### 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. All courses are available on-line. For more information call 954-201-6889.

### Related Programs

- Accounting Technology Management Technical Certificate Major Code 62140 (6214E)
- Accounting Technology Operations Technical Certificate Major Code 6325
- Accounting Technology Specialist Technical Certificate Major Code 6324

### First Year Term I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACG2001</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy***</td>
<td>3</td>
</tr>
<tr>
<td>GEB1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Business Elective**</td>
<td>3</td>
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<tr>
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### First Year Term II

<table>
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<tr>
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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACG2011</td>
<td>Principles of Accounting II*</td>
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<tr>
<td>TAX2000</td>
<td>Income Tax I</td>
<td>3</td>
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<tr>
<td>BUL2241</td>
<td>Business Law I</td>
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<tr>
<td>OST2335</td>
<td>Communications in the Workplace</td>
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<td>ACG 2071</td>
<td>Managerial Accounting*</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td>Business Elective**</td>
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### Second Year Term I

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<td>ACG2100</td>
<td>Intermediate Accounting I*</td>
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<td>TAX2010</td>
<td>Income Tax II*</td>
<td>3</td>
</tr>
<tr>
<td>ENC1101</td>
<td>Composition I*</td>
<td>3</td>
</tr>
<tr>
<td>BUL2242</td>
<td>Business Law II</td>
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<tr>
<td>GEB2430</td>
<td>Business Ethics</td>
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### Second Year Term II

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<td>ACG2110</td>
<td>Intermediate Accounting II*</td>
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<tr>
<td>GEB Course</td>
<td>General Education Science+</td>
<td>3</td>
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<tr>
<td>ACG2450C</td>
<td>Computerized Accounting Applications*</td>
<td>3</td>
</tr>
<tr>
<td>SPC1608</td>
<td>Public Speaking III</td>
<td>3</td>
</tr>
<tr>
<td>SPC1024</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
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<tr>
<td>Total Term Semester Hours</td>
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</table>

### Total Program semester Hours

64

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* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted on-line at www.broward.edu/studentresources/advising/Pages/gened.aspx

* Requires a pre-requisite or proper score on placement test. See course description online at www.broward.edu/text/text/CourseDescDepartmentList.jsp.

** Business Electives are satisfied by taking any two of the following courses: ECO2023, FIN1100, GEB2112, MAN2021, MAN2604, MAR1011, MNA1161, REE1040.

*** CGS1060C must be completed within the first 15 hours of Broward College coursework.

Note: The Major Code 2100E is for students who take this program on-line.

It is strongly recommended that students see an advisor every term.
ACCOUNTING TECHNOLOGY PROGRAMS

Accounting Technology Management Technical Certificate Major Code 62140 (6214E)

Program Description
The Accounting Technology Management Technical Certificate, offered at all BC locations and online, is part of the existing Associate of Science Degree in Accounting Technology. This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers such as accounts receivable coordinators, accounts payable coordinators, bookkeepers, and other accounting paraprofessionals in advanced professional accounting occupations. The program focuses on providing students with technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Accounting Technology.

For more information call 954-201-6889.

Related Programs
Accounting Technology Associate in Science Major Code 2100 (2100E)
Accounting Technology Operations Technical Certificate Major Code 6323
Accounting Technology Specialist Technical Certificate Major Code 6324

First Year Term I
ACG2001 Principles of Accounting 1 3
CGS1060C Computer and Internet Literacy*** 3
GEB1011 Introduction to Business 3
Elective Business Elective** 3
Total Term Semester Hours 12

First Year Term II
ACG2011 Principles of Accounting II* 3
TAX2000 Income Tax I 3
SPC1608 Public Speaking or SPC1024 Introduction to Speech Communication 3
Total Term Semester Hours 9

First Year Term III
ACG2071 Managerial Accounting* 3
ACG2450C Computerized Accounting Applications* 3
Total Term Semester Hour 6

Total Certificate Semester Hours 27

* Requires a pre-requisite. See course description online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.
** Business Electives are satisfied by taking any one of the following courses: ECO2023, FIN1100, GEB2112, MAN2021, MAN2604, MAR1011, MNA1161, or REE1040.
*** CGS1060C must be completed within the first 15 hours of Broward College coursework.

It is strongly recommended that students see an advisor every term.
ACCOUNTING TECHNOLOGY PROGRAMS
Accounting Technology Operations Technical Certificate Major Code 6323

Program Description
The Accounting Technology Operations Technical Certificate, offered at all BC locations and online, is part of the existing Associate of Science Degree in Accounting Technology. The purpose of this program is to prepare students for positions such as accounts receivable/payable coordinators, bookkeepers, and related paraprofessional accounting positions or to provide supplementary training for persons previously or currently employed in those occupations. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Accounting Technology. For more information call 954-201-6889.

Related Programs
Accounting Technology Associate in Science Major Code 2100 (2100E)
Accounting Technology Management Technical Certificate Major Code 62140 (6214E)
Accounting Technology Specialist Technical Certificate Major Code 6324

First Year Term I
ACG2001 Principles of Accounting I 3
CGS1060C Computer and Internet Literacy*** 3
Total Term Semester Hours 6

First Year Term II
ACG2011 Principles of Accounting II* 3
SPC1024 Introduction to Speech Communication 3
Total Term Semester Hours 6

First Year Term III
ACG2071 Managerial Accounting* 3
ACG2450C Computerized Accounting Applications* 3
Total Term Semester Hour 6
Total Certificate Semester Hours 18

* Requires a pre-requisite. See course description online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.
*** CGS1060C must be completed within the first 15 hours of Broward College coursework.

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

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

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 lifelong learning and work experience.

For additional information about the programs listed above, contact the BC Automotive Technology Advisor at 954-201-8616 or email autotech@broward.edu.

Related Programs
Dealer Specific Automotive Technology A037

Academic Core Courses
ENC1101 Composition I * 3
GE Course General Education Humanities+ 3
GE Course General Education Social/Behavioral Sciences+ 3
MTB1310 Applied Mathematics * 3
SPC1024 Intro to Speech Communication or SPC1608 Intro to Public Speaking 3
MNA2345 Principles of Supervision or MNA1161 Introduction to Customer Service 3
AER2949 Cooperative Education (Internship) 6
Total Academic Core Credits 24

Technical Course Requirements
AER1081C Introduction to Automotive Technology # 4
AER1198C Engine Repair # 4
AER1698C Electrical Systems # 4
AER1105C Electronics # 4
AER2398C Manual Drive Train and Axle # 4
AER2298C Automatic Transmissions # 4
AER2895C Advanced Engine Performance # 4
AER2395C Brake Systems # 4
AER2758C Heating and Air Conditioning Theory # 4
AER2498C Steering and Suspension # 4
Total Technical Service Credits 44
Total Technical Service Degree Credits 68

+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx
* Requires a pre- or co-requisite. See course descriptions online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.
# 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.

Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

It is strongly recommended that students see an advisor every term.
**Technical Course Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AER1082C</td>
<td>Intro to GM Automotive Technology</td>
<td>4</td>
</tr>
<tr>
<td>AER197C</td>
<td>GM Engine Repair</td>
<td>4</td>
</tr>
<tr>
<td>AER1996C</td>
<td>GM Manual Drive Train and Axles</td>
<td>4</td>
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</tbody>
</table>

**Total Technical Service Degree Credits**: 56

General Education courses must be selected from the list of AAS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advicing/Pages/gened.aspx

**NOTE**: Students must fulfill the College's computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

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

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**AVIATION INSTITUTE**

**Airport Operations Management Associate in Science Major Code 2106**

Program Description

The Airport Operations Management Associate in Science degree prepares students for an operations agent position. Operations agents are responsible for airfield inspections, communications and emergency centers of airports. They apply regulatory requirements of the airport and the security, safety and legal concerns of aviation on the ground. Students can gain real world experience of the day-to-day activities in the field while learning the certification requirements of airports.

Related Programs

- Professional Pilot Technology Associate in Science Major Code 2107
- Traffic Control Associate in Applied Science Major Code A039

Some courses have前置 or coresite requirements or proper score in placement test. See course description on-line for additional information.

**First Year Term I**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AER1100</td>
<td>Aeronautical Science*</td>
<td>3</td>
</tr>
<tr>
<td>ASC1100</td>
<td>Navigation Science 1*</td>
<td>3</td>
</tr>
<tr>
<td>ENC1110</td>
<td>Composition 1*</td>
<td>3</td>
</tr>
<tr>
<td>SPC1024</td>
<td>Introduction to Speech or SPC1608</td>
<td>3</td>
</tr>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy or Elective</td>
<td>3</td>
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**Second Year Term I**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AVM2410</td>
<td>A/P Ops Internship II***</td>
<td>3</td>
</tr>
<tr>
<td>ECO2033</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY1001L</td>
<td>Applied Physics Lab*</td>
<td>1</td>
</tr>
<tr>
<td>MAC2253</td>
<td>Business Calculus* or MAC 2253</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II*</td>
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</table>

**Total Term Semester Hours**: 15

**First Year Term II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AVM2501</td>
<td>General Aviation Marketing and Management</td>
<td>3</td>
</tr>
<tr>
<td>AER2952</td>
<td>A/P Internship II</td>
<td>3</td>
</tr>
<tr>
<td>AER2953</td>
<td>General Aviation Marketing and Management</td>
<td>3</td>
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</table>

**Second Year Term II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PHY1001</td>
<td>Applied Physics*</td>
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<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I*</td>
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**Total Term Semester Hours**: 15

**First Year Term III**

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<th>Course Title</th>
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<tbody>
<tr>
<td>AVM1940</td>
<td>A/P Ops Internship I ***</td>
<td>3</td>
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</tbody>
</table>

**Total Term Semester Hours**: 3
### Program Description

**AVIATION INSTITUTE**

Airport Management Certificate Major Code 6304

Program Description

Airport Management certificate is offered as a concentration of specific aviation operations and airport operations management courses combined with one business course to prepare students who are seeking employment in the airport operations field. The certificate provides insight into the day-to-day operational/managerial aspects of the airport environment and expands upon several topics concerning airport operations to include: investigation of incident and accidents, aviation safety on the ground, human factors in aviation, hazardous materials and the identification of hazards, passenger safety, land use, wildlife control, airport security, and overall working knowledge of airports.

**Related Programs**

- Professional Pilot Technology Associate in Science Major Code 2107
- Air Traffic Control Associate in Applied Science Major Code A039
- Aviation Operations Associate in Science Major Code 2105 (2105E)
- Airports Operations Management Associate in Science Major Code 2108
- Aviation Maintenance Management Associate in Science Major Code 2204
- Aircraft Airframe Mechanics Vocational Certificate Major Code 5272
- AVM2640 Airport Management** 3
- Aircraft Power Plant Mechanics Vocational Certificate Major Code 5273
- Avionics Vocational Certificate Major Code 5299

+ Students can earn a degree from 2105 (2105E) or 21051, but not from both of these programs.

| AVM2450 | Airport Planning and Design | 3 |
| AVM2700 | Aviation Safety | 3 |
| AVM1440 | Airport and Airline Security | 3 |
| AVM2410 | Airport Management | 3 |
| ASC2200 | Aviation Law and Regulations | 3 |
| GEB2520 | Business Ethics | 1 |
| **Total Semester Hours** | **16** |

The Airport Management Certificate is available to both US citizens and non-citizens. It is strongly recommended that students see an advisor every term.
Program Description
The Aviation Operations Associate in Science Degrees, offered at the Judson A. Samuels South Campus, are designed for individuals whose career objectives include operational and management positions within the aviation industry. The program also provides the foundation to pursue a bachelor’s degree in management. Selected aviation knowledge is provided together with general business management courses. It is strongly recommended students see the Admissions Coordinator at the Aviation Institute for additional information.

Related Programs
Professional Pilot Technology Associate in Science Major Code 2107
Air Traffic Control Associate in Applied Science Major Code 6399
Airport Operations Management Associate in Science Major Code 2105
Airport Management Certificate Major Code 6304
Aviation Maintenance Management Associate in Science Major Code 2204
Aircraft Airframe Mechanics Vocational Certificate Major Code 5272
Aircraft Power Plant Mechanics Vocational Certificate Major Code 5273
Avionics Vocational Certificate Major Code 5299

Students can earn a degree from 2105 (2105E) or 21051, but not from both of these programs.

First Year Term I
<table>
<thead>
<tr>
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<tr>
<td>ATT1100</td>
<td>Aeronautical Science*</td>
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<tr>
<td>ASC1000</td>
<td>Navigational Science I*</td>
<td>3</td>
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<tr>
<td>ENC1101</td>
<td>Composition I*</td>
<td>3</td>
</tr>
<tr>
<td>SPC1024</td>
<td>Introduction to Speech or</td>
<td>3</td>
</tr>
<tr>
<td>SPC1608</td>
<td>Introduction to Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy or</td>
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</tr>
<tr>
<td>Elective</td>
<td>Flight Course: ATV 1100, ATV 2200, ATV 2210, or ATV 2300 for which Flight training costs apply.</td>
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<td>AVM2301</td>
<td>General Aviation Marketing and Management</td>
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<tr>
<td>ENC1102</td>
<td>Composition II* or</td>
<td>3</td>
</tr>
<tr>
<td>ENC2210</td>
<td>Technical Report Writing*</td>
<td>3</td>
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<tr>
<td>ASC1010</td>
<td>Aviation History</td>
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<tr>
<td>MAC1105</td>
<td>College Algebra*</td>
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<tr>
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<tr>
<td>POS2041</td>
<td>National Government</td>
<td>3</td>
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<tr>
<td>GE Course</td>
<td>General Education Humanities*</td>
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Second Year Term I
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<th>Course Title</th>
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<tr>
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<tr>
<td>ASC2110</td>
<td>Aviation Weather*</td>
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<td>ECO2013</td>
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<td>ACC2001</td>
<td>Principles of Accounting I (1)</td>
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<tr>
<td>STA2023</td>
<td>Elementary Statistics*</td>
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Second Year Term II
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>ECO2023</td>
<td>Principles of Economics II * (1)</td>
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</tr>
<tr>
<td>ACC2011</td>
<td>Principles of Accounting II * (1)</td>
<td>3</td>
</tr>
<tr>
<td>PHY1001</td>
<td>Applied Physics * (2)</td>
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</tr>
<tr>
<td>PHY1001L</td>
<td>Applied Physics Lab * (2)</td>
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</tr>
<tr>
<td>ASC2870</td>
<td>Aviation Safety *</td>
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</tr>
<tr>
<td>Total Program Semester Hours</td>
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</tr>
</tbody>
</table>

Continued on next page.

