| OST 2764 | Information Word Process Applications | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|---|---------------------------------|-----------|
| OST 1355 | Records Management | 3 |
| OST 2335 | Communications in the Workforce | 3 |
| OST 2501 | Office Management | 3 |
| OST 2601 | Transcribing Machines | 3 |
| Total Term Semester Hours | | 12 |
| Total Certificate Semester Hours | | 27 |

*Requires a pre or co-requisite or proper score on placement test. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

Office Specialist Technical Certificate Major Code 6280
Program Description

This technical certificate, offered at the North and South Campus, is designed to prepare students for employment in occupations such as: general office assistant, clerical service specialist, file room technician, office clerk, receptionist, records management specialist, or to provide supplemental training for persons previously or currently employed in these occupations.

Certificate Course requirements

| | | |
|-------------------------------------|---|-----------|
| OST 1100L | Keyboarding and Document Processing I | 3 |
| *OST 1110L | Keyboarding and Document Processing II | 3 |
| OST 1330 | Business English | 1 |
| OST 1831 | Windows/Graphical Environment or | |
| OST 2053 | Successful Job Search | 1 |
| OST 1795 | Telecommunications | 1 |
| CGS 1100 | Microcomputer Applications | 3 |
| OST 1355 | Records Management | 3 |
| OST 2335 | Communications in the Workplace | 3 |
| Total Program Semester Hours | | 18 |

*Requires a pre or co-requisite or proper score on placement test. See course descriptions in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

Office Support Technical Certificate Major Code 6279
Program Description

This technical certificate, offered at the North and South Campus, is designed to prepare students for employment in occupations such as: office assistant, data entry specialist/clerk, receptionist, information clerk, support clerk, or to provide supplemental training for persons previously or currently employed in these occupations

Certificate Course Requirements

| | | |
|-------------------------------------|---|-----------|
| OST 1100L | Keyboarding and Document Processing I | 3 |
| OST 1110L | Keyboarding and Document Processing II | 3 |
| OST 1330 | Business English | 1 |
| OST 1831 | Windows/Graphical Environment or | |
| OST 2053 | Successful Job Search | 1 |
| OST 1795 | Telecommunications | 1 |
| CGS 1100 | Microcomputer Applications | 3 |
| Total Program Semester Hours | | 12 |

*Require a pre or co-requisite or proper score on placement test. See course description in this catalog or online.

It is strongly recommended that students see an academic advisor or counselor every term.

OFFICE CAREERS
Administrative Assistant Vocational Certificate Major Code 5279
Legal Administrative Specialist Vocational Certificate Major Code 5297
Medical Administrative Specialist Vocational Certificate Major Code 5280

Administrative Assistant Vocational Certificate Major Code 5279

Program Description

The Administrative Assistant Vocational Certificate Program, offered at the South Campus, is designed to prepare the student to obtain entry-level employment in an office as a Receptionist, Word Processor, or Data Entry Operator. The program of study concentrates on developing the interpersonal and computer skills required for success in an office work setting.

First Year Term I

| | Clock Hours |
|------------------------------------|--------------------|
| OFT 0010 Office Skills Training I | 75 |
| OFT 0011 Office Skills Training II | 75 |
| OTA 0001 Office Support Tech I | 75 |
| OTA 0002 Office Support Tech II | 75 |
| Total Term Vocational Hours | 300 |

First Year Term II

| | |
|---|------------|
| OCA 0450 Spreadsheet and Database Applications I | 75 |
| OCA 0451 Spreadsheet and Database Applications II | 75 |
| OTA 0940 Office Supervision I | 75 |
| OTA 0948 Office Supervision II | 75 |
| Total Term Vocational Hours | 300 |

First Year Term III, Session II

| | |
|------------------------------------|------------|
| OTA 0312 Office Communications I | 75 |
| OTA 0313 Office Communications II | 75 |
| Total Term Vocational Hours | 150 |

First Year Term III, Session III

| | |
|---------------------------------------|--------------|
| OTA 0323 Office Communications III | 150 |
| OTA 0949 On the Job Training | 150 |
| Total Term Vocational Hours | 300 |
| Total Program Vocational Hours | 1,050 |

Medical Administrative Specialist Vocational Certificate Major Code 5280

Program Description

The Medical Administrative Specialist Vocational Certificate Program, offered at the South Campus, is designed to prepare the student to obtain entry-level employment in a Health/Medical Office setting. The program of study concentrates on developing the interpersonal and computer skills required for success in an office work setting.

First Year Term I

| | Clock Hours |
|------------------------------------|--------------------|
| OFT 0010 Office Skills Training I | 75 |
| OFT 0011 Office Skills Training II | 75 |
| OTA 0001 Office Support Tech I | 75 |
| OTA 0002 Office Support Tech II | 75 |
| Total Term Vocational Hours | 300 |

First Year Term II

| | |
|---|------------|
| OCA 0450 Spreadsheet and Database Applications I | 75 |
| OCA 0451 Spreadsheet and Database Applications II | 75 |
| OTA 0612 Medical Secretarial I | 75 |
| OTA 0613 Medical Secretarial II | 75 |
| Total Term Vocational Hours | 300 |

First Year Term III Session II

| | |
|------------------------------------|------------|
| OTA 0614 Medical Secretarial III | 150 |
| OTA 0312 Office Communications I | 75 |
| Total Term Vocational Hours | 225 |

First Year Term III, Session III

| | |
|---------------------------------------|--------------|
| OTA 0313 Office Communications II | 75 |
| OTA 0323 Office Communications III | 150 |
| Total Term Vocational Hours | 225 |
| Total Program Vocational Hours | 1,050 |

Legal Administrative Specialist Vocational Certificate Major Code 5297
Program Description

The Legal Administrative Specialist Vocational Certificate program, offered at the South Campus, is designed to prepare the student to obtain entry-level employment in a legal office as a Receptionist, Word Processor, or Data Entry Operator. The Program of Study concentrates on developing the interpersonal and computer skills required for success in an office work setting.