Student interested in flight operations may substitute the following courses for those marked with (1):
- ASC2110 Navigational Science II;
- ATT2120 Instrument Flight Theory;
- ATT2110 Commercial Flight Theory, or
- Elective A Flight Course: ATF 1100, ATF 2200, ATF 2210, or ATF 2500 for which Flight training costs apply.

Second Year Term III
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECO2023</td>
<td>Principles of Economics II * (1)</td>
<td>3</td>
</tr>
<tr>
<td>ACC2011</td>
<td>Principles of Accounting II * (1)</td>
<td>3</td>
</tr>
<tr>
<td>PHY1001</td>
<td>Applied Physics * (2)</td>
<td>3</td>
</tr>
<tr>
<td>PHY1001L</td>
<td>Applied Physics Lab * (2)</td>
<td>1</td>
</tr>
<tr>
<td>ASC2870</td>
<td>Aviation Safety *</td>
<td>3</td>
</tr>
<tr>
<td>Total Program Semester Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Continued on next page.

Some universities require General Physics
Since 1966 our aviation school has been preparing students for careers in: Professional Pilot Technology, Aviation Maintenance Management, Aviation Operations, Airport Operations Management, and Air Traffic Control.

It is strongly recommended that students see an advisor every term.
# Aviation Maintenance Management Associate in Science

## Program Description
The Aviation Maintenance Management Associate in Science degree provides students with the academic skills to complement their technical training. The plan of study complies with the Federal Aviation Regulations Part 147 for an approved aviation maintenance technician's school, and, in addition, offers the advantages of college-level academic and management courses.

Students seeking an Associate in 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.

## Related Programs
- **Professional PIke Technology Associate in Science Major Code 2107**
- **Air Traffic Control Associate in Applied Science Major Code A039**
- **Aviation Operations Associate in Science Major Code 2105 (2105E)**
- **Airport Operations Management Certificate Major Code 6304**
- **Aircraft Airframe Mechanics Vocational Certificate Major Code 5272**
- **Aircraft Power Plant Mechanics Vocational Certificate Major Code 5273**
- **Avionics Vocational Certificate Major Code 5299**

## First Year (General)

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>AMT1001</td>
<td>Basic Electricity *</td>
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## Second Year (Power Plant)

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## Total Semester Hours
- **First Year:** 24
- **Second Year:** 24
- **Total:** 48

## General Education Requirements
- **Humanities:** 3
- **Social/Behavioral Sciences:** 3
- **Science:** 3
- **Mathematics:** 3
- **Elective:** 1
- **Business Elective:** 1

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 Associate Dean.

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

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* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/parsed on line at www.broward.edu/studentresources/advising/Pages/gened.aspx.
* Requires a pre- or co-requisite or proper score on placement test. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

** Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

‡ Business Elective select from the following courses
- GEB2430 Business Ethics 1
- OST1330 Business English 1
- OST2653 Successful Job Search 1
- BCT1767 OSHA Standards 1
It is strongly recommended that students see an advisor every term.
It is strongly recommended that students see an advisor every term.

Total Clock Hours 360

AVS0093C Navigation/Support Systems Items 180
AVS0092C Avionics Communication Systems 180

Block II

AVS0092C Avionics Communication Systems 180
AVS0093C Navigation/Support Systems Items 180
Total Clock Hours 360

*Program Clock Hours 720

It is strongly recommended that students seek an advisor every term.

Program Description
Broward College’s Aviation Institute is proud to offer a 720 hour (two terms) certificate program. It’s a blended course that meets twice weekly on campus and three times a week online. On campus days will be dedicated to NIDA electronics labs, aircraft visits and projects. State-of-the-art NIDA electronics training equipment is utilized for this program and FCC testing is available on site. Avionics systems testing is accomplished utilizing B727 aircraft.

Avionics systems are an integral part of aircraft design and have vastly increased aircraft capability. As a result, the growing use of technology in aviation is requiring technicians to spend more time on repairing electronic systems, such as computerized controls. The course content includes, but is not limited to, troubleshooting, repair and installation of airborne radio communications, radio navigation and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basic AM and FM transmitters/receivers and avionics equipment.

Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum.

Those courses are offered in 360 hour blocks and require an interview with the Aviation Admissions Coordinator or the Aviation Maintenance Associate Dean prior to enrollment.

Entrance Requirements
There are three optional entry points into this program:
1. Completion of Airframe Powerplant training or Certification.
2. Electronics training to include:
   - EET1016C DC Circuits
   - CETI114C Digital Techniques
   - MEBT126 Engineering Tech. Mathematics I
   - EET1025C AC Circuits
   - EET1141C Linear Techniques I
   - MBT126 Engineering Tech. Mathematics II
   - CETI117C Microprocessors I
3. Previous Industry experience: To be evaluated by the Aviation Maintenance Associate Dean.

Related Programs
Professional Pilot Technology Associate in Science Major Code 2107
Aviation Maintenance Management Associate in Science Major Code 2204
Aviation Maintenance Management Associate in Science Major Code 2204
Aviation Elective

Related Programs
Aviation Operations Associate in Science Major Code 2105 (2105E)§
Professional Pilot Technology Associate in Science Major Code 2107
Aviation Maintenance Management Associate in Science Major Code 2204
Aviation Elective

First Year Term I
ATT1100 Commercial Flight I* 3
ASC1210 Aviation Weather * 3
ASC2110 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Total Term Semester Hours 15

First Year Term II
ASC2120 Aviation Weather * 3
ASC2121 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Second Year Term I
ASC1210 Aviation Weather * 3
ASC2110 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Total Term Semester Hours 15

First Year Term III
GE Course General Education Humanities+ 3
GE Course General Education Social/Behavioral Sciences+ 3
GE Course General Education Social/Behavioral Sciences+ 3
Total Term Semester Hours 6

The Professional Pilot Program, offered at Professor 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 multi-engine rating and I/II flight instructor certificate is optional. The pilot ground school is fully approved by the FAA and the College is certified as an FAA Air Agency under Federal Aviation Regulations Part 141. BC’s Aviation Institute partners with a contracted flight training provider for flight courses assisting BC students with flight-related career development opportunities. BC graduates who have chosen to also complete the Flight Instructor Certificates will be eligible to interview to become a Flight Instructor in the program. Students who wish to obtain a bachelor’s degree can transfer BC’s credits to a four-year institution.

It is strongly recommended students see the Admissions Coordinator at the Aviation Institute for additional information.

Professional Pilot Technology
Prepares students for FAA certification as private pilot and commercial pilot with instrument rating with career-path opportunities to include multi-engine rating and certified flight instructor. Career path graduates are provided job interviews and job placement opportunities.

Related Programs
Aviation Operations Associate in Science Major Code 2105 (2105E)§
Professional Pilot Technology Associate in Science Major Code 2107

There are three optional entry points into this program:
1. Completion of Airframe Powerplant training or Certification.
2. Electronics training to include:
   - EET1016C DC Circuits
   - CETI114C Digital Techniques
   - MEBT126 Engineering Tech. Mathematics I
   - EET1025C AC Circuits
   - EET1141C Linear Techniques I
   - MBT126 Engineering Tech. Mathematics II
   - CETI117C Microprocessors I
3. Previous Industry experience: To be evaluated by the Aviation Maintenance Associate Dean.

Related Programs
Professional Pilot Technology Associate in Science Major Code 2107
Aviation Maintenance Management Associate in Science Major Code 2204
Aviation Elective

First Year Term I
ATT1100 Commercial Flight I* 3
ASC1210 Aviation Weather * 3
ASC2110 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Total Term Semester Hours 15

First Year Term II
ASC2120 Aviation Weather * 3
ASC2121 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Second Year Term I
ASC1210 Aviation Weather * 3
ASC2110 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Total Term Semester Hours 15

First Year Term III
GE Course General Education Humanities+ 3
GE Course General Education Social/Behavioral Sciences+ 3
GE Course General Education Social/Behavioral Sciences+ 3
Total Term Semester Hours 6

The Professional Pilot Program, offered at Professor 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 multi-engine rating and I/II flight instructor certificate is optional. The pilot ground school is fully approved by the FAA and the College is certified as an FAA Air Agency under Federal Aviation Regulations Part 141. BC’s Aviation Institute partners with a contracted flight training provider for flight courses assisting BC students with flight-related career development opportunities. BC graduates who have chosen to also complete the Flight Instructor Certificates will be eligible to interview to become a Flight Instructor in the program. Students who wish to obtain a bachelor’s degree can transfer BC’s credits to a four-year institution.

It is strongly recommended students see the Admissions Coordinator at the Aviation Institute for additional information.

Professional Pilot Technology
Prepares students for FAA certification as private pilot and commercial pilot with instrument rating with career-path opportunities to include multi-engine rating and certified flight instructor. Career path graduates are provided job interviews and job placement opportunities.

Related Programs
Aviation Operations Associate in Science Major Code 2105 (2105E)§
Professional Pilot Technology Associate in Science Major Code 2107
Aviation Maintenance Management Associate in Science Major Code 2204
Aviation Elective

First Year Term I
ATT1100 Commercial Flight I* 3
ASC1210 Aviation Weather * 3
ASC2110 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Total Term Semester Hours 15

First Year Term II
ASC2120 Aviation Weather * 3
ASC2121 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Second Year Term I
ASC1210 Aviation Weather * 3
ASC2110 Navigation Science II* 3
ATT2120 Instrument Flight Theory* 3
ATF2200 Commercial Flight I* 3
ATF2600 Flight Simulator Training* 3
Total Term Semester Hours 15

First Year Term III
GE Course General Education Humanities+ 3
GE Course General Education Social/Behavioral Sciences+ 3
GE Course General Education Social/Behavioral Sciences+ 3
Total Term Semester Hours 6

Continued on next page.
AVIATION INSTITUTE
Professional Pilot Technology Associate in Science Major Code 2107 (cont.)

* Requires a pre- or co-requisite or proper score on placement test. See course description online at www.broward.edu/text/ext/CourseDescDepartmentList.jsp.

** CGS1060C must be completed within the first 15 hours of Broward College coursework. Students who successfully complete the Basic Student Technology literacy Test may select from the following list of courses to complete the degree requirement:

AVM1440 Airport/Airline Security,
ASC2410 Airport Management,
ASC1550 Aerodynamics,
AVM2450 Airport Planning and Design,
ASC2520 Aviation Law and Regulations,
AVM2510 Airline Management, or
AVM2501 General Aviation Marketing and Management

(1) Flight training costs apply.

(2) Aviation Elective: Students may select ATF 2500, Flight Instructor Training; or ATF2400, Multi-Engine, with ATF2650, Multi-Engine Simulator; or select another Aviation course as an elective. See Aviation Department for other options.

(3) Students transferring to Florida Atlantic University (FAU), Bachelor of Business Administration, major in Management (BBA) should take ECO2013 for their General Education Social/Behavioral Science and MAC 2233 for their General Education Mathematics course. They also may complete the following courses at BC:

ENC1102, Composition II;
STA 2023, Introduction to Statistics,
ACG2001, Accounting I;
ACG 2011, Accounting II, and
ECO, Economics II.

(4) PHY2053, General Physics I and PHY2053L, General Physics I Lab may be substituted by students with the appropriate math pre-requisites. Some universities require General Physics.

* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx

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

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

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AVIATION INSTITUTE
Commercial Flight Operations Technical Certificate Major Code 6521

Program Description
The Commercial Flight Operations Technical Certificate, offered at the Judson A. Samuels South Campus, is part of the existing Associate of Science Degree in Professional Pilot Technology. The purpose of this program is to provide instruction in: safe and efficient work practices, FAA pilot certification procedures, aircraft systems and components, flight safety, instrumentation; and employability skills. This is not a flight certificate; this certificate is an academic credential of aeronautical background and knowledge. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Professional Pilot Technology.

For more information call 954-201-8687.

Related Program:
Professional Pilot Technology Associate in Science Major Code 2107

Technical Core Courses

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<td>ASC1610</td>
<td>Aircraft Engines, Structures, and Systems</td>
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Total term credit hours 24

* Requires a pre- or co-requisite or proper score on placement test. See course description online at www.broward.edu/text/ext/CourseDescDepartmentList.jsp.

It is strongly recommended that students see an advisor every term.
BUILDING CONSTRUCTION TECHNOLOGY
Associate in Science Major Code 2184

Program Description
The Building Construction Technology Program, offered at the Willis Holcombe Center (Downtown), 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
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<td>Total Term Semester Hours</td>
<td>15</td>
</tr>
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</table>

First Year Term III, Session II
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE Course</td>
<td>General Education Social &amp; Behavioral Science</td>
<td>5</td>
</tr>
<tr>
<td>GE Course</td>
<td>General Education Humanities</td>
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Second Year Term I
<table>
<thead>
<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PHY1001</td>
<td>Applied Physics</td>
<td>3</td>
</tr>
<tr>
<td>BCN253C</td>
<td>Building Construction Drawing II*</td>
<td>4</td>
</tr>
<tr>
<td>BCTN264C</td>
<td>Construction Estimating II</td>
<td>3</td>
</tr>
<tr>
<td>BCTN1767</td>
<td>Construction Documents</td>
<td>2</td>
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</table>

Second Year Term II
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<tbody>
<tr>
<td>BCTN787C</td>
<td>MEP Drawing</td>
<td>3</td>
</tr>
<tr>
<td>SPC1024</td>
<td>Introduction to Speech</td>
<td>3</td>
</tr>
<tr>
<td>BCT1745</td>
<td>Construction Law</td>
<td>2</td>
</tr>
<tr>
<td>GRA2403</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>BCT2941L</td>
<td>Building Construction Field Experience</td>
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</tr>
<tr>
<td>BCT2710</td>
<td>Infrastructure Coordination</td>
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</tr>
<tr>
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</tbody>
</table>

Total Term Semester Hours 64

** Requires a pre- or co-requisite. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp

** CGS1060C must be completed within the first 15 hours of Broward College coursework.

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

BUILDING CONSTRUCTION
Building Construction Specialist Technical Certificate Major Code 6315

Program Description
The Building Construction Specialist Technical Certificate, offered at the Willis Holcombe Center (Downtown), is part of the existing Associate of Science Degree in Building Construction Technology. This certificate is designed for those currently employed in the construction industry, or for persons seeking entry-level employment in areas such as estimators, construction inspectors, materials testers, quality control assistants, or schedulers. The certificate can be taken as a stand-alone program or in conjunction with the Building Construction Technology AS degree. For additional information call 954-201-7412.

Related Program:
Building Construction Technology Major Code 2184

Technical Core Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BCT 1779</td>
<td>Construction Estimating I</td>
<td>2</td>
</tr>
<tr>
<td>ARC 2461</td>
<td>Materials and Methods of Construction</td>
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</tr>
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<td>BCN 1251C</td>
<td>Building Construction Drawing I*</td>
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</tr>
<tr>
<td>BCT 2760</td>
<td>Building Codes and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>BCN 1272</td>
<td>Building Construction Plans Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>BCN 2560</td>
<td>Mechanical and Electrical Systems</td>
<td>3</td>
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It is strongly recommended that students see an advisor every term.
It is strongly recommended that students see an advisor every term.

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>I</td>
<td>ENO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>I</td>
<td>MTH 1100 Business Mathematics</td>
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<tr>
<td>I</td>
<td>MTB 1103 Business Mathematics</td>
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<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>ACG 2001 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>PHI 2000 Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>GE Course General Education Science</td>
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</tr>
<tr>
<td>II</td>
<td>GE Course General Education Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>II</td>
<td>MAC 1106 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>MAC 2233 Business Calculus</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>SPC 1088 Introduction to Public Speaking or</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>SPC 1024 Introduction to Speech Communication</td>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>III</td>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>III</td>
<td>CGS 1060 Computer and Internet Literacy†</td>
<td>3</td>
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<tr>
<td>III</td>
<td>CGS 1060C Computer and Internet Literacy</td>
<td>3</td>
</tr>
<tr>
<td>III</td>
<td>MTH 1130 Applied Mathematics‡</td>
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<tr>
<td>III</td>
<td>Total Program Semester Hours</td>
<td>16</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
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<tr>
<td>ENC 1102 Composition II</td>
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</tr>
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<td>3</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GE Course General Education Science</td>
<td>3</td>
</tr>
<tr>
<td>GE Course General Education Science Lab</td>
<td>1</td>
</tr>
<tr>
<td>MAC 1106 College Algebra</td>
<td>3</td>
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<tr>
<td>MAC 2233 Business Calculus</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1088 Introduction to Public Speaking or</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1024 Introduction to Speech Communication</td>
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<tr>
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<table>
<thead>
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<tbody>
<tr>
<td>ACG 2001 Principles of Accounting I</td>
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<tr>
<td>ACG 2011 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2011 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071 Managerial Accounting</td>
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</tr>
<tr>
<td>CGS 1060C Computer and Internet Literacy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3</td>
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</tbody>
</table>

# Course counts as a General Education and as a Program pre-requisite.
## Any ACG, GES, MKA, MNA, MAN, MAR, TRA, FIN, BUL, or ECO course.
### 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 Credits Hours
Courses Required to Complete Degree - 66 Semester Credits Hour
Total University - 66 Semester Hours

Note: Some courses may require a "C" or higher to transfer to some universities.
**BUSINESS ADMINISTRATION**

**Business Management Technical Certificate Major Code 62671 (6267E)**

**Program Description**
The Business Management Technical Certificate is part of the existing Associate of Science Degree in Business Administration. This certificate is designed to prepare students to become small business owners and managers, or to provide supplemental training for persons previously or currently employed in these positions. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Business Administration or another related technical certificate or degree. All courses are available on-line.

**Related Programs**
- Business Administration Associate in Science Major Code 2119 (2119E)
- Customer Service Group Technical Certificate Major Code 62672
- Sports Management Group Technical Certificate Major Code 62673
- Business Specialist Technical Certificate Major Code 6288 (6288E)
- Entrepreneurship Management Technical Certificate Major Code 62674
- Business Operations Technical Certificate Major Code 6220

**Core Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy **</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course (3 credits) from the following areas:</td>
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<td></td>
</tr>
<tr>
<td>Communications Area</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Choose three courses (9 credits) from the following areas:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting/Finance/Eco Group</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Choose three courses (9 credits) from only one of the following areas:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Banking Group OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Customer Service Group OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Specialization</td>
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<td>9</td>
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<tr>
<td>Total Program Credit Hours</td>
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</table>

**Total Program Credit Hours**: 12

---

**BUSINESS ADMINISTRATION**

**Business Operations Technical Certificate Major Code 6230**

**Program Description**
The Business Operations Technical Certificate, offered at A. Hugh Adams Central, North, and Judson A. Samuels South Campuses, is a program designed to prepare students to work within existing businesses and contribute at a high level. Upon successful completion of this program, the student can also proceed toward completion of an AS Degree in either Business Administration or Marketing Management.

**Related Programs**
- Business Administration Associate in Science Major Code 2119 (2119E)
- Business Management Technical Certificate Major Code 62671 (6267E)
- Customer Service Group Technical Certificate Major Code 62672
- Sports Management Group Technical Certificate Major Code 62673
- Business Specialist Technical Certificate Major Code 6288 (6288E)
- Entrepreneurship Management Technical Certificate Major Code 62674

**Core Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy **</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course (3 credits) from the following areas:</td>
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<td></td>
</tr>
<tr>
<td>Communications Group</td>
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<tr>
<td>Choose two courses (6 credits) from the following areas:</td>
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<td></td>
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<tr>
<td>Accounting/Finance/Eco Group</td>
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</tr>
<tr>
<td>Choose two courses (6 credits) from only one of the following areas:</td>
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<td></td>
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<tr>
<td>Banking Group OR</td>
<td></td>
<td></td>
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<tr>
<td>Customer Service Group OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Group</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total Program Credit Hours</td>
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</table>

**Total Program Credit Hours**: 18

---

**BUSINESS ADMINISTRATION**

**Business Specialist Technical Certificate Major Code 6288 (6288E)**

**Program Description**
The Business Specialist Technical Certificate is part of the existing Associate of Science Degree in Business Administration. This certificate is designed to prepare students for entry-level positions in a variety of business environments, or to provide supplemental training for persons previously or currently employed in management and supervisory occupations. 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. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Business Administration or another related technical certificate. All courses are available on-line.

**Related Programs**
- Business Administration Associate in Science Major Code 2119 (2119E)
- Business Management Technical Certificate Major Code 62671 (6267E)
- Customer Service Group Technical Certificate Major Code 62672
- Sports Management Group Technical Certificate Major Code 62673
- Business Specialist Technical Certificate Major Code 6288 (6288E)
- Entrepreneurship Management Technical Certificate Major Code 62674
- Business Operations Technical Certificate Major Code 6230

**Core Courses**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy **</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course (3 credits) from the following areas:</td>
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<td></td>
</tr>
<tr>
<td>Communications Area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one course (3 credits) from the following areas:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting/Finance/Eco Group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one course (3 credits) from the following areas:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Banking Group OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Customer Service Group OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Group</td>
<td></td>
<td>5</td>
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<tr>
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</table>

**Total Program Credit Hours**: 12
BUSINESS ADMINISTRATION
Business Specialist Technical Certificate Major Code 6288 (6288E)

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. All courses are available on-line.

Related programs:
- International Business Management Specialization Associate in Applied Science Major Code A007
- Business Administration Associate in Science Major Code 2119
- Business Management Technical Certificate Major Code 62671
- Sports Management Specialization Technical Certificate Major Code 62673
- Entrepreneurship Technical Certificate Major Code 62674

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG2001</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>CGSI808C</td>
<td>Computer and Internet Literacy</td>
<td>3</td>
</tr>
<tr>
<td>MAM2064</td>
<td>International Business Environment</td>
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</tr>
<tr>
<td>MTH103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Semester Hours: 12

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

Note: The Major Code 6288E is for students who take this program on-line.

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG2001</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>GEB1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>MNA2245</td>
<td>Principles of Supervision</td>
<td>3</td>
</tr>
<tr>
<td>OSE2335</td>
<td>Communications in the Workplace</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Semester Hours: 12

It is strongly recommended that students see an advisor every term.
It is strongly recommended that students see an advisor every term.
COMPUTER INFORMATION TECHNOLOGY
Help Desk Specialist Technical Certificate Major Code 62822

Program Description
The Help Desk Specialist technical certificate program, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as help desk specialists. It is designed for students seeking the skills set necessary to be successful in their careers ranging from advance knowledge of Microsoft Office to Microsoft Enterprise Desktop Support and CompTIA system and network (A+ and Net+).

Related Programs
Computer Systems Specialist Associate in Science Major Code 21491
Computer Information Technology Tech Support Specialist Associate in Science Option Major Code 21493
Microsoft Office Specialist (MOS) Technical Certificate Major Code 62823
Support Technician Technical Certificate Major Code 6284

◊ Students can earn a degree from 21491, 21493 or 21495, but not from two or more of these programs.
◊ Students can earn a certificate from either 62822 or 62823, but not from both programs.

Required Courses
CTS1133C  A+ Essentials  3
CTS2131C  A+ Practical  3
CTS1134C  Network+  4
CGS2100C  Computer Applications  3
CTS2156C  Microsoft Enterprise Desktop Support  4
Elective  College-Level Course Elective*  1
Total Program Semester Hours  18

1. Prerequisite – CTS1133C (with a grade of C or higher)
2. Prerequisite – CGS1060C (with a grade of C or higher) or placement.
3. Prerequisites – CTS1327C or (CTS1213C and CTS1134C and CTS2131C) each with a grade of C or higher

◊ College-Level Course Elective: any college-level, transferable course.

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

COMPUTER INFORMATION TECHNOLOGY
Microsoft Office Specialist (MOS) Technical Certificate Major Code 62823

Program Description
Information Technology Support Specialist –Microsoft Office Specialist certificate program, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as Microsoft Office specialists. It is designed for students seeking the skills set necessary to be successfully in their careers as Microsoft Office Specialist (MOS).

Related Programs
Computer Systems Specialist Associate in Science Major Code 21491
Computer Information Technology Tech Support Specialist Associate in Science Option Major Code 21493
Help Desk Specialist Technical Certificate Major Code 62822
Support Technician Technical Certificate Major Code 6284

◊ Students can earn a degree from 21491, 21493 or 21495, but not from two or more of these programs.
◊ Students can earn a certificate from either 62822 or 62823, but not from both programs.

Required Courses
CTS1213C  Microsoft Specialist: Windows and Outlook for Business  3
CTS1220C  Microsoft Specialist: Word  3
CTS1225C  Microsoft Specialist: Excel  3
CTS1230C  Microsoft Specialist: PowerPoint  3
CTS1362C  Microsoft Specialist: Sharepoint  3
CTS1431C  Microsoft Specialist: Access  3
Total Program Semester Hours  18

1. Prerequisite – CGS1060C (with a grade of C or higher) or placement.

It is strongly recommended that students see an advisor every term.
It is strongly recommended that students see an advisor every term.
An AS degree in Criminal Justice may be earned by completing the General Education and Criminal Justice Core Requirements and courses indicated in the emphasis 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.

### Related Programs
- Criminal Justice Certificates (restricted admission)
- Broward County Correctional Probation Academy Major Code 5282
- Corrections Office Academy Major Code 5270
- Corrections Officer Cross over to Florida CMS Law Enforcement Major Code 5279
- Police Service Areia Academy Major Code 5271

### Criminal Justice Core Courses
- **ENC1101** Composition I 3
- **ENC1102** Composition II* or **ENC2210** Technical Report Writing* 3
- **GE Course** General Education Science+ 3
- **GE Course** General Education Mathematics+ 3
- **GE Course** General Education Humanities+ 3
- **POSS04** National Government or **POSS01** State and Local Government 3
- **PSY2012** General Psychology or **SYG2000** General Sociology 3
- **SPC1024** Intro to Speech Communications or **SPC1088** Public Speaking 3
- **CGS1060C** Computer and Internet Literacy** or **Elective Any college-level transferable course 3
- **CJE2170** Introduction to Criminal Justice 3
- **CJL1106** Constitutional Law 3
- **CJE2191** Human Behavior in Criminal Justice 3
- **CJE2600** Criminal Investigation 3
- **Total Core Semester Hours** 39

* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/ posted online at www.broward.edu/ studentresources/advising/ Pages/general.aspx.
* Requires a pre- or co-requisite. See course description online at www.broward.edu/next/next/CourseDescDepartmentList.jsp.

**CGS1060C is required unless the student successfully passes the basic student technology literacy test administered by BC. CGS1060C must be completed within the first 15 hours of Broward College coursework.

It is strongly recommended that students see an advisor every term. Continued on next page.

### Criminal Justice Emphasis Major Code 21101

1. **Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.**

#### Criminal Justice Core Courses
- **CJE1100** Criminal Law 3
- **CJL1130** Criminal Evidence and Court Procedures 3
- **CJL2001** Juvenile Justice 3
- **CCJ2533** Corrections Practicum* 3
- **CJL1140** Correctional Law 3
- **CJE1100** Introduction to Criminal Justice Administration and Management 3
- **CJE2170** Comparative World Polie 3
- **CJE2400** Police Community Relations 3
- **Total Program Semester Hours** 64

* Criminal Justice Elective Courses select four course from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CJE2900</td>
<td>Introduction to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CJE2901</td>
<td>Pretrial and Parole Procedures</td>
<td>3</td>
</tr>
<tr>
<td>CJE2908</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJE2933</td>
<td>Corrections Practicum*</td>
<td>3</td>
</tr>
<tr>
<td>CJE2950</td>
<td>Correctional Law</td>
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</tr>
<tr>
<td>CJE2955</td>
<td>Introduction to Criminal Justice Administration and Management</td>
<td>3</td>
</tr>
<tr>
<td>CJE2960</td>
<td>Comparative World Polie</td>
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</tr>
<tr>
<td>CJE2965</td>
<td>Police Community Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

# Electives Credit to be selected from CCJ 2949, Criminal Justice Co-op and/or any transferable any College Level Courses.