First Year Term I

| | | Clock Hours |
|------------------------------------|---------------------------|--------------------|
| OFT 0010 | Office Skills Training I | 75 |
| OFT 0011 | Office Skills Training II | 75 |
| OTA 0001 | Office Support Tech I | 75 |
| OTA 0002 | Office Support Tech II | 75 |
| Total Term Vocational Hours | | 300 |

First Year Term II

| | | |
|------------------------------------|--|------------|
| OCA 0450 | Spreadsheet and Database Applications I | 75 |
| OCA 0451 | Spreadsheet and Database Applications II | 75 |
| OTA 0475 | Legal Aspects of Business | 75 |
| Total Term Vocational Hours | | 225 |

First Year Term III Session II

| | | Clock Hours |
|------------------------------------|--------------------------|--------------------|
| OTA 0312 | Office Communications I | 75 |
| OTA 0313 | Office Communications II | 75 |
| OTA 0476 | Legal Office I | 75 |
| OTA 0477 | Legal Office II | 75 |
| Total Term Vocational Hours | | 300 |

First Year Term III Session III

| | | |
|---------------------------------------|--------------------------|--------------|
| OTA 0478 | Legal Office III | 75 |
| OTA 0323 | Office Communication III | 150 |
| Total Term Vocational Hours | | 225 |
| Total Program Vocational Hours | | 1,050 |

**PHYSICAL THERAPIST ASSISTANT PROGRAM Associate in Science Major Code 2153
PHYSICAL THERAPIST ASSISTANT (Manual Techniques) Advanced Technical Certificate
Major Code 4280**

Physical Therapist Assistant Program Associate in Science Major Code 2153

Program Description

The Physical Therapist Assistant Program is delivered to students at BCC and Edison 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. 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. **The program is offered at Center for Health Science Education, North Campus. Applications should call (954) 201-2058 for admissions information. Applicants should call the associate dean at 954.201.2086 for specific program information.**

Criteria for Admission to the Physical Therapist Assistant-Associate in Science:

- Applicants must have a minimum grade point average of 2.5.
- Applicants must complete all pre-requisite courses with a grade of "C" or higher prior to submitting a program application. See list of courses below.
- Applicants must successfully complete a continuing education course: Online Test Drive prior to the start of PHT courses in Term I, August. Completion of this course is not required for application to the program. Registration information will be provided to students following acceptance into the program.
- Applicants must complete a Medical History and Physical Examination prior to the start of PHT courses in Term I, August. Completion of the physical is not required for application to the program. Physical Examination information will be provided to students following application to the program.

Requirements for the Physical Therapist Assistant Associate in Science:

- Complete a minimum of 74 semester hours of credit and a degree grade point average of 2.0 or higher.
- Complete the following courses with a grade of "C" or higher:

Prerequisite Courses

| | | |
|----------------------------------|-------------------------------|-----------|
| HSC 1531 | Medical Terminology | 3 |
| *BSC 1085 | Anatomy and Physiology I | 3 |
| *BSC 1085L | Anatomy and Physiology I Lab | 1 |
| *BSC 1086 | Anatomy and Physiology II | 3 |
| *BSC 1086L | Anatomy and Physiology II Lab | 1 |
| Total Term Semester Hours | | 11 |

Program: First Year Term I

| | | |
|----------------------------------|--------------------------------------|-----------|
| ENC 1101 | College Composition | 3 |
| PHT 1010 | Physical Principles for PTA | 1 |
| PHT 1200 | Introduction to Physical Therapy | 3 |
| PHT 1200L | Introduction to Physical Therapy Lab | 1 |
| *PHT 1103 | Anatomy for the PTA | 3 |
| *PHT 1103L | Anatomy for the PTA Lab | 1 |
| *PHT 1300 | Survey of Pathological Deficits | 4 |
| *PHT 1310 | Survey of Musculoskeletal Deficits | 2 |
| Total Term Semester Hours | | 18 |

Term II

| | | |
|------------|--|---|
| *PHT 1211 | Disabilities and Therapeutic Procedures I | 2 |
| *PHT 1211L | Disabilities and Therapeutic Procedures I Lab | 2 |
| *PHT 1350 | Basic Pharmacology | 1 |
| *PHT 2224 | Disabilities and Therapeutic Procedures II | 3 |
| *PHT 2224L | Disabilities and Therapeutic Procedures II Lab | 2 |
| MAT 0024 | Elementary Algebra and Lab | 0 |
| PSY 2012 | General Psychology | 3 |

| | | |
|----------------------------------|------------|-----------|
| Elective | Humanities | 3 |
| Total Term Semester Hours | | 16 |

Term III, Session II

| | | |
|----------------------------------|-----------------------------------|----------|
| *PHT 1801L | Clinical Practicum I | 2 |
| PHT 1020 | Therapeutic Communication for PTA | 2 |
| Total Term Semester Hours | | 4 |

Second Year Term I

| | | |
|----------------------------------|---------------------------------|-----------|
| *PHT 2810L | Clinical Practicum II | 6 |
| *PHT 2162 | Survey of Neurological Deficits | 4 |
| *PHT 2120 | Applied Kinesiology | 3 |
| *PHT 2120L | Applied Kinesiology Lab | 1 |
| Total Term Semester Hours | | 14 |

Second Year Term II

| | | |
|-------------------------------------|-------------------------------|-----------|
| *PHT 2704 | Rehabilitative Procedures | 3 |
| *PHT 2704L | Rehabilitative Procedures Lab | 1 |
| *PHT 2820L | Clinical Practicum III | 5 |
| *PHT 2931 | Transition Seminar | 2 |
| Total Term Semester Hours | | 11 |
| Total Program Semester Hours | | 74 |

*Requires a pre- or co- requisite. See course description in BCC or Edison catalog or online.
Successful completion of the Physical Therapist Assistant Program will satisfy the SACS Oral Communication Standard and basic computer skill requirement.
Upon successful completion of PHT 1200 and PHT 1200L, students will have met the Health Careers Core objectives.

**Physical Therapist Assistant (Manual Techniques) Advanced Technical Certificate
Major Code 4280**

Program Description

The advanced technical certificate (ATC), offered at North Campus, is designed for the graduate Physical Therapist Assistant (PTA) who wishes to obtain licensure as a massage therapist. Dual licensure typically enhances employability in terms of meeting the health care needs of the community.

The certificate program provides greater knowledge in the science of soft tissue mobilization as it relates to the provision of quality therapeutic interventions and promoting patient wellness. Graduates of the certificate program are eligible to sit for the national certification examination through the National Certification Board for Therapeutic Massage and Bodywork, and upon satisfactory achievement, become licensed Massage Therapists.

The Massage Therapist is an educated health care provider who performs a variety of manual techniques designed to promote stress relief and relaxation, relieve pain and swelling of various anatomical areas, prevent postural deformity and promote functional activities.

This program is offered at Health Sciences, North Campus.

Certificate Courses

| | | |
|-----------|---|-----------|
| PHT 2203 | Manual Techniques I | 3 |
| PHT 2203L | Clinical Practicum in Manual Techniques I | 2 |
| PHT 2204 | Manual Techniques II | 3 |
| PHT 2204L | Clinical Practicum in Manual Techniques II | 2 |
| | Total Term Semester Hours | 10 |
| | Total Program Semester Hours | 10 |

All applicants to the Advanced Technical Certificate (ATC) in Manual Techniques for the PT Assistant must have an Associate of Science degree in Physical Therapist Assisting.

**RADIATION THERAPY PROGRAM Associate in Science Major Code 2159
RADIATION THERAPY SPECIALIST Technical Certificate Major Code 6228**

Program Description

The Radiation Therapy Programs prepare individuals to assist the Radiation Oncologist with the management, control and care of patients receiving radiation therapy. Clinical education is performed in Broward and Palm Beach County hospitals and clinics and is offered concurrently with the didactic courses.

The program maintains regional accreditation through the Southern Association of Colleges and Schools.

Radiation Therapist Specialist-Technical Certificate Track (Major Code 6228):

The Radiation Therapist Specialist Technical Certificate program prepares the Certified Radiologic Technologist (A.R.R.T.) to assist the Radiation Oncologist after one year of study. Upon completion of this 12 month full-time day program the student will be eligible to write the Radiation Therapy Exam offered by, and be certified by, the American Registry of Radiologic Technologists and to become licensed by the State of Florida. All courses are taught in Building 41, Broward Community College, North Campus, 1000 Coconut Creek Boulevard, Coconut Creek Florida.

For all admissions related questions the applicant should call 954-201-2058 or 2890. Applicants should call the program manager at (954) 201-2352 for specific program information.

Criteria for Admission to the Radiation Therapy Specialist-Technical Certificate Program:

- Applicants must fulfill the requirements for admission to Health Science Programs.
- Minimum 2.5 degree GPA. (Effective August 2006)
- APPLICANTS MUST HAVE COMPLETED AN ACCREDITED RADIOGRAPHY PROGRAM AND BE CERTIFIED BY THE AMERICAN REGISTRY OF RADIOLOGIC TECHNOLOGISTS.
- All applicants must submit transcripts documenting completion of Algebra at the Intermediate level or higher OR by successfully completing MAT 1033 Intermediate Algebra or MTB 1310 Applied Mathematics, with a grade of "C" or higher before applying to the program..

Requirements for Radiation Therapy Specialist-Technical Certificate Program:

(For Radiologic Technologists)

- Complete 43 semester credit hours with a GPA of 2.0 or higher.
- Complete all certificate courses with a grade of "C" or higher.

Radiation Therapy Specialist Technical Certificate Major Code 6228

Pre-requisite Courses

| | | |
|-----------------------------|-------------------------|----------|
| *MAT 1033 | Intermediate Algebra or | |
| *MTB 1310 | Applied Mathematics | 3 |
| Total Semester Hours | | 3 |

First Year Term I

| | | |
|----------------------------------|-----------------------------------|-----------|
| *RAT 1001 | Introduction to Radiation Therapy | 3 |
| *RAT 2021 | Principles of Radiation Therapy I | 3 |
| *RAT 2617 | Introduction to Radiation Therapy | |
| | Physics I | 3 |
| *RAT 2023 | Oncology | 3 |
| *RAT 2814 | Clinic Education II | 3 |
| *RAT 2240 | Radiation Pathology | 3 |
| Total Term Semester Hours | | 18 |

First Year Term II

| | | |
|----------------------------------|------------------------------------|-----------|
| *RAT 2022 | Principles of Radiation Therapy II | 3 |
| *RAT 2618 | Physics II | 3 |
| *RAT 2241 | Radiobiology | 2 |
| *RAT 2824 | Clinic Education III | 3 |
| *RAT 2657 | Quality Assurance and Pharmacology | 3 |
| Total Term Semester Hours | | 14 |

First Year Term III

| | | |
|-------------------------------------|----------------------------------|-----------|
| *RAT 2619 | Dosimetry and Computer Treatment | |
| | Planning | 2 |
| *RAT 2619L | Dosimetry and Computer Treatment | |
| | Planning Lab | 1 |
| *RAT 2834 | Clinic Education IV | 5 |
| Total Term Semester Hours | | 8 |
| Total Program Semester Hours | | 43 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

RADIOGRAPHY
Radiography Associate in Applied Science Major Code A025
Hospital Based Radiography Associate in Applied Science Major Code A026

Program Description

The Radiographer assists Radiologists and other Physicians by operating X-ray equipment and preparing patients for diagnostic X-rays. He/she takes radiographs of internal parts of the body to seek evidence of disease or injury or to provide other significant medical information. The Radiographer adjusts X-ray equipment, positions the patient and determines proper voltage, current and exposure time for each radiograph. The Radiographer may also process X-ray film, perform radiographs in surgery, and perform other tasks as assigned.

The Radiography Program maintains regional accreditation through the Southern Association of Colleges and Schools.

All radiography classes are taught in the Bldg 8 on the A. Hugh Adams Central Campus, 3501 S W Davie Road, Davie, FL Clinical practice is performed in local hospitals and is offered concurrently with the didactic classes. The clinical component includes six eveningclinicals, each semester, n the second year of the program Individuals will be eligible to write the exam of, and be certified by, the American Registry of Radiologic Technologists and become licensed by the State of Florida as a LRT (advanced) upon completion of the program. For program admission information, call 954-201-2058 or 2890. For specific program information call the associate dean at (954) 201-2080.