### Crime Scene Emphasis Major Code 21102

1. **Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.**

#### Criminal Justice Core Courses
- **CJE1100** Criminal Law 3
- **CJL1130** Criminal Evidence and Court Procedures 3
- **CJL2001** Juvenile Justice 3
- **CCJ2533** Corrections Practicum* 3
- **CJL1140** Correctional Law 3
- **CJE1100** Introduction to Criminal Justice Administration and Management 3
- **CJE2170** Comparative World Polie 3
- **Total Program Semester Hours** 64

* Requires a pre- or co-requisite. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

### Polygraph Emphasis Major Code 21104

1. **Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.**

#### Criminal Justice Core Courses
- **CJE1100** Criminal Law 3
- **CJL1130** Criminal Evidence and Court Procedures 3
- **CJL2001** Juvenile Justice 3
- **CJE2950** Introduction to Criminal Justice Administration and Management 3
- **CJE2960** Comparative World Polie 3
- **Total Program Semester Hours** 64

### Polygraph Emphasis Courses

#### Criminal Justice Core Courses
- **CJE2723** Test Questions Construction and Validation 3
- **CJE2724** Computerized Personnel Screening 3
- **CJE2725** Chart Analysis, Validity and Reliability 4
- **CJE2726** Polygraph Operations Practicum 3
- **Total Program Polygraph Emphasis Semester Hours** 19

* Requires a pre- or co-requisite. See course description online at www.broward.edu/next/next/CourseDescDepartmentList.jsp.

### Polygraph Coursework

The credits for the Polygraph courses are 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.
It is strongly recommended that students see an advisor every term.

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

Criteria for Admissions to the Police Academy Program

- High School diploma or GED.
- BAT (Basic Abilities Test)
- For more information on testing, please call 954-201-6931 or 954-201-6790.

Related Programs

AS Degrees

- Criminal Justice Emphasis Major Code 21101
- Crime Scene Emphasis Major Code 21102
- Polygraph Emphasis Major Code 21104

Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.

Critical Justice Certificates (restricted admission)

- Correctional Probation Officer Academy Major Code 5282
- Correctional Officer Cross-Over to Florida CMS Law Enforcement Major Code 5278
- Correctional Probation Officer Cross-Over to Florida CMS Law Enforcement Major Code 5296
- Police Academy Major Code 5269
- Police Service Aide Major Code 5271
- CMS Law Enforcement Auxiliary Officer Major Code 5301

Required Courses

- CJ00270 Criminal Justice Legal 1 46
- CJ00285 Criminal Justice Legal 2 22
- CJ00286 Criminal Justice Communications 42
- CJ00110 Interpersonal Skills 1 62
- CJ00151 First Aid for Criminal Justice Officers 40
- CJ00408 Criminal Justice Firearms 80
- CJ00581 Criminal Justice Defensive Tactics 80
- CJ00905 Criminal Justice Special Topics 20
- CJ00101 Interpersonal Skills 2 50
- CJ00480 Emergency Preparedness 26
- CJ00210 Correctional Operations 64
- CJ00280 Criminal Justice Officer Physical Fitness Training 40

Total Clock Hours 552

Upon successful completion of the 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 Corrections Academy.

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

For more information on testing, please call 954-201-6931 or 954-201-6790.

Required Programs

AS Degrees

- Criminal Justice Emphasis Major Code 21101
- Crime Scene Emphasis Major Code 21102
- Polygraph Emphasis Major Code 21104

Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.

Critical Justice Certificates (restricted admission)

- Correctional Probation Officer Academy Major Code 5282
- Corrections Officer Academy Major Code 5270
- Correctional Probation Officer Cross-Over to Florida CMS Law Enforcement Major Code 5296
- Police Service Aide Major Code 5271
- CMS Law Enforcement Auxiliary Officer Major Code 5301

Required Courses

- CJ00221 Correctional Cross-over to Law Enforcement Introduction & Legal 47
- CJ00212 Cross-over to Correctional to Law Enforcement CMS High-Liability 8
- CJ00222 Correctional Cross-over to Law Enforcement Communications 56
- CJ00223 Correctional Cross-over to Law Enforcement Human Issues 32
- CJ00422 Dart-Firing Stun Gun 8
- CJ00861 Handcuff 1 58
- CJ00862 Handcuff 2 40
- CJ00871 Criminal Investigations 56
- CJ00876 Crime Scene Investigations 24
- CJ00882 Traffic Stops 24
- CJ00883 DUI Traffic Stops 24
- CJ00886 Traffic Crash Investigations 32
- CJ00829 CMS Law Enforcement Vehicle Operations 48

Total Clock Hours 457

Upon successful completion of the Law Enforcement Officer-crossover from Correctional Officer program, a currently certified Corrections Officer will be eligible to take the state certification exam to become a certified Florida Law Enforcement Officer.

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

Program Description
The Florida Criminal Justice Standards and Training Commission recognizes the Broward 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 seven 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 Officer Academy Basic Recruit Certificate Program, Law Enforcement Officer-crossover from Correctional Probation Officer; Auxiliary Law Enforcement Officer and the Police Service Aide Certificate Program.

Criteria for Admissions to the Police Academy Program
• High School diploma or GED.
• BAT (Basic Abilities Test)
• For more information on testing, please call 954-201-6931 or 954-201-6790.

Related Programs
AS Degrees
Criminal Justice Emphasis Major Code 21101
Crime Scene Emphasis Major Code 21102
Polygraph Emphasis Major Code 21104
Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.

Criminal Justice Certificates (restricted admission)
Correctional Probation Officer Academy Major Code 5292
Corrections Officer Academy Major Code 5270
Correctional Officer Cross-Over to Florida CMS Law Enforcement Major Code 5278
Correctional Probation Officer Cross-over Training to Florida CMS Law Enforcement Major Code 5296
Police Service Aide Academy Major Code 5271
CMS Law Enforcement Auxiliary Officer Major Code 5301

Required Courses
CJ00087 Introduction to Law Enforcement 11
CJ00088 Legal 69
CJ00091 Criminal Communications 76
CJ00092 Human Issues 40
CJ00093 Criminal Justice Operations 48
CJ00095 CMS First Aid for Criminal Justice 40
CJ00098 Criminal Justice Firearms 80
CJ00097 Defensive Tactics 80
CJ00096 Police 58
CJ00092 Patrol 40
CJ00083 Crime Scene Investigations 24
CJ00081 Criminal Investigations 56
CJ00082 Traffic Stops 24
CJ00088 DUI Traffic Stops 24
CJ00080 Traffic Crash Investigation 32
CJ00090 Criminal Justice Officer 60
CJ00078 Physical Fitness Training 8
Total Clock Hours 270

Upon successful completion of the 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 Police Academy.

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

The completed Police Service Aide application must be submitted TWO WEEKS PRIOR TO START DATE. Applications and projected dates for academy are available on our website www.broward.edu/cps Click on the Police Service Aide link or visit our office at the Central Campus, Building 21, Institute of Public Safety.

The Police Service Aide Academy trains students who are civilian employees of law enforcement agencies as well as students who sponsor themselves. 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 and Florida Department of Education. A student who is accepted into the Police Service Aide Academy will take the following post-secondary adult vocational courses:

Related Programs
AS Degrees
Criminal Justice Emphasis Major Code 21101
Crime Scene Emphasis Major Code 21102
Polygraph Emphasis Major Code 21104
Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.

Criminal Justice Certificates (restricted admission)
Correctional Probation Officer Academy Major Code 5292
Corrections Officer Academy Major Code 5270
Correctional Officer Cross-Over to Florida CMS Law Enforcement Major Code 5278
Correctional Probation Officer Cross-over Training to Florida CMS Law Enforcement Major Code 5296
Police Academy Major Code 5269
CMS Law Enforcement Auxiliary Officer Major Code 5301

Required Courses
CJ00441C Police Service Aide 110
CJ00442 Traffic Accident/Crash Investigator 80
CJ00451 Parking Enforcement Specialist 16
Total Clock Hours 206

Upon successful completion students will receive a certificate of completion for the above listed courses.

In accordance with State law, students must score at least 80 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 Aide Academy Rules of Conduct and Broward College Policy/Student Code of Conduct.

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

The Florida Criminal Justice Standards and Training Commission recognize the Broward 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 seven certificates of achievement programs: Broward County Police Academy Basic Recruit Certificate Program, Broward County Correctional Officer Academy Basic Recruit Certificate Program, Broward County Correctional Probation Officer Academy Certificate Program, Correctional Probation Officer Crossover to Law Enforcement, Law Enforcement Officer-crossover from Correction Officer Certificate Program, Police Service Aide Certificate Program and the Law Enforcement Auxiliary Officer Programs.

Criteria for Admission to the Auxiliary Officer Program

- The student must be hired or sponsored by a law enforcement agency or fire department before being enrolled in the program.
- High School diploma or GED.
- BAT (Basic Abilities Test)
- For more information on testing, please call 954-201-6931 or 954-201-6790.

Related Programs

Criminal Justice Technology Associate in Science:

- Criminal Justice Emphasis Major Code 21101
- Crime Scene Emphasis Major Code 21102
- Police Academy Major Code 5269
- Corrections Officer Academy Major Code 5270
- Correctional Officer Cross-Over to Florida CMS Law Enforcement Major Code 5278
- Correctional Probation Officer Cross-over Training to Florida CMS Law Enforcement Major Code 5296
- Police Service Aide Academy Major Code 5271

§Students can earn a degree from 21101, 21102, or 21104, but not from two or more of these emphases.

Required Courses

- CJJO0240 Law Enforcement Auxiliary Introduction 27
- CJJO0241 Law Enforcement Auxiliary Patrol and Traffic 19
- CJJO0242 Law Enforcement Auxiliary Investigations 17
- CJJO0243 Dartz-Firing Stun Gun 8
- CJJO0651 CMS First Aid for Criminal Justice Officer 40
- CJO8040 CMS Criminal Justice Firearms 80
- CJJO0651 CMS Criminal Justice Defensive Tactics 80
- CJJO0620 CMS Criminal Justice Vehicle Operations 48
- Total Clock Hours 319

Upon successful completion of the Law Enforcement Auxiliary Officer program, the student will possess the skills necessary to volunteer at a Florida law enforcement agency.

It is strongly recommended that students see an advisor every term.
**Program Description**

The Database Technology Associate in Science degree, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as database application developers and database administrators. Students will gain knowledge in areas such as designing, operating, developing and implementing databases, as well as managing, maintaining and distributing the stored information. Students will also become proficient in programming, SQL and database security.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Course Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CTS 2434C Microsoft SQL Server II</td>
<td>Prerequisite– CTS 2445C (with a grade of C or higher)</td>
<td>3</td>
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</tr>
<tr>
<td>CTS 2445C Microsoft SQL Server Administration I</td>
<td>Prerequisite – CTS 2441C (with a grade of C or higher); Pre- or Co- Requisite – CIS 2321C</td>
<td>3</td>
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<tr>
<td>CTS 2441C Oracle Database Administration I</td>
<td>Prerequisite – CTS 2445C (with a grade of C or higher)</td>
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<tr>
<td>CTS 2442C Oracle Database Administration II</td>
<td>Prerequisite – CTS 2445C (with a grade of C or higher)</td>
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<tr>
<td>CTS 2433C Microsoft SQL Server Systems Analysis &amp; Design</td>
<td>Prerequisites – CIS 2321C and COP 2071C (each with a grade of C or higher)</td>
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<tr>
<td>CTS 2435C Microsoft SQL Server Developer I</td>
<td>Prerequisite – CTS 2434C (with a grade of C or higher)</td>
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<tr>
<td>CTS 2438C Microsoft SQL Server Administration II</td>
<td>Prerequisite – CTS 2441C (with a grade of C or higher)</td>
<td>3</td>
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<tr>
<td>CIS 1000C Intro to Computer Science</td>
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<tr>
<td>CIS 1534C Introduction to C++</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COP 2800C Java Programming</td>
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<td></td>
<td>3</td>
</tr>
<tr>
<td>COP 1334C Introduction to Speech Communications</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COP 1335C Introduction to C++</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COP 1111C Linux</td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ENC 1101 Composition</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENA 1111C English Composition</td>
<td>Prerequisite – ENC 1101</td>
<td>3</td>
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<tr>
<td>MAT 1033 College Algebra</td>
<td>Prerequisite – MAT 1053; Pre- or Co- Requisite – CIS 1000C</td>
<td>3</td>
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<tr>
<td>COP 1335C Introduction to C++</td>
<td>Prerequisites – CIS 1000C and COP 1334C (each with a grade of C or higher)</td>
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<tr>
<td>COP 1334C Introduction to Speech Communications</td>
<td>Prerequisite – MAT 1033; Pre- or Co- Requisite – CIS 1000C</td>
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<tr>
<td>COP 1335C Introduction to C++</td>
<td>Prerequisites – CIS 1000C and COP 1334C (each with a grade of C or higher)</td>
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<tr>
<td>ENA 1111C English Composition</td>
<td>Prerequisite – ENC 1101</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Degree Requirements**

- General Education Requirements:
  - Database Specializations (choose one):
  - Database Technology Core Courses:
  - Total General Education Hours: 18
- General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx

**Note:** Students must fulfill the College's computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1000C to earn the degree.