Radiologic Technology applicants who have criminal convictions must clear all ethics requirements by filing a Pre-application Review of Eligibility Form with the American Registry of Radiologic Technologists to avoid potential delays when applying to write the Certifying Exam. Applicants can contact the American Registry of Radiologic Technologists by telephoning the Ethics Department at the ARRT Office at (651) 687-0048.

Note: All accepted applicants are guaranteed a clinical placement during the 22 months program. However, there are no guarantees that the clinical facility will be located close to the applicant's home. It is possible that a student may have to drive at least one hour from their home to the clinical site for which they have registered. Applicants to the program may wish to consider this when applying to the program. Students rotate to three different clinical sites during the 22 months program.

Criteria for Admission to the Radiography Program Associate in Applied Science Degree

- Applicants must fulfill the requirements for admission to Health Science Programs. Students must have a minimum 2.5 degree GPA. (Effective August 2006)
- Applicants must complete Pre-Health Science Core requirements (HCP 0130, CAE 0299, CAE 0382, CAE 0474, and CAE 0476) after submitting the health science application prior to entering to the program.
- Applicants must complete the pre-requisite courses with a grade of "C" or higher prior to submitting an application. See list of courses below.

Requirements for Associate in Applied Science Degree in Radiography

- Complete 77 semester credit hours (as listed) with a degree GPA of 2.0 or higher.
- No than a "C" in all degree courses.

Radiography Associate in Applied Science Major Code A025

Pre-requisite Courses

| | | |
|-----------------------------|-------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| HSC 1531 | Medical Terminology | 3 |
| *BSC 1085 | Anatomy and Physiology I | 3 |
| *BSC 1085L | Anatomy and Physiology I Lab | 1 |
| *MTB 1310 | Applied Mathematics or | |
| *MAT 1033 | Intermediate Algebra | 3 |
| Total Semester Hours | | 13 |

First Year Term I

| | | |
|----------------------------------|--|-----------|
| *RTE 1503 | Radiographic Anatomy and Positioning I | 3 |
| *RTE 1503L | Radiographic Anatomy and Positioning Lab | 1 |
| *RTE 1000 | Introduction to Radiologic Tech. | 3 |
| *RTE 1111 | Nursing Procedures | 2 |
| *RTE 1804 | Clinical Education I | 2 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|---|-----------|
| *RTE 1513 | Radiographic Anatomy and Positioning II | 3 |
| *RTE 1513L | Radiographic Anatomy and Positioning II Lab | 1 |
| *RTE 1418 | Principles of Imaging I | 2 |
| *RTE 1418L | Principles of Imaging I Lab | 1 |
| *RTE 1613 | Physics I | 2 |
| *RTE 1814 | Clinical Education II | 2 |
| *BSC 1086 | Anatomy and Physiology II | 3 |
| *BSC 1086L | Anatomy and Physiology II Lab | 1 |
| Total Term Semester Hours | | 15 |

First Year Term III

| | | |
|----------------------------------|------------------------|----------|
| *RTE 1932C | Special topics | 1 |
| *RTE 1824 | Clinical Education III | 2 |
| Total Term Semester Hours | | 3 |

Second Year Term I

| | | |
|----------------------------------|--|-----------|
| *RTE 2523 | Radiation Anatomy and Positioning III | 3 |
| *RTE 2523L | Radiation Anatomy and Positioning III Lab | 1 |
| *RTE 2782 | Radiation Pathology | 2 |
| *RTE 2834 | Clinical Education IV | 3 |
| *RTE 2623 | Radiographic Equipment | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|----------------------------------|--------------------------------|-----------|
| CGS 1061C | Computer Concepts | 1 |
| *RTE 2385 | Radiation Biology | 2 |
| *RTE 2844 | Clinical Education V | 3 |
| *RTE 2457 | Imaging II | 2 |
| *RTE 2457L | Imaging II Lab | 1 |
| Elective | Social/Behavioral Science | 3 |
| *RTE 2573 | Survey of Imaging Modalities | 1 |
| *RTE 2473 | Radiographic Quality Assurance | 2 |
| Total Term Semester Hours | | 15 |

Second Year Term III, Session II and III

| | | |
|-------------------------------------|------------------------|-----------|
| *RTE 2854 | Clinical Education VI | 1 |
| *RTE 1561 | Non-Routine Procedures | 1 |
| Total Term Semester Hours | | 2 |
| Total Program Semester Hours | | 77 |

*Requires a pre- or co-requisite or proper score on placement test.. See course description in this catalog or online.

Hospital Based Radiography Associate in Applied Science Degree Major Code A026
Program Description

Broward Community College provides a means for graduates of accredited hospital based two year programs who are currently registered Radiologic Technologists, Nuclear Medicine Technologists, Radiation Therapy Technologists and Diagnostic Medical Sonographers to pursue an Associate in Applied Science degree. To qualify, the applicant must submit a copy of their A.R.R.T. or A.R.D.M.S. certificates plus a transcript from the program attended to the Experiential Learning Office. Applicants should call (954) 201-8889 for additional information.

The general education courses in this degree are offered at all BCC locations.

Criteria for Admission to the Associate in Applied Science Degree for Hospital Based Radiography Graduates

- Applicants must fulfill the Health Science Program requirements and must be certified or licensed in the specialty of study. Submit an Experiential Learning Application for previous training or experience. This form can be obtained from the Medical Imaging Associate Dean's office located on A. Hugh Adams Central Campus, Building 8. Applicants who meet the requirements will be awarded 48 college credits.
- Attach to the Experiential Learning Application a transcript from the hospital based training program attended.
- Document satisfactory completion of college preparatory courses if required.

Requirements for the Associate in Applied Science Degree for Hospital Based Radiography Graduates

- Completion of a minimum of 77 credits hours of credit which includes 48 semester hours of credit for previous training or experience with a degree GPA of 2.0 or higher.
- Complete the following course with a grade of "C" or higher in all degree courses:

| | | | | | |
|-----------|--------------------------------------|---|---|-------------------------------|-----------|
| HSC 1531 | Medical Terminology | 3 | *BSC 1085L | Anatomy and Physiology I Lab | 1 |
| *ENC1101 | Composition I | 3 | *BSC 1086 | Anatomy and Physiology II | 3 |
| *MTB 1310 | Applied Mathematics or | | *BSC 1086L | Anatomy and Physiology II Lab | 1 |
| *MAT 1033 | Intermediate Algebra | 3 | Total General Education Hours | | 29 |
| Elective | Social/Behavioral Science | 3 | Experiential Learning Credits | | 48 |
| SPC 1600 | Public Speaking or | | Total Program Hours | | 77 |
| SPC 1024 | Intro. to Speech Communication | 3 | *Requires a pre- or co-requisite. See course description in this catalog or online. | | |
| Elective | Humanities/Fine Arts | 3 | | | |
| CGS 1100 | Introduction to Computer Application | 3 | | | |
| *BSC 1085 | Anatomy and Physiology I | 3 | | | |

RECREATION TECHNOLOGY
Associate in Science Major Code 2191

Program Description

The Recreation Technology Program, offered on A. Hugh Adams Central Campus, leads to an Associate in Science degree. It is designed for individuals seeking employment or advancements in the recreation field.

REQUIRED COURSES MAY BE TAKEN
 IN ANY ORDER.

First Year Term

| | | |
|-----------------------------|----------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| LEI 1000 | Introduction to Recreation | 3 |
| HSC 2400 | First Aid | 3 |
| PET 1303 | Foundations of Exercise Science | 3 |
| PEO 1031C | Individual Sports and Activities | 2 |
| #Elective | Activity Course | 1 |
| Total Semester Hours | | 15 |

First Year Term II

| | | |
|-----------------------------|-------------------------------|-----------|
| SOP 2002 | Social Psychology or | |
| SYG 2000 | Introduction to Sociology | 3 |
| HSC 2100 | Personal and Community Health | 3 |
| HLP 1081 | Health Fitness | 2 |
| PEO 1011C | Team Sports and Activities | 2 |
| LEI 1700 | Recreation for Special Groups | 3 |
| PEL 1041C | Recreation Activities | 2 |
| Total Semester Hours | | 15 |

First Year Term III

| | | |
|-----------------------------|-----------------------|----------|
| EVR 1009 | Environmental Science | 3 |
| #Elective | Activity Course | 1 |
| Total Semester Hours | | 4 |

Second Year Term I

| | | |
|-----------------------------|--|-----------|
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| CGS 1061C | Computer Concepts | 1 |
| MNA 2345 | Principles of Supervision | 3 |
| LEI 2401 | Recreation Management | 3 |
| LEI 1260 | Outdoor Recreation | 3 |
| LEI 2731C | Recreation Therapy | 2 |
| Total Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|---|-----------|
| | Humanities/Fine Arts Elective | 3 |
| HFT 2600 | Hospitality Law | 3 |
| HFT 1700 | Introduction to Tourism Industries Administration | 3 |
| LEI 2604 | Recreation Technology and Equipment | 3 |
| HLP 2949 | Co-op Work Experience | 3 |
| Total Semester Hours | | 15 |
| Total Program Semester Hours | | 64 |

Note: Students are required to complete College Prep Math.

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

#Examples: Swimming, Sailing, Windsurfing, Golf, Archery, or Tennis.

It is strongly recommended that students see an academic advisor or counselor every term.

RESPIRATORY CARE Associate in Science 2132

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 of Allied Health Education Programs (CAAHEP) through the Committee 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.

Applicants should call (954) 201-2082 for admission information. For specific program information, applicants should call the program manager at (954)201-2093

Criteria for Admission to the Respiratory Care-Associate in Science Degree:

Criteria for Admission to the Respiratory Care Program:

- Applicants must be 18 years of age to apply to the Respiratory Care Program
- Prior to applying to the Respiratory Care Program, the prospective applicant must first apply to Broward Community College and be accepted to the college.
- Applications are accepted for the Respiratory Care Program September 1st through May 5th of each year. Upon submission of your application the admissions department will notify you when they receive your application. The selection of students for the fall term occurs during the months of May and June. The application can be accessed via the BCC website or:
<http://www.broward.edu/locations/chse/PDF/forms/index.jsp>
- Applicants must have a minimum grade point average of 2.5 in the prerequisite courses listed below.
- Applications will be evaluated for placement based on the following criteria:
 1. GPA in prerequisite courses or TABE standardized exam results if GPA less than 2.75
 2. Completion of a day of job shadowing – arranged by the program manager
 3. Previous completion of a college degree will be given precedence
 4. Experience in a health related field will be given precedence
- Along with the prerequisite courses listed below there are four “continuing education courses” that must be completed prior to the start of the program in August:
CAE 0299 CPR /BLS (American Heart Association) 8 clock hours, CAE 0382 HIV/AIDS 4 clock hours, CAE 0474 Domestic Violence 2 clock hours, CAE 0476 TB/OSHA/Hepatitis 6 clock hours
- While waiting for admission to the program, it is recommended that human anatomy and physiology II with the lab, microbiology/microbiology lab and medical terminology be completed ahead of time.
- Applicants must complete a Medical History and Physical Examination prior to the start of the Respiratory Care Program in August. The medical form for your physician is on line at
<http://www.broward.edu/locations/chse/PDF/forms/index.jsp>
- A criminal background check and a drug screening is required by the admissions department.

Requirements for the Associate in Science Degree in Respiratory Care:

- Completion of 76 semester hours of credit and a 2.0 degree GPA.
- No grade lower than a “C” will be acceptable in any degree related course.