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

- **Prerequisite – MAT 1053; Pre- or Co- Requisite – CIS 1000C**
- **Prerequisite – COP 1334C and COP 1335C (each with a grade of C or higher)**
- **Prerequisite – COP 1334C (with a grade of C or higher); Pre- or Co- Requisite – CIS 2321C**
- **Prerequisite – CIS 2321C and COP 1335C (each with a grade of C or higher)**
- **Prerequisite – ENC 1101**
- **Prerequisite – CIS 2321C**
- **Prerequisite – CIS 2321C and COP 2071C (each with a grade of C or higher)**
- **Prerequisites – CIS 2321C and COP 2071C (each with a grade of C or higher)**
- **Prerequisite – CTS 2445C (with a grade of C or higher)**
- **Prerequisite – CTS 2441C (with a grade of C or higher)**
- **Prerequisites – CTS 2445C and COP 2071C (each with a grade of C or higher)**
- **Prerequisites – CTS 2445C and COP 2071C (each with a grade of C or higher)**
- **Prerequisite – CTS 2434C (with a grade of C or higher)**
- **Prerequisite – CTS 2435C and COP 2516C (each with a grade of C or higher)**
- **Prerequisite – CTS 2434C (with a grade of C or higher)**
- **Prerequisite – CTS 2435C and COP 2071C (each with a grade of C or higher)**
- **Prerequisite – CTS 2434C (with a grade of C or higher)**

It is strongly recommended that students see an advisor every term.
Complete the pre requisite general education courses prior to submitting an application to the program:

CHM105Z Chemistry for Health Sciences* 3
BSC2085 Anatomy and Physiology I* 5
BSC2085L Anatomy and Physiology I Lab* 1

Total Semester Hours 7

Complete the following courses prior to admission into the program:

 ENC1101 Composition I* 3
SPC1060 Introduction to Public Speaking or SPC1061 Introduction to Speech Communications 3
PSY2012 General Psychology 3
SYG2000 Principles of Sociology 3
GE Course General Education Mathematics* 3
GE Course General Education Humanities* 3
BSC2086 Anatomy and Physiology II* 3
BSC2086L Anatomy and Physiology II Lab* 1
MCR2010 Microbiology* 3
MCR2010L Microbiology Lab* 1
HUN1202 Essentials of Nutrition 3

Total Semester Hours 29

Complete a total of 11 credits utilizing any combination of DES courses.

Completion of an ADA accredited Dental Assistant Program that is listed in the database of the Florida Department of Education will provide the 11 credits necessary to satisfy this area (an experiential learning fee may be charged):

Total Semester Hours 11

Complete the following Dental Hygiene Courses:

DEH1002 Preclinical Dental Hygiene I* 2
DEH1002L Preclinical Dental Hygiene I Lab* 3
DEH1800 Dental Hygiene I* 2
DEH1800L Dental Hygiene I Clinic* 1
DEH1802 Dental Hygiene II* 4
DEH1802L Dental Hygiene II Clinic* 3
DEH2036 Pain Control and Dental Anesthesia* 1
DEH2130 Oral Histology and Embryology* 2
DEH4092 Periodontology* 3
DEH4092L Periodontology Laboratory* 1
DEH2350 Dental Pharmacology* 2
DEH2400 General and Oral Pathology* 2
DEH2701 Community Dental Health* 2
DEH2701L Community Dental Health Lab* 1
DEH2840L Dental Hygiene III Clinic* 4
DEH2840 Dental Hygiene III* 2
DEH2840L Dental Hygiene IV Clinic* 4
DEH2840L Advanced Dental Technology Lab* 1

Total Semester Hours 41

Total Program Semester Hours 88

* Requires a pre- or co-requisite. See the course description in this catalog or online at www.broward.edu/next/ext/CourseDesc/DepartmentList.jsp.

• General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/ studentresources/advising/Pages/General.aspx

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

Applied Technical Diploma Major Code B007 (continued)
Associate in Science Degree Major Code 2215 (continued)

ATD Dental Assisting:

DEA1050 Preclinical * 4
DEA1050L Preclinical laboratory * 4
DEA1055 Introduction to Dentistry * 2
DEA1020 Dental Anatomy and Physiology * 3
DEA1100 Dental Materials * 2
DEA1100L Dental Materials Laboratory * 1
DEA1400 Preventive Dentistry * 2
DEA2000 Dental Radiography * 2
DEA2000L Dental Radiography Laboratory * 2
DEA1852 Expanded Functions I * 4
DEA1833 Expanded Functions II * 2
DEA1833L Expanded Functions II Lab * 2
DEA1856 Clinical Procedures I * 2
DEA1806L Clinical Procedures I Lab * 2
DEA1131 Allied Dental Theory * 2
DEA1902 Dental Office Management * 2
DEA1404 Basic Anatomy and Physiology # 2
DEA1155 Dental Psychology * 2
MGF1006 Clinical Procedures II * 1
DES1807L Clinical Procedures II Lab * 5
Total Credits: 50

AS Dental Assisting:

ATD in Dental Assisting (B007) 50
ENC1101 Composition I 3
SPE1024 Introduction to Speech or
SPE1088 Communication/Public Speaking 3
GE Course General Education Humanities+ 3
CHM1032 Chemistry for Health Sciences 3
PSY2012 General Psychology or
SVG2001 Principles of Sociology 3
GE Course General Education Mathematics+ 3
HLP1001 General Education Social/ 3
Total General Education requirements: 20
Total semester hours 70

* Requires a pre- or co-requisite. See the course description online at www.broward.edu/nexttext/CourseDescDepartmentList.jsp.

Specialty Option 3 per the Florida Department of Education Curriculum Frameworks – Dental Practice Management is satisfied with the course

DESI1010 Dental Practice Management as part of the 50 ATD credits.

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

DIAGNOSTIC MEDICAL SONOGRAPHY TECHNOLOGY (ULTRASOUND)
Diagnostic Medical Sonography Associate in Science Major Code 2176

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 (CAAAHP), 1361 Park Street, Clearwater, Florida 33756; Phone 727-210-2530, upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography.

Clinical education is performed in local clinical facilities and is offered concurrently with the didactic courses. On completion of the 24-month program, students will be eligible to apply to sit for the exams of the American Registry of Diagnostic Medical Sonographers. All didactic courses are taught in Building 41, Broward College, North Campus, 1000 Coconut Creek Boulevard, Coconut Creek, Florida. Clinical affiliation sites are located throughout Broward and Palm Beach counties as well as counties serving Edison State College.

Entrance Requirements:
This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/ admissions/Pages/Health-Sciences-Admissions.aspx).

Requirements for the Associate in 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.

First Year, Term I

PHY1001 Applied Physics or Radiographic Physics 3
MCB1106 Liberal Arts Math I or
MAC1106 College Algebra or
STA2023 Statistics* 3
MAC1105 College Algebra or
MGF1106 Liberal Arts Math II or
PHY1001 Applied Physics or Radiographic Physics 3
MGF1105 College Algebra or
MGF1106 Liberal Arts Math I or
MGF1106 Liberal Arts Math II or
MGF1107 College Algebra*
Total Term Semester Hours 16

First Year, Term II

MAC1106 College Algebra or
MGF1106 Liberal Arts Math I or
MGF1106 Liberal Arts Math II or
MGF1106 Liberal Arts Math III or
SCS2052 Principles of Sociology 3
PSY2012 General Psychology or
SVG2001 Principles of Sociology 3
PSY2012 General Psychology or
SVG2001 Principles of Sociology 3
Total Term Semester Hours 8

Second Year, Term I

SON1100L Principles and Protocols of Sonography Imaging 1
SON1100L Principles and Protocols of Sonography Imaging 1
SON1100L Principles and Protocols of Sonography Imaging 1
GE Course General Education Humanities+ 3
Total Term Semester Hours 11

Second Year, Term II

SON1804 Clinical Education 2
SON1804 Clinical Education 2
SON1804 Clinical Education 2
GE Course General Education Humanities+ 3
Total Term Semester Hours 10

Third Year, Term I

SON2013L Fundamentals of Sonography Lab II 1
SON1112 Abdomen Sonography I* 2
SON1112 Abdomen Sonography I* 2
SON1112 Abdomen Sonography I* 2
GE Course General Education Social/ 3
Total Term Semester Hours 10

Third Year, Term II

SON1100L Principles and Protocols of Sonography Imaging 1
SON1804 Clinical Education 2
SON1804 Clinical Education 2
GE Course General Education Social/ 3
Total Term Semester Hours 10

* Requires a pre- or co-requisite. Refer to the course descriptions found at www.broward.edu/nexttext/CourseDescDepartmentList.jsp.

** Successful completion of the basic student technology literacy test, or passing CSS1060C, is required to earn the degree.

# General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/ advisingscounseling/advising/edplanning/page18233.html

It is strongly recommended that students see an advisor every term.
DIGITAL MEDIA/MULTIMEDIA TECHNOLOGY
Digital Media/Multimedia Technology Associate in Applied Science Major Code 2216

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.

Related programs
Digital Media Web Production Technical Certificate Major Code 6286
Digital Media/Multimedia Production Technical Certificate Major Code 6287

<table>
<thead>
<tr>
<th>First Year Term I</th>
<th>Second Year Term I</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I*</td>
<td>DIG 2303C 3D Animation II 3</td>
</tr>
<tr>
<td>DIG 2109C Digital Publishing with InDesign 3</td>
<td>DIG 2116C Digital Imaging Advanced 3</td>
</tr>
<tr>
<td>DIG 2100C Web Development 1 3</td>
<td>DIG 2311C Fundamentals of Digital Media Using Flash Animation 3</td>
</tr>
<tr>
<td>DIG 2115C Digital Imaging Fundamentals Using Photoshop 3</td>
<td>DIG 2302C 3D Animation I 3</td>
</tr>
<tr>
<td>GE Course General Education Mathematics** 3</td>
<td>DIG 2580C Digital Media Portfolio 3</td>
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<tr>
<td>Total Term Hours 15</td>
<td>Total Term Semester Hours 15</td>
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First Year Term II

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<th>First Year Term III, Session I or Session II</th>
<th>Second Year Term II</th>
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<tbody>
<tr>
<td>DIG 2101C Web Development 2 Using Dreamweaver 3</td>
<td>DIG 2304C 3D Animation III 3</td>
</tr>
<tr>
<td>OST 2355 Communications in the Workplace 3</td>
<td>DIG 2940 Internship in Digital Media 4</td>
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<tr>
<td>DIG 2500C Multimedia Authoring 3</td>
<td>DIG 2351C Fundamentals of Digital Media Using Flash Animation 3</td>
</tr>
<tr>
<td>DIG 2280C Digital Video/Audio Editing 3</td>
<td>GE Course General Education Social/Behavioral Science** 3</td>
</tr>
<tr>
<td>DIG 2132C Digital Art &amp; Design with Illustrator 3</td>
<td>Total Term Semester Hours 15</td>
</tr>
<tr>
<td>Total Term Semester Hours 10</td>
<td>Total Program Semester Hours 64</td>
</tr>
</tbody>
</table>

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

DIGITAL MEDIA/MULTIMEDIA TECHNOLOGY
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.

Related Programs
Digital Media/Multimedia Technology Associate in Applied Science Major Code A018
Digital Media/Multimedia Production Technical Certificate Major Code 6287

Required Courses
- DIG2100C Web Development 1 3
- DIG2116C Digital Imaging Fundamentals Using Photoshop 3
- DIG2280C Digital Video/Audio Editing 3
- DIG2500C Multimedia Authoring 3
- DIG2302C Digital Post Production with After Effects 3
- GE Course General Education Mathematics** 3
- Total Program Semester Hours 13

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

DIGITAL MEDIA/MULTIMEDIA TECHNOLOGY
Digital Media/Multimedia Production Technical Certificate Major Code 6287

Program Description
This program is designed to prepare students for initial employment as Digital Media/Multimedia Production Technicians or Digital Media/Multimedia Developers, 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.

Related Programs
Digital Media/Multimedia Technology Associate in Applied Science Major Code A018
Digital Media Web Production Technical Certificate Major Code 6286

Required Courses
- DIG2116C Digital Imaging Advanced 3
- DIG2132C Digital Art & Design with Illustrator 3
- Total Program Semester Hours 15

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

Related Programs:
Child Care Center Management Specialization Major Code 6316
Infant/Toddler Specialization Major Code 6317
Preschool Specialization Program Code 6318
Child Development Specialization Program Code 6319

General Education and Technical Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC1101</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENC1102</td>
<td>Composition II or Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENC2210</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>SPC1024</td>
<td>Introduction to Speech Communications</td>
<td>3</td>
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<tr>
<td>PSY2012</td>
<td>General Psychology</td>
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<tr>
<td>DEP2002</td>
<td>Child Psychology</td>
<td>3</td>
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<td>HLP1081</td>
<td>Total Wellness</td>
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<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy**</td>
<td>3</td>
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<tr>
<td>GE Course</td>
<td>General Education Humanities</td>
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<tr>
<td>GE Course</td>
<td>General Education Science</td>
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<td>GE Course</td>
<td>General Education Science Lab</td>
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<tr>
<td>GE Course</td>
<td>General Education Mathematics</td>
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<tr>
<td>GE Course</td>
<td>General Education Humanities*</td>
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<td>GE Course</td>
<td>Total Program Semester Hours</td>
<td>36</td>
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</tbody>
</table>

Electives Any college-level course

* Requires a pre- or co-requisite. See course description online at www.broward.edu/studentresources/advising/Pages/gened.aspx
** CGS1060C must be completed within the first 15 hours of Broward College coursework.

Program Description
The Infant/Toddler Specialization Technical Certificate, offered at the North Campus, is part of the existing Associate of Science Degree in Early Childhood Education. The purpose of this program is to prepare students as early childhood education caregivers with an infant/toddler specialization or to provide supplementary training for persons previously or currently employed in these occupations. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Early Childhood Education.