Pre-requisite Courses

| | | |
|----------------------------------|-------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| *BSC 1085 | Anatomy and Physiology I | 3 |
| *BSC 1085L | Anatomy and Physiology I Lab | 1 |
| *CHM 1032 | Chemistry for Health Sciences | 3 |
| *MTB 1310 | Applied Mathematics or | |
| *MAT 1034 | Intermediate Algebra | 3 |
| Total Term Semester Hours | | 13 |

First Year Term I

| | | |
|----------------------------------|-------------------------------|-----------|
| RET 1026 | Respiratory Care Equipment | 3 |
| *RET 1026L | Respiratory Care Equip. Lab | 1 |
| *RET 1485 | Respiratory A and P | 3 |
| HSC 1531 | Medical Terminology | 3 |
| *BSC 1086 | Anatomy and Physiology II | 3 |
| *BSC 1086L | Anatomy and Physiology II Lab | 1 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|------------------------------|-----------|
| *RET 1264 | Mechanical Ventilation | 3 |
| *RET 1264L | Mechanical Ventilation Lab | 1 |
| RET 1484 | Cardiopulmonary Pathophys. | 3 |
| *RET 1832L | Clinic I | 3 |
| CVT 1200 | Cardiopulmonary Pharmacology | 3 |
| Total Term Semester Hours | | 13 |

First Year Term III

| | | |
|----------------------------------|-----------------------------|----------|
| CGS 1061C | Computer Concepts | 1 |
| *RET 2418 | Cardiopulmonary Diagnostics | 2 |
| *RET 1833L | Clinic II | 3 |
| Total Term Semester Hours | | 6 |

Second Year Term I

| | | |
|------------|--------------------------------|---|
| *RET 2834L | Clinic III | 3 |
| *RET 2503 | Adv. Cardiopulmonary Pathophys | 2 |
| *RET 2714 | Pediatric & Neonatal Resp Care | 3 |
| *RET 2414 | Pulmonary Function | 1 |

| | | |
|-----------------------------------|-------------------------------------|-----------|
| *RET 2414L | Pulmonary Function Lab | 1 |
| *MCB 2010 | Microbiology | 3 |
| *MCB 2010L | Microbiology Lab | 1 |
| *RET 2934 | Selected Topics in Respiratory Care | 1 |
| Total Term Semester Hours. | | 15 |

*Requires a pre- or co-requisite or proper scores on placement test. See course description in this catalog or online

Second Year Term II

| | | |
|-------------------------------------|--|-----------|
| *RET 2835L | Clinic IV | 3 |
| *RET 2286 | Management of the Intensive Care Patient | 2 |
| *RET 2601 | Respiratory Care Management | 1 |
| Elective | Social/Behavioral Science | 3 |
| Elective | Humanities/Fine Arts | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Public Speaking | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 76 |

RESTAURANT MANAGEMENT
Associate in Applied Science A027

Program Description

The Restaurant Management Associate in Applied Science degree, offered at Central Campus, emphasizes the development of management skills needed in the food service industry. Food preparation classes and labs are taught in the area technical schools (see note below). The general education requirements develop students' abilities in communications and interpersonal skills. Through the use of practicums, graduates will have a working knowledge of industry practices leading to strong employability.

For further information, please contact the Program Manager at (954) 201-6710.

First Year Term I

| | | |
|----------------------------------|------------------------------------|-----------|
| #FOS 2201 | Food Service Sanitation and Safety | 3 |
| #FSS 1221C | Volume Foods | 3 |
| #FSS 1240 | Classical Cuisine | 3 |
| #FSS 1284 | Catering | 3 |
| #FSS 2242 | International Cuisine | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term I

| | | |
|----------------------------------|----------------------------------|-----------|
| *ENC 1101 | Composition I | 3 |
| HFT 1210 | Supervisory Development | 3 |
| HFT 2500 | Marketing | 3 |
| HFT 1941 | Operations and Service Practicum | 3 |
| PSY 2012 | General Psychology | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---------------------------------------|-----------|
| OST 2335 | Communications in the Workforce | 3 |
| HFT 2600 | Hospitality Law | 3 |
| SPC 1024 | Introduction to Speech Communication | 3 |
| HFT 2220 | Organization and Personnel Management | 3 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|-----------------------------------|-----------|
| HFT 2942 | Management and Control Practicum | 3 |
| HFT 2460 | Financial Management | 3 |
| FSS 2500 | Food Service Costing and Controls | 3 |
| +Elective | | 1 |
| MNA 1161 | Introduction to Customer Service | 3 |
| Total Term Semester Hours | | 13 |
| Total Program Semester Hours | | 64 |

First Year Term III

| | | |
|----------------------------------|----------------------|----------|
| Elective | Humanities/Fine Arts | 3 |
| *Elective | Math or Science | 3 |
| Total Term Semester Hours | | 6 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.

#These five courses are offered only at Atlantic, McFatter and Sheridan Vocational Centers in the 18-week block that starts either at the end of August or January.

+Business Ethics or any other one-credit elective

It is strongly recommended that students see an academic advisor or counselor

TELECOMMUNICATIONS ENGINEERING TECHNOLOGY
Associate in Applied Science Major Code A028

Program Description

The Telecommunications Engineering Technology Associate in Applied Science degree, offered at the North Campus, prepares students for employment in the rapidly growing telecommunications field. Telecommunications technicians are professionals responsible for installing, calibrating, maintaining and repairing equipment used in fiber optics, cellular networks, cable TV, telephone switching systems, and digital data communications and transmission. Graduates may also be employed in sales, marketing and management in the telecommunications field. This program transfers directly to Nova Southeastern University.

First Year Term I

| | | |
|----------------------------------|---------------------------------|-----------|
| CET 1114C | Digital Techniques | 5 |
| *MTB 1325 | Engineering Tech. Mathematics I | 4 |
| *EET 1015C | DC Circuits | 5 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|---------------------|-----------|
| *EET 1141C | Linear Techniques I | 5 |
| *EET 1025C | AC Circuits | 5 |
| *ENC 1101 | Composition I | 3 |
| Total Term Semester Hours | | 13 |

First Year Term III

| | | |
|----------------------------------|---------------------------------|----------|
| *CET 1317C | Technical Computer Applications | 3 |
| *CET 1123C | Microprocessors I | 4 |
| Total Term Semester Hours | | 7 |

Second Year Term I

| | | |
|----------------------------------|----------------------|-----------|
| *CET 2131C | Microprocessors II | 4 |
| *EET 2355C | Data Communications | 3 |
| *EET 2142C | Linear Techniques II | 4 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 14 |

Second Year Term II

| | | |
|-------------------------------------|-----------------------------------|-----------|
| *EET 2326C | Electronic Communications | 4 |
| *EST 2224C | Fiber Optic Communications | 3 |
| *EET 2358C | Advanced Communication Tech. | 3 |
| SPC 1024 | Intro to Speech Communications or | |
| SPC 1600 | Intro to Public Speaking | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 16 |
| Total Program Semester Hours | | 64 |

*Requires a pre- or co-requisite or proper score on placement test. See course description in this catalog or online.

Technical courses should be taken in the sequence and term suggested unless approved by the Department Head.

These requirements apply to students who enroll in Broward Community College for the first time in academic year 2004-2005.

Students who complete the degree requirements shown on the program sheet will have satisfied the speech requirements for this program.

It is strongly recommended that students see an academic advisor or counselor every term.

TRAVEL AND TOURISM INDUSTRY MANAGEMENT
Travel and Tourism Industry Management Associate in Applied Science Major Code A029
Travel and Tourism Industry Management Associate in Science Major Code 2142

Program Description

The Travel and Tourism Industry Management Associate degrees, offered at A. Hugh Adams Central Campus, emphasizes the development of management skills needed in the travel/tourism industry. The general education requirements of the program develop students' abilities in communications and interpersonal skills. The use of practicum work experience provides graduates with knowledge of industry practices, which increases their value to employers.

For more information, please contact the Program Manager at (954) 201-6710.

Travel and Tourism Industry Management Associate in Applied Science Major Code A029

First Year Term I

| | | |
|----------------------------------|---|-----------|
| *ENC 1101 | Composition I | 3 |
| HFT 1210 | Supervisory Development | 3 |
| HFT 1700 | Introduction to Tourism Industry and Administration | 3 |
| MTB 1103 | Business Mathematics | 3 |
| GEA 2000 | World Geography | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term I

| | | |
|----------------------------------|--------------------------------------|-----------|
| SPC 1024 | Introduction to Speech Communication | 3 |
| MKA 1021 | Salesmanship | 3 |
| HFT 1941 | Operations and Service Practicum | 3 |
| HFT 2500 | Marketing | 3 |
| #Elective | | 3 |
| Total Term Semester Hours | | 15 |

First Year Term II

| | | |
|----------------------------------|---------------------------------------|-----------|
| OST 2335 | Communications in the Workforce | 3 |
| HFT 2220 | Organization and Personnel Management | 3 |
| HFT 2721 | Travel Agency Management/Operations | 3 |
| Elective | Mathematics or Science | 3 |
| HFT 2600 | Hospitality Law | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|--|-----------|
| CGS 1100 | Introduction to Computer Applications | 3 |
| HFT 2730 | Tour Packaging | 3 |
| HFT 2511 | Convention and Group Business Marketing Management | 3 |
| HFT 2942 | Management and Control Practicum | 3 |
| MNA 1161 | Introduction to Customer Service | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 64 |

First Year Term III

| | | |
|----------------------------------|----------------------|----------|
| Elective | Humanities/Fine Arts | 3 |
| #Elective | | 1 |
| Total Term Semester Hours | | 4 |

*Requires a pre-requisite or proper score on placement test. See course description in this catalog or online.

#Business Ethics or any other one-credit elective.

#Electives to be determined in consultation with the program advisor.

It is strongly recommended that students see an academic advisor or counselor every term.

Travel and Tourism Industry Management Associate in Science Program Major 2142

Students seeking an Associate in Science degree for the purpose of transferring into a state university shall substitute Mathematics or Science Elective requirement in the Associate in Applied Science degree with a college-level, transferable mathematics or science course and ENC 1102 Composition in place of the 3 credit elective.

VISION CARE TECHNOLOGY PROGRAMS
Ophthalmic Technology Associate in Applied Science Major Code A030
Associate in Science Major Code 21892
Opticianry Associate in Applied Science Major Code A031
Associate in Science – Major Code 21891

Program Description

The Associate Degree Programs in Vision Care Technology provides the student with the opportunity to develop competency in skills relative to caring for a patient's eyes. There are two tracts that a student may choose: Optician and Ophthalmic Technician. An Optician plays a vital role in the fitting and adapting of corrective lenses and other optical devices to aid people's 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. An Ophthalmic Technician works with a Doctor of Ophthalmology in caring for the health of the patient's eyes. The technician is responsible for performing many different tests that enable the doctor to diagnose and treat visual and ocular medical problems. The duties include assessing acuity, binocular function, color vision, depth perception, and internal ocular pressure. Technicians also perform ophthalmic photography, visual field testing, ocular ultrasound, refractions, and other tasks as assigned.

Applicants should (954) 201-2058 for admission information. Applicants should call the Associate Dean at (954) 201-2017 for specific program information. The program is offered at Health Sciences, North.

Criteria for Admission to the Ophthalmic Technology Program and the Opticianry Program:

- Applicants must fulfill the requirements for admission to Health Science Programs. See page 32.
- A minimum 2.0 degree or high school GPA.
- Applicants must complete the Pre-Health Core requirements (HCP 0130, CAE 0299, CAE 0382, CAE 0474, and CAE 0476) prior to admission to the program.

Requirements for the Associate in Applied Science in Ophthalmic Technology Major Code A030:

- Complete a minimum of 72 semester hours of credit and a degree grade point average of 2.0 or higher
- No grade lower than "C" will be acceptable in any course required for the degree.