Related Programs:
Early Childhood Education Associate in Science Major Code 2166
Child Care Center Management Specialization Major Code 6316
Preschool Specialization Program Code 6318
Child Development Specialization Program Code 6319

Technical Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHD1320</td>
<td>Curriculum Planning For Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CHD2800</td>
<td>Admin and Mgmt. in Early Childhood</td>
<td>5</td>
</tr>
<tr>
<td>EEC1200</td>
<td>Early Childhood Education</td>
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<tr>
<td>EEC1603</td>
<td>Child Guidance</td>
<td>5</td>
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<tr>
<td>Total program credit hours</td>
<td>12</td>
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</tr>
</tbody>
</table>

It is strongly recommended that students see an advisor every term
EARLY CHILDHOOD EDUCATION
Preschool Specialization Program Code 6318

Program Description
The Preschool Specialization Technical Certificate, offered at the North Campus, is part of the existing Associate of Science Degree in Early Childhood Education. The purpose of this program is to prepare students as early childhood education caregivers with a preschool specialization or to provide supplementary training for persons previously or currently employed in these occupations. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Early Childhood Education. For more information call 954-201-2273.

Related Programs:
- Early Childhood Education Associate in Science Major Code 2166
- Child Care Center Management Specialization Major Code 6316
- Infant/Toddler Specialization Major Code 6317
- Child Development Specialization Program Code 6319

Technical Courses
- CHD3320 Curriculum Planning For Early Childhood 3
- CHD2900 Admin and Mgmt. in E C Education 3
- DEP2002 Developmental PSY I: Child Psychology 3
- EEC1603 Child Guidance 3

Total program credit hours 12

It is strongly recommended that students see an advisor every term

EARLY CHILDHOOD EDUCATION
Child Development Specialization Program Code 6319

Program Description
The Child Development Specialization Technical Certificate, offered at the North Campus, is part of the existing Associate of Science Degree in Early Childhood Education. The purpose of this program is to prepare individuals to assume administrative, educational, and care-giving responsibilities within child care facilities or to provide supplementary training for persons previously or currently employed in these occupations. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Early Childhood Education. For more information call 954-201-2273.

Related Programs:
- Early Childhood Education Associate in Science Major Code 2166
- Child Care Center Management Specialization Major Code 6316
- Infant/Toddler Specialization Major Code 6317
- Preschool Specialization Program Code 6318

Term 1
- CHD1938 Math & Science for the Young Child 3
- CHD3320 Curriculum Planning For Early Childhood 3
- CHD334 Children’s Literature & Language Arts 3
- CHD3333 Creativity for Young Children 3

Total term credit hours 12

Term 2
- CHD2000 Practicum II: Observation and Evaluation 3
- CHD2800 Admin and Mgmt. in E C Education 3
- EEC1603 Child Guidance 3
- DEP2002 Developmental PSY I: Child Psychology 3

Total term credit hours 12

Term 3
- CHD2344 Practicum II 3
- PSY2012 General Psychology 3
- SPC1024 Introduction to Speech Communications 3
- EEC1603 Child Guidance 3

Total term credit hours 12

It is strongly recommended that students see an advisor every term
EMERGENCY MANAGEMENT
Emergency Management Associate in Science Major Code 2200 (2200E)

Program Description
The Emergency Management AS degree, offered through the BC Institute of Public Safety located at the Central Campus 954-201-6791, is designed for current Public Safety employees (Law Enforcement, Fire Service or Public Health) seeking to become effective Emergency Managers within their area of expertise. This program is also for those seeking entry-level positions in the area of Public Safety/ Emergency Management.

Related Programs
Emergency Management Technical Certificate Major Code 6303 (6303E)

General Education and Technical Requirements
ENC1101 Composition I 3
ENC1102 Composition II or ENC2210 Technical Report Writing 3
SPC1024 Intro to Speech or SPC1608 Public Speaking 3
PFS2112 State & Local Government or POS2112 State & Local Government or
POS2841 National Government 3
PSE2012 Psychology or SYG2000 Sociology 3
CGS1060C* Computer & Internet Literacy or elective 3
GE Course General Education Humanities - Recommended: PHI 2600, Intro to Ethics 3
GE Course General Education Mathematics+ 3
GE Course General Education Science+ 3
Total Credit Hours 27

Emergency Management Courses:
FES2010 Intro to Emergency Management 3
FFP1850 Intro to Hazards 3
FFP2831 Hazard Planning & Mitigation 3
FFP2840 Disaster Response & Recovery 3
FFP2880 Emergency Management Public Education Programs 3
DSC1002 Terrorism & Domestic Security 3
FPP2801 Introduction to Command (Incident Command System) 3
FFP2841 Emergency Planning for Business & Industry 3
MNA2345 Principles of Supervision 3
MAN2021 Intro to Management or PAD2002 Intro to Public Administration or
GE Course General Education Science+ 3
GE Course General Education Science+ 3
GE Course General Education Science+ 3
Total Emergency Management Credit Hours 33
Total Term Semester Hours 60

+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog/ posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx.
* Emergency Management Elective: any college-level, transferable course.
# Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

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

EMERGENCY MANAGEMENT
Emergency Management Technical Certificate Major Code 6303 (6303E)

Program Description
The Emergency Management vocational certificate, offered through the Institute of Public Safety located at the Central Campus, is designed for current Public Safety employees (Law Enforcement, Fire Service or Public Health) seeking career advancement by obtaining the knowledge and skills to become effective Emergency Managers within their area of expertise. This program is also appropriate for students seeking entry-level positions in the area of Public Safety / Emergency Management. Students who successfully complete the certificate program may use the credits earned toward the AS in Emergency Management degree.

Related Programs
Emergency Management Associate in Science Major Code 2200 (2200E)

Required Courses
FES2010 Intro to Emergency Management 3
FFP1850 Intro to Hazards 3
FFP2831 Hazard Planning & Mitigation 3
FFP2840 Disaster Response & Recovery 3
FFP2880 Emergency Management Public Education Programs 3
DSC1002 Terrorism & Domestic Security 3
FPP2801 Introduction to Command 3
FPP2841 Emergency Planning for Business & Industry 3
Total Semester Hours 24

This certificate program is composed of 8 courses (24 credits total). The 8 courses do not have to be taken in any particular order. However, it is recommended that FES 2010 and FPP 1850 be the first two courses taken by the student.

It is strongly recommended that students see an advisor every term.
# Pre-requisite course for entry to the program.

- General Education courses must be selected from the list of AAS Degree courses found in the College Catalog/posted online at www.broward.edu/advisingcounseling/advising/adplanning/page1833.html

- Required a pre- or co-requisite. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

- Pre-requisite: Florida State EMT I certification

- CGS1060C must be completed within the first 15 hours of Broward College coursework.

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

It is strongly recommended that students see an advisor every term.
EMERGENCY MEDICAL SERVICES PROGRAMS
Paramedic Technical Certificate Major Code 6208

Program Description
Broward College has developed a six (6) semester program in Emergency Medical Services that contains three (3) milestones to meet the needs of the community. The Applied Technology Diploma for the EMT (milestone 1) and the Technical Certificate for the Paramedic (milestone 2) are included in the two-year Associate in Science Degree in Emergency Medical Services (milestone 3). Satisfactory completion of the EMT Technical Diploma 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 and National Registry Examination. An Associate in Science degree in Emergency Medical Services can be earned by completion of six (6) general education courses (18 credit hours) and one (1) specialized EMS course. Students are encouraged to take one general education course per semester during the six (6) semesters in the program. This program is offered at Health Sciences, Central and North campuses.

This program is accredited by the Joint Review Committee on Education Programs for the EMT-Paramedic. Program is offered at the Central and North campuses.

Entrance Requirements
This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx. Applicants should call 954-201-6920 or go to www.broward.edu/academics/programs/emt/Pages/default.aspx for additional information.

Related Programs
Emergency Medical Technician Applied Technology Diploma Major Code 1003
Emergency Medical Services - Associate in Science Major Code 2160

Requirements for the Paramedic Technical Certificate Program:
Completion of 34 semester hours with a grade of “C” or higher in all EMS courses listed below. Students are strongly encouraged to take one (1) general education course in addition to the EMS program courses.

Term I
EMS2010 Body Systems for the Paramedic * 3
EMS2631 Paramedic Science I – Lecture * 3
EMS2631L Paramedic Science I – Skills Lab * 1
EMS2650 Paramedic Science I, Field Clinical * 3
Total Term Semester Hours 8

Term II
EMS2632 Paramedic Science II-Lecture *(U) 3
EMS2632L Paramedic Science II, Skills Lab * 1
EMS2633 Paramedic Science II, Cardio * 3
Respiratory Lecture * 3
EMS2641 Paramedic Science, Hospital Clinical I * 2
EMS2651 Paramedic Science II, Field Clinical * 5
Total Term Semester Hours 12

Term III
EMS2634 Paramedic Science III, Trauma Lecture * 3
EMS2635 Paramedic Science III, Medical Emergencies – Lecture * 3
EMS2642 Paramedic Science, Hospital Clinical II * 2
EMS2652 Paramedic Science III, Field Clinical * 3
Total Term Semester Hours 14

Term IV
EMS2636 Paramedic Science IV - Lecture * 3
EMS2636L Paramedic Science IV Lab * 1
EMS2643 Paramedic Science I Clinical III * 2
EMS2653 Paramedic Science Internship * 4
Total Term Semester Hours 10
Total Program Semester Hours 42

* Requires a pre- or co-requisite. See course descriptions online at www.broward.edu/ext/ext/CourseDescDepartmentList.jsp.

(1) Pre-requisite: Florida State EMT I certification
(2) Students are strongly encouraged to take one (1) general education course in addition to the EMS program courses.

Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

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

ENGINEERING TECHNOLOGY
Engineering Technology Associate in Science Major Code 2207

Program Description
The purpose of this program is to prepare students for employment or provide additional training for persons previously or currently employed in the manufacturing, medical, electronics, aerospace, or other related industries. This degree is a planned sequence of instruction consisting of the three specializations: electronics, alternative energy, and biomedical systems with one common core. It is recommended that students complete the core before advancing to the courses in the next level of specialization. The coverage includes communication skills, technical competency, safe and efficient work practices and a combination of theory and laboratory activities to gain the necessary cognitive and manipulative skills to support engineering design, processes, production, testing, and product quality.

The 18 credit hour technical core has also been aligned with the Manufacturing Skills Standards Councils’ (MSSC) skills standards. The MSSC skill standards define the knowledge, skills, and performance needed for positions in manufacturing. After completing this core and the General Education requirements, the students will be eligible to take the exam for the MSSC Production Technician Certification. The graduates of the Engineering Technology Program can transfer to universities offering the B.S. degree in Engineering Technology.

Related Programs
Biomedical Engineering Technology Advanced Technical Certificate Major Code 6268
Electronics Solar Technician Technical Certificate Major Code 6250

General Education
GE Course General Education Humanities 3
GE Course General Education Mathematics 3
GE Course General Education/Social/Behavioral Science 3
ENC1101 Composition I 3
SPC1024 Intro to Speech Communications or SPC1048 Intro to Public Speaking 3
PHY1101 Applied Physics 3
Total Semester Hours 18

Electronics
ETS1142C Linear Techniques II 3
ETS2326C Electronic Communications 3
ETS2584C Programmable Logic Controllers (L) * 3
Total Semester Hours 9

Biomedical
ETP2402C Introduction to Solar Photovoltaic Systems 3
ETP2410C Installation of Solar Photovoltaic Systems 3
ETS2442C Programmable Logic Controllers (L) * 3
Total Semester Hours 9

Alternative Energy
ETP2410C Introduction to Solar Photovoltaic Systems 3
ETP2442C Programmable Logic Controllers (L) * 3
Total Semester Hours 9

Engineering Specialization (choose one):
Biomedical Engineering Technology Advanced Technical Certificate Major Code 6268
Electronics Solar Technician Technical Certificate Major Code 6250

EET1110C Introduction to Quality 3
ETT1120 Introduction to CAD 3
ETT1140 Process & Materials 3
ETT1170 Safety 3
ETT1170C Measurement Instrumentation 3
ETT2542C Programmable Logic Controllers (L) * 3
Total Semester Hours 18

ETE1100C Electronic Mathematics 3
ETE1141C Linear Techniques I 3
ETE1177C Microprocessors I 3
Total Semester Hours 9

Professional Core
EET1101C AC Circuits * 3
EET1102C DC Circuits * 3
CET1114C Digital Techniques 3
CET1114C Linear Techniques I 3
CET1117C Microprocessors I 3
Total Program Semester Hours 60

** Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

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

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

Program Description
The Alternative Energy Systems Specialist Technical Certificate, offered at the North Campus, is part of the existing Associate of Science Degree in Engineering Technology. The purpose of this program is to prepare students for occupations such as solar photovoltaic technicians, solar thermal installers, and electrical and electronic engineering technicians. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Engineering Technology. For more information call 954-201-2324.

Related Programs
Engineering Technology Associate in Science Major Code 2207
Electronics Aide Technical Certificate Major Code 6322
Biomedical Engineering Technology Advanced Technical Certificate Major Code 4268

Core Courses
EET1084C Introduction to Electronics 3
ETI1110C Introduction to Quality 3
ETI1701 Safety 3
ETS2542C Programmable Logic Controllers (L) * 3
ETP2402C Introduction to Solar Photovoltaic Systems 3
ETP2410C Installation of Solar Photovoltaic Systems * 3
Total Program Hours 18

* Requires a pre- or co-requisite or proper score on placement test. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

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

Engineering Technology
Electronics Aide Technical Certificate Major Code 6322

Program Description
The Electronics Aide Technical Certificate, offered at the North Campus, is part of the existing Associate of Science Degree in Engineering Technology. The purpose of this program is to prepare students for entry-level manufacturing and engineering technician position or to provide supplementary training for persons previously or currently employed in these occupations. This certificate can be taken as a stand-alone program or in conjunction with the AS degree in Engineering Technology. For more information call 954-201-2324.

Related Programs
Engineering Technology Associate in Science Major Code 2207
Biomedical Engineering Technology Advanced Technical Certificate Major Code 4268

Core Courses
EET1025C AC Circuits 3
EET1141C Linear Techniques I 3
ETI1036C DC Circuits * 3
ETS2542C Programmable Logic Controllers (L) * 3
Total Program Hours 12

* Requires a pre- or co-requisite or proper score on placement test. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

It is strongly recommended that students see an advisor every term.
ENGINEERING TECHNOLOGY
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:

Required Courses
EST2438C * Adv. Biomedical Instrumentation 3
CNT2001 Local Area Networking 3
CTSI113C PC Support-Operating Systems 3
CTS2131C * As- Advanced 1 3
CET2123C * Microprocessors II 4
EET2326C * Electronic Communications 3
Total Semester Hours 19

* Requires a pre- or co-requisite or proper score on placement test. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

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

ENVIRONMENTAL SCIENCE TECHNOLOGY
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.

Required Programs
Geographic Information Systems Advanced Technical Certificate Major Code 4277

First Year, Term I**
ENC1101 Composition I* 3
CHM1025 Introduction to Chemistry 3
CHM1025L Introduction to Chemistry Lab 1
BSC1005 General Biology 3
BSC1005L General Biology Lab 1
SPC1024 Introduction to Speech Communications 3
Total Term Semester Hours 15

First Year, Term II
ENC2210 Professional and Technical Writing* 3
EVR1009 Environmental Science* 3
ORH1523 Native Upland Plants 2
ORH1524 Native Wetland Plants 2
EVS2893C Environmental Sampling and Analysis* 5
Total Term Semester Hours 15

First Year, Term III, Session II or III
GE Course General Education Mathematics+ 3
Elective Environmental Science Elective‡ 3
Total Term Semester Hours 6

Second Year, Term I
EVR1858 Environmental Regulations 3
GIS1040C Introduction to Geographic Information Systems I 3
SWS2242C Wetlands Management I 3
MCB2010 Microbiology 3
Total Term Semester Hours 14

Second Year, Term II
EVR2949 Co-op Internship 3
GIS1040C Introduction to Geographic Information Systems I 4
PSC1121 Applied Physics* 3
GEO2370 Conservation of Natural Resources or other General Education Social Science course+ 3
Total Term Semester Hours 14

Total Program Semester Hours 64

* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/ posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx.

* Requires a pre- or co-requisite. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

# Students are required to take this course twice.

‡ Environmental Science Elective: 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 GIS 1040C.

** Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

It is strongly recommended that students see an advisor every term.
ENVIRONMENTAL SCIENCE TECHNOLOGY
Geographic Information Systems Advanced Technical Certificate Major Code 4277

Required Courses
GIS1042C Introduction to Geographic Information Systems II 3
GIS1030 Remote Sensing and Applications 3
GIS1047C Applications of Geographic Information Systems 3
Total Semester credits 9

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

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

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

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 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 (5) credit courses, to prepare students for State Fire Officer I, Municipal Fire Inspector, or Arson Investigator certification. For additional information call 954-201-6791.

Related Program
Fire Science Management Technical Certificate Major Code 6313

Fire Science Core Courses

Technical/Other Courses

Fire Science Core Courses

Fire Science General Education Requirements
ENC1101 English Composition I* 3
GE Course General Education Humanities+ 3
POS2112 State and Local Government or POS2041 National Government 3
GE Course General Education Sciences+ 3
GE Course General Education Mathematics+ 3
Total Semester Hours 15

Total Program Credit Hours 60

+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog/ posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx.

* Requires a pre or co-requisite. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

** Students must fulfill the College's computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

Recommended courses: STA2023, PHI2600, SYG2010, PSY2012, ECO2013, CHM1025, and/or EVR1009.

# The following courses satisfy Fire Science 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:

It is strongly recommended that students see an advisor every term.
FIRE SCIENCE TECHNOLOGY
Fire Science Management Technical Certificate Major Code 6313

Program Description
The Fire Science Management Technical Certificate, offered on A. Hugh Adams Central Campus, is part of the existing Associate of Science Degree in Fire Science Technology. This certificate, designed for fire service or fire protection related professionals, can be taken as a stand-alone program or in conjunction with the Fire Science Technology AS degree.

For additional information call 954-201-6791.

Related Program
Fire Science Technology Associate in Science Major Code 2118

Technical Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFP1540</td>
<td>Private Fire Protection Systems I</td>
<td>3</td>
</tr>
<tr>
<td>FFP1810</td>
<td>Firefighting Tactics &amp; Strategy</td>
<td>3</td>
</tr>
<tr>
<td>FFP1920</td>
<td>Company Officer</td>
<td>3</td>
</tr>
<tr>
<td>FFP1505</td>
<td>Fire Prevention Practices</td>
<td>3</td>
</tr>
<tr>
<td>FFP2120</td>
<td>Fire Service Building Construction</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Program Hours: 15

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

GLOBAL TRADE AND LOGISTICS
Global Trade and Logistics Associate in Science Major Code 2205

Program Description
The Global Trade and Logistics Associate Science Degree prepares students for initial employment with the basic and cross-functional skills necessary for working in areas such as planning, acquisition, flow and distribution of goods and services. Occupations in this industry include: Integrated Logistics Planner, Purchasing Analyst, Cargo Scheduler, International Logistics Specialist, Quality Manager, Claims Associate, Inventory Control Manager, Rail Fleet Management Specialist, Contract Specialist, Logistics Analyst, Sourcing Agent, Customer Service Manager, Materials Analyst, Supply Chain Engineer, Director of Inventory Management, Materials Manager, Supply Program Manager, Dispatcher, Operations Research Manager, Supply Technician, Distribution Area Manager, Operations Supervisor, Traffic Manager, Distribution Center Operations Manager, Order Fulfillment Supervisor, Transportation Coordinator, Distribution Planning Analyst, Packaging Supervisor, Transportation Manager, Expedited Cargo Sales, PlantReceiving/Shipping Supervisor, Transportation Solutions Director, Facilities Supervisor, Procurement Clerk/Technician, Warehouse Operations Supervisor, Forecaster Product Manager/Tracing and Tracking, Warehouse Shift Supervisor, Import/Export Analyst, Purchasing Agent.

Related Programs
Logistics & Transportation Specialist Technical Certificate Major Code 6508

General Education Requirements:

- SPC1024 Intro to Speech Communication 3
- ENC1101 Composition I 3
- GEA2000 World Geography 3
- ECO2013 Macroeconomics 3
- EVR1009 Environmental Science 3
- GE Course General Education Mathematics 3
- PHI2600 Introduction to Ethics 3

Total General Education Credits: 21

Business Core Requirements:

- CGS1060C Computer and Internet Literacy** or
- CGS1540C Database Management 3
- ACG2001 Principles of Accounting I 3
- ACG2011 Principles of Accounting II * 3
- ACG2071 Managerial Accounting * 3
- BUS2241 Business Law I 3
- CGS1510C Electronic Spreadsheet 3
- GEB1011 Introduction to Business 3
- ECO2023 Principles of Microeconomics 3
- MAN2021 Introduction to Management 3
- MAR2141 International Marketing 3
- QMB2100 Quantitative Methods of Business 3

Total Business Core Credits: 33

Transportation Core Credits

- TRA1010 Transportation and Logistics 3
- TRA1154 Supply Chain Management 3
- TRA2151 Purchasing for Logistics Managers 3
- TRA2930 Seminar in Global Trade 1

Total Transportation Credits: 10

Total Program Credits: 64

* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted on line at www.broward.edu/studentresources/advising/Pages/gened.aspx.

** CGS1060C must be completed within the first 15 hours of Broward College coursework or proper score on placement test. Students electing to "test-out" of CGS1060C are required to take CGS1540C Database Management.

It is strongly recommended that students see an advisor every term.
GLOBAL TRADE AND LOGISTICS
Logic & Transportation Specialist Technical Certificate Major Code 6508

Program Description
The Logistics & Transportation Specialist Technical Certificate prepares students for initial employment with an occupational title or to provide supplemental training for persons previously or currently employed in these occupations with cross-functional skills necessary for planning, acquisition, flow and distribution of goods and services. This certificate prepares students for occupations as: Integrated Logistics Planner, Purchasing Agent, Cargo Scheduler, International Logistics Specialist, Rail Fleet Management Specialist, Contract specialist, Logistics Analyst, Sourcing agent, Customer Distribution Area Manager, Operations Supervisor, Traffic Manager, Distribution Center Operations Manager, Order Fulfillment Supervisor, Transportation Coordinator, Distribution Planning Analyst, Packaging Supervisor, Transportation Manager, Expedited Cargo Sales, Plant Receiving/Shipping supervisor, Transportation Solutions Director, Facilities Supervisor, Procurement Clerk/Technician, Warehouse Operations Supervisor, Forecast Product Manager-Tracing and Tracking, Warehouse Shift Supervisor, Import/Export Analyst, Purchasing Agent.

Related Programs
Global Trade and Logistics Associate in Science Major Code 2205

Required Courses
BUL2241 Business Law I  3
MAN2021 Introduction to Management  3
QMB2100 Quantitative Methods of Business  3
TRA1010 Transportation and Logistics  3
TRA1154 Supply Chain Management  3
TRA2151 Purchasing for Logistics Managers  3

Total Credits 18

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

GRAPHIC DESIGN
Graphic Design AS Degree – Major Code 2192

Program Description
The Graphic Design Program, offered at the Willie Holcombe Center (Downtown), is designed to prepare students for the rapidly changing computer driven graphics design industry. Primary job titles include, Web Designer, Graphic Artist, Publication Designer, Illustrator, Packaging Designer, and Advertising Creative.

Related Programs
Graphic Design Production Certificate Major Code 6289
Graphic Design Support Certificate Major Code 6290

First Year Term I
ART1100C 2-D Design  3
ART1300C Drawing  3
ARTH2000 Art Appreciation or
ARTH2050 Art History I or
ARTH2051 Art History II (recommended)  3
GE Course General Education Mathematics+  3
ENC1101 Composition I  3

Total Term Semester Credits 15

Second Year Term I
PGY1802C Digital Photography  3
PGY2151C Publication Design  3
GRA2171C Branding & Ad Design  3
GRA2176C Illustration Design 2  3

Total Term Semester Credits 15

Completion of the Graphics Technology Program will satisfy the College’s computer literacy requirement.

* Requires a pre- or co-requisite. See course description in this catalog or online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.
+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advising/ Pages/gened.aspx.

It is strongly recommended that students see an advisor every term.
**Program Description**
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.

**Related Programs**
- Graphics Design AS Degree Major Code 2192
- Graphic Design Production Certificate Major Code 6289

**Certificate Requirements**
- ART1201C 2-D Design 3
- ART1500C Drawing 3
- PGY1801C Photoshop Design 3
- GRA1201C Typographic Design 3
- GRA1151C Illustration Design I 3
- GRA1144C Web Design I 3
- GRA2121C Publication Design 3
- PGY1802C Digital Photography OR
- GRA2171C Branding & Ad Design OR
- GRA2157C Illustration Design II 3
- Total Certificate Credits 24

* Requires a pre- or co-requisite. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

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

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**HEALTH INFORMATION AND INFORMATICS TECHNOLOGY**
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). The program will also provide the student the eligibility to sit for the AAPC or AHIMA coding credentialing examinations.

Responsibilities include coding of diagnoses and procedures; as well as processing, storage and retrieval of health information in either paper or electronic health records. Areas covered in the course work include, but are not limited to, confidentiality of protected health information, health information and electronic health records systems, legal aspects, statistical reporting, reimbursement methodology, healthcare informatics, performance improvement, and supervision of daily department activities comprise other functions taught in the program. Professional practice experiences are provided in local health care facilities, by simulation or in combination under the supervision of qualified professional personnel. The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

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 the Program Manager at 954-201-2084 for information. Students from other educational facilities should contact the Program Manager to determine if course work and/or work experience credits are available.

**Entrance Requirements**
Program is offered at North campus only.

This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/academics/Pages/Health-Sciences-Admissions.aspx.

**Requirements for the Associate in Science in Health Information and Informatics Technology**
- Courses must be completed in the sequence as outlined in the program of study.
- Completion of 78 program semester hours of credit and a minimum degree grade point average of 2.0 “C” or higher for all courses.

**Pre-requisite Courses:**
- HIM1000 Introduction to Health Information Management 3
- ENC1101 Composition I 3
- BSC1005 General Biology 3
- ENC1101 Composition I 3
- ENC1101 Composition I 3
- SPA1024 Introduction to Speech or
- HUM2120 Introduction to Public Speaking 3
- Total Semester Hours 12
- Total Semester Hours 11

**First Year Term I**
- HIM1000 Introduction to Health Information Management 3
- ENC1101 Composition I 3
- BSC1005 General Biology 3
- ENC1101 Composition I 3
- SPA1024 Introduction to Speech or
- HUM2120 Introduction to Public Speaking 3
- Total Semester Hours 12
- Total Semester Hours 11

**Second Year Term I**
- HIM1000 Introduction to Health Information Management 3
- ENC1101 Composition I 3
- BSC1005 General Biology 3
- ENC1101 Composition I 3
- SPA1024 Introduction to Speech or
- HUM2120 Introduction to Public Speaking 3
- Total Semester Hours 12
- Total Semester Hours 11

**Second Year Term II**
- HIM1000 Introduction to Health Information Management 3
- ENC1101 Composition I 3
- BSC1005 General Biology 3
- ENC1101 Composition I 3
- SPA1024 Introduction to Speech or
- HUM2120 Introduction to Public Speaking 3
- Total Semester Hours 12
- Total Semester Hours 11

**Second Year Term III**
- HIM1000 Introduction to Health Information Management 3
- ENC1101 Composition I 3
- BSC1005 General Biology 3
- ENC1101 Composition I 3
- SPA1024 Introduction to Speech or
- HUM2120 Introduction to Public Speaking 3
- Total Semester Hours 12
- Total Semester Hours 11

**First Year Term II**
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- Total Semester Hours 11
- Total Program Semester Hours 70

**First Year Term III**
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- Total Semester Hours 11
- Total Program Semester Hours 70

**First Year Term IV**
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- Total Semester Hours 11
- Total Program Semester Hours 70

**First Year Term V**
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- Total Semester Hours 11
- Total Program Semester Hours 70

**First Year Term VI**
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- HIM1110 Human Structure & Disease I 3
- Total Semester Hours 11
- Total Program Semester Hours 70

It is strongly recommended that students see an advisor every term.
HOSPITALITY AND TOURISM MANAGEMENT
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. This program is only offered at A. Hugh Adams Central Campus. For more information, please contact the Program Manager at 954-201-6710.