Ophthalmic Technology Associate in Applied Science Major Code A030

First Year Term I

| | | | | | |
|----------------------------------|-----------------------------------|-----------|----------------------------------|-------------------------------------|---|
| OPT 1210 | A and P of the Eye | 3 | SPC 1600 | Public Speaking or | |
| OPT 1110 | Physical and Geometric Optics | 3 | SPC 1024 | Intro to Speech Communication | 3 |
| OPT 1110L | Physical and Geometric Optics Lab | 1 | Total Term Semester Hours | | |
| OPT 1330 | Orientation to Vision Care | 2 | 13 | | |
| *ENC 1101 | Composition I | 3 | Second Year Term I | | |
| *MTB 1310 | Applied Mathematics or | | *OPT 2350 | Advanced Clinical Procedures I | 1 |
| *MTB1033 | Intermediate Algebra | 3 | *OPT 2801L | Vision Care Clinic II | 3 |
| Total Term Semester Hours | | | *OPT 2940 | Ophthalmic Medical Practicum I | 4 |
| | | 15 | *OPT 2222 | Ocular Pathology and Pharmacology I | 2 |
| | | | Elective | Social/Behavioral Science | 3 |
| | | | Total Term Semester Hours | | |
| | | | 13 | | |

First Year Term II

| | | | | | |
|-----------------------------|-----------------------------------|-----------|----------------------------------|--------------------------------------|---|
| *OPT 1150 | Ophthalmic Lenses | 2 | Second Year Term II | | |
| *OPT 1150L | Ophthalmic Lenses Lab | 2 | *OPT 2351 | Advanced Clinical Procedures II | 2 |
| *OPT 2375 | Refractometry | 2 | *OPT 2802 | Vision Care Clinic III | 3 |
| *OPT 2879 | Refractometry Practicum | 2 | *OPT 2941 | Ophthalmic Medical Practicum II | 5 |
| *OPT 2090 | Orientation to Vision Care Clinic | 1 | *OPT 2223 | Ocular Pathology and Pharmacology II | 2 |
| CGS 1100 | Intro. To Computer Applications | 3 | Total Term Semester Hours | | |
| Elective | Humanities/Fine Arts | 3 | 12 | | |
| Total Semester Hours | | | | | |
| | | 15 | | | |

First Year Term III, Session II and III

| | | | | | |
|------------|-----------------------------|---|-------------------------------------|-------------------------------|---|
| *OPT 1450 | Ophthalmic Dispensing Proc. | 2 | OPT 2287 | Ophthalmic Med. Practicum III | 4 |
| *OPT 1450L | Ophthalmic Dispensing Lab | 2 | Total Term Semester Hours | | |
| *OPT 2500 | Contact Lens Theory | 2 | 4 | | |
| *OPT 2500L | Contact Lens Theory Lab | 2 | Total Program Semester Hours | | |
| *OPT 2800L | Vision Care Clinic I | 2 | 72 | | |

*Requires a pre- or co-requisite. See course description in this catalog or online.

Requirements for the Associate in Science in Ophthalmic Technology Major Code 21892:

Students seeking an Associate in Science Degree for the purpose of transferring into a state university shall substitute MTB 1310, Applied Mathematics or MAT 1033, Intermediate Algebra requirement in the Associate in Applied Science Degree with the MAC 1105 College Algebra or higher level mathematics course or any College Level Science Course.

Requirements for the Associate in Applied Science in Opticianry Major Code A031:

- Completion of a minimum of 72 semester hours of credit and a degree GPA of 2.0 or higher.
- No grade lower than "C" will be acceptable in any course required for the degree.

Opticianry Associate in Applied Science Major Code A031

First Year Term I

| | | |
|----------------------------------|-----------------------------------|-----------|
| OPT 1210 | A and P of the Eye | 3 |
| OPT 1110 | Physical and Geometric Optics | 3 |
| OPT 1110L | Physical and Geometric Optics Lab | 1 |
| OPT 1330 | Orientation to Vision Care | 2 |
| *ENC 1101 | Composition I | 3 |
| *MTB 1310 | Applied Mathematics or | |
| *MAT1033 | Intermediate Algebra | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term I

| | | |
|----------------------------------|-----------------------------------|-----------|
| *OPT 2420 | Eyewear Fabrication I | 1 |
| *OPT 2420L | Eyewear Fabrication I Lab | 2 |
| *OPT 2830L | Contact Lens Clinic I | 3 |
| *OPT 2460 | Ophthalmic Dispensing Clinic I | 2 |
| *OPT 2875 | Ophthalmic Dispensing Practicum I | 3 |
| Elective | Social/Behavioral Science | 3 |
| Total Term Semester Hours | | 14 |

First Year Term II

| | | |
|----------------------------------|---------------------------------------|-----------|
| *OPT 1150 | Ophthalmic Lenses | 2 |
| *OPT 1150L | Ophthalmic Lenses Lab | 2 |
| *OPT 2090 | Orientation to Vision Care Clinic | 1 |
| *OPT 2375 | Refractometry | 2 |
| OPT 2879 | Refractometry Practicum | 2 |
| CGS 1100 | Introduction to Computer Applications | 3 |
| Elective | Humanities/Fine Arts | 3 |
| Total Term Semester Hours | | 15 |

Second Year Term II

| | | |
|-------------------------------------|------------------------------------|-----------|
| *OPT 2421 | Eyewear Fabrication II | 1 |
| *OPT 2421L | Eyewear Fabrication II Lab | 3 |
| *OPT 2831L | Contact Lens Clinic II | 2 |
| *OPT 2461 | Ophthalmic Dispensing Clinic II | 3 |
| *OPT 2876 | Ophthalmic Dispensing Practicum II | 3 |
| *OPT 2060 | Ophthalmic Management and Practice | 3 |
| Total Term Semester Hours | | 15 |
| Total Program Semester Hours | | 72 |

Term III, Session II and Session III

| | | |
|----------------------------------|--------------------------------------|-----------|
| *OPT 1450 | Ophthalmic Dispensing Procedures | 2 |
| *OPT 1450L | Ophthalmic Dispensing Procedures Lab | 2 |
| *OPT 2500 | Contact Lens Theory | 2 |
| *OPT 2500L | Contact Lens Theory Lab | 2 |
| *OPT 2800L | Vision Care Clinic I | 2 |
| SPC 1600 | Public Speaking or | |
| SPC 1024 | Introduction to Speech Communication | 3 |
| Total Term Semester Hours | | 13 |

*Requires a pre- or co-requisite. See course description in this catalog or online.

Completion of the above listed courses qualifies the student as a candidate for the American Board of Opticians Certification Examination (ABOC), the National Contact Lens Examiners Registration Exam (NCLE).

Requirements for the Associate in Science Degree in Opticianry Major Code 21891

Students seeking an Associate in Science Degree for the purpose of transferring into a state university shall substitute MTB 1310, Applied Mathematics or MAT 1033, Intermediate Algebra requirement in the Associate in Applied Science Degree with MAC 1105 College Algebra or higher level mathematics course or any college level science course.