Related Programs
Food & Beverages Management Certificate Major Code 6301
Guest Services Specialist Certificate Major Code 6300 (6300E)
Rooms Division Management Certificate Major Code 6302

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. This program is only offered at A. Hugh Adams Central Campus. For more information, please contact the Program Manager at 954-201-6710.

Related Programs
Food & Beverages Management Certificate Major Code 6301
Guest Services Specialist Certificate Major Code 6300 (6300E)
Rooms Division Management Certificate Major Code 6302

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. This program is only offered at A. Hugh Adams Central Campus. For more information, please contact the Program Manager at 954-201-6710.

Related Programs
Food & Beverages Management Certificate Major Code 6301
Guest Services Specialist Certificate Major Code 6300 (6300E)
Rooms Division Management Certificate Major Code 6302

General Education Requirements
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENCI101</td>
<td>Composition I*</td>
<td>3</td>
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<tr>
<td>ENCI102</td>
<td>Composition II*</td>
<td>3</td>
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<tr>
<td>SPC1608</td>
<td>Public Speaking</td>
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<tr>
<td>SPC1024</td>
<td>Introduction to Speech Commun</td>
<td>3</td>
</tr>
<tr>
<td>ECO2015</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GE Course</td>
<td>General Education Humanities+</td>
<td>3</td>
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<tr>
<td>GE Course</td>
<td>General Education Science+</td>
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<td>GE Course</td>
<td>General Education Science Lab+</td>
<td>1</td>
</tr>
<tr>
<td>GE Course</td>
<td>General Education Mathematics+</td>
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Total General Education Hours: 22

Major Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEB1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>HFT2250</td>
<td>Hotel Management</td>
<td>3</td>
</tr>
<tr>
<td>ECO2023</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>HFT2410</td>
<td>Front Office Systems/Procedures</td>
<td>3</td>
</tr>
<tr>
<td>HFT1050</td>
<td>Introduction to Tourism Industries</td>
<td>3</td>
</tr>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy**</td>
<td>3</td>
</tr>
<tr>
<td>Elective Business Elective##</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective Business Elective##</td>
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Total General Education Hours: 24

Complete 1 of the following courses:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HFT2600</td>
<td>Hospitality Law</td>
<td>3</td>
</tr>
<tr>
<td>BUL2241</td>
<td>Business Law 1</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Complete 2 of the following courses:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN2021</td>
<td>Introduction to Management</td>
<td>3</td>
</tr>
<tr>
<td>MNA2545</td>
<td>Principles of Supervision</td>
<td>3</td>
</tr>
<tr>
<td>HFT2220</td>
<td>Organization and Personnel Management</td>
<td>3</td>
</tr>
<tr>
<td>GE Course</td>
<td>General Education Science+</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 22

Total Program Semester Hours: 64

* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/pasted on-line at www.broward.edu/advisingcounseling/advising/edplanning/page18233.html
** CGS1060C must be completed within the first 15 hours of Broward College coursework.
## Business Elective: Any college-level course with any of the following prefixes: ACG, BUL, ECO, FIN, GEB, HFT, MAN, MAR, MKA, or MNA prefixed course.

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

HOSPITALITY AND TOURISM MANAGEMENT
Food & Beverages Management Certificate Major Code 6301

Program Description
The Food & Beverages Management Certificate is designed to qualify successful completers for upwardly mobile positions in the food & beverages industry.

Related Programs
Hospitality and Tourism Management Associate in Science Degree Major Code 2121
Guest Services Specialist Certificate Major Code 6300 (6300E)
Rooms Division Management Certificate Major Code 6302

First Year Term I
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT2220</td>
<td>Hotel Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT2410</td>
<td>Front Office Systems/Procedures</td>
<td>3</td>
</tr>
<tr>
<td>MNA1161</td>
<td>Introduction to Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>OST2335</td>
<td>Communications in the Workforce</td>
<td>3</td>
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</table>

Total Term Semester Hours: 12

First Year Term II
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HFT2250</td>
<td>Hotel Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT2600</td>
<td>Hospitality Law</td>
<td>3</td>
</tr>
<tr>
<td>BUL2241</td>
<td>Business Law 1</td>
<td>3</td>
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</table>

Total Term Semester Hours: 12

First Year Term III
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy*</td>
<td>3</td>
</tr>
<tr>
<td>Elective Food Service Costing &amp; Controls</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective Food Service Costing &amp; Controls</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Certificate Semester Hours: 30

* CGS1060C must be completed within the first 15 hours of Broward College coursework.
** It is strongly recommended that students see an advisor every term.

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

First Year Term I
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT2220</td>
<td>Hotel Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT2600</td>
<td>Hospitality Law</td>
<td>3</td>
</tr>
<tr>
<td>MNA1161</td>
<td>Introduction to Customer Service</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Term Semester Hours: 12

First Year Term II
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT2250</td>
<td>Hotel Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT2600</td>
<td>Hospitality Law</td>
<td>3</td>
</tr>
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</table>

Total Term Semester Hours: 12

First Year Term III
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS1060C</td>
<td>Computer and Internet Literacy*</td>
<td>3</td>
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</table>

Total Certificate Semester Hours: 30

* CGS1060C must be completed within the first 15 hours of Broward College coursework.
** It is strongly recommended that students see an advisor every term.

It is strongly recommended that students see an advisor every term.
HOSPITALITY AND TOURISM MANAGEMENT
Guest Services Specialist Certificate Major Code 6300 (6300E)

Program Description
The Guest Services Specialist Certificate is designed to qualify successful completers for upwardly mobile positions in the lodging industry.

Related Programs
Hospitality and Tourism Management Associate in Science Degree Major Code 2121
Food & Beverages Management Certificate Major Code 6301
HOSPITALITY AND TOURISM MANAGEMENT
Rooms Division Management Certificate Major Code 6302

First Year Term I
HFT2120 Supervisory Development 3
MTB1103 Business Mathematics 3
Total Term Semester Hours 6

First Year Term II
HFT2250 Hotel Management 3
HFT2410 Front Office Systems/Procedures 3
Total Term Semester Hours 6

First Year Term III
HFT2220 Organization and Personnel Management 3
Total Term Semester Hours 6

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

HOSPITALITY AND TOURISM MANAGEMENT
Rooms Division Management Certificate Major Code 6302

Program Description
The Rooms Division Management Certificate is designed to qualify successful completers for upwardly mobile positions in the lodging industry.

Related Programs
Hospitality and Tourism Management Associate in Science Degree Major Code 2121
Food & Beverages Management Certificate Major Code 6301
Guest Services Specialist Certificate Major Code 6300 (6300E)

First Year Term I
HFT2120 Supervisory Development 3
HTF1058 Introduction to Tourism Industry 3
HFT2600 Hospitality Law 3
MTB1103 Business Mathematics 3
Total Term Semester Hours 12

First Year Term II
HFT2250 Hotel Management 3
HFT2410 Front Office Systems/Procedures 3
MNA1161 Introduction to Customer Service 3
OST2335 Communications in the Workforce 3
Total Term Semester Hours 12

First Year Term III
HFT2220 Organization and Personnel Management 3
HFT2500 Hospitality Marketing 3
Total Term Semester Hours 6
Total Certificate Semester Hours 30

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

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

Program Description
This program provides students, who have obtained competency in a variety of fields, an opportunity to pursue college level education that is appropriate for management roles and upward mobility in their respective fields.

For additional information and the procedure for the transfer of credits for this program, contact the Industrial Management Technology Academic Advisor at 954-201-8611 or e-mail cedgecom@broward.edu

General Education Core Courses Required
ENC1101 English Composition I* 3
GE Course General Education Humanities* 3
GE Course General Education Social/Behavioral Sciences* 3
GE Course General Education Mathematics** 3
GE Course General Education Science*** 3
SPE0240 Intro to Speech Communication or SPC1950 Introduction to Public Speaking 3
Total Academic Core Credits 18

Additional Course Requirements
MAN2021 Introduction to Management 3
MNA1161 Introduction to Customer Service 3
MNA2541 Principles of Supervision 3
ENC2210 Professional and Technical Writing* or OMT2335 Communications in the Workforce 3
CGS1606C Computer and Internet Literacy** or Industrial Management Elective 3
MNA1948 Industrial Technical Practicum# 27
Total Technical Course Credits 42
Total AS Degree Credits 60

Special Note:
# Twenty seven (27) credits will be awarded to students who successfully complete one of the 1500 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 or any of their Apprenticeship Programs within two years of starting their BC coursework. Contact the IMT program manager at 954-201-8601 for the procedure to obtain 27 credits for MNA 1948.

1500 or greater PSAV Clock Hour Programs
Air Conditioning, Heating and Refrigeration Technology 3
Automotive Collision Repair and Refinishing 3
Commercial Photography Technology 3
Court Reporting 3
Draughting 3
Industrial Machinery Maintenance and Repair 3
Television Production 3
Apprenticeship Programs
Air Conditioning, Heating and Refrigeration Technology 3
Building Construction Technology 3
Carpentry 3
Commercial Sign Design and Fabrication 3
Technical education teachers who have completed the Broward County Public Schools ACTIVE Program may substitute vocational education coursework for Technical Education Core Courses.

* General Education courses must be selected from the list of AS Degree courses found in the College Catalog/ posted online at www.broward.edu/ coursework for Technical Education Core Courses.
+ Requires a pre- or co-requisite. See course description online at www.broward.edu/ ext/CourseDescDepartmentList.ip.
** CGS1606C must be completed within the first 15 hours of Broward College coursework. Students who successfully complete the Basic Student Technology Literacy Test may select from the following list of courses to complete the degree requirement:
MNA2980 Independent Studies in Industrial Management
MAR1011 Principles of Marketing
MKA1021 Salesmanship

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

www.broward.edu

INTERNET SERVICES TECHNOLOGY
Internet Services Technology Associate in Science Major Code 2196

Program Description
The Internet Services Technology Associate in Science degree, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities in web site development and design. The program focuses on the latest web technologies and the practical skills to apply those technologies.

Related Programs
Web Development Specialist Technical Certificate Major Code 6285

First Year, Term I
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART1201C</td>
<td>2D Design</td>
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</tr>
<tr>
<td>CTS1851C</td>
<td>Certified Internet Webmaster Foundations</td>
<td>4</td>
</tr>
<tr>
<td>CTS1800C</td>
<td>Adobe Dreamweaver</td>
<td>3</td>
</tr>
<tr>
<td>ENC1101</td>
<td>Composition</td>
<td>3</td>
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<tr>
<td>MAC1101</td>
<td>College Algebra</td>
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Total Term Semester Hours: 16

First Year, Term II
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CTS1808C</td>
<td>Introduction to Computer Science</td>
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<tr>
<td>COP1000C</td>
<td>Introduction to Computer Programming</td>
<td>3</td>
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<tr>
<td>CTS1801C</td>
<td>Adobe Flash</td>
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<tr>
<td>CTS1802C</td>
<td>Cascading Style Sheets</td>
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<tr>
<td>ENC1102</td>
<td>Composition II; Professional and Technical Writing</td>
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Total Term Semester Hours: 15

First Year, Term III
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<tr>
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<tr>
<td>CTS2854</td>
<td>CIW E-Commerce Strategies and Practices I</td>
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<tr>
<td>CTS2855C</td>
<td>CIW E-Commerce Strategies and Practices II</td>
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Total Term Semester Hours: 15

Second Year, Term I
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<tr>
<td>CTS1212C</td>
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<tr>
<td>CTS2852C</td>
<td>Client-side Scripting</td>
<td>3</td>
</tr>
<tr>
<td>GE Course</td>
<td>General Education Social/Behavioral Science</td>
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<td>SPC1024</td>
<td>Introduction to Speech Communications or SPC1608</td>
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Term Semester Hours: 13

Second Year, Term II
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<tr>
<td>GE Course</td>
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<td>GE Course</td>
<td>General Education Science</td>
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Term Semester Hours: 12

Second Year, Term III
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<th>Course Title</th>
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<tr>
<td>CTS2854</td>
<td>CIW E-Commerce Strategies and Practices I</td>
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Total Program Semester Hours: 63

+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx.

1 Prerequisite – CGS1060C (with a grade of C or higher) or Placement
2 Prerequisite – CTS1851C (with a grade of C or higher)
3 Prerequisite – MAT0028 or higher
4 Prerequisite – MAT1033 or higher; Pre-/Co-requisite – CIS1000C
5 Prerequisite – ENC1101
6 Prerequisite – CTS2854 (with a grade of C or higher)
7 Prerequisites – CTS1851C and (COP1000C or COP1334C) (each with a grade of C or higher)

It is strongly recommended that students see an advisor every term.
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. This program is approved by the American Bar Association (ABA). Upon successful completion of this program, a student will be able to work under the supervision of an attorney and perform many vital functions as a legal assistant (paralegal). Legal Assistants may be responsible for interviewing, investigation, research, document preparation, and other tasks. They cannot, however, engage in the actual practice of law by doing such activities as giving legal advice, setting fees, negotiating, or representing clients in court. 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.

General Provisions
Broward College’s Legal Assisting Program honors credits for courses taken at other institutions that: are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education, participate in the Florida statewide course numbering system and, are judged by the appropriate common course designation and numbering system faculty task forces to be academically equivalent to legal specialty courses offered at Broward College. All other legal specialty courses that are completed and transcripted from either an accredited institution or an ABA-approved program will be evaluated by the Program Manager for specific course equivalencies and how accepted credit will be applied toward specific degree requirements. No student shall be awarded credit for legal specialty courses by exam or experiential learning.

For additional information, contact the Program Manager at Judson A. Samuels South Campus, 954-201-8930 or the Business Administration office at Judson A. Samuels South Campus 954-201-8933 or the Business Administration office at North Campus, 954-201-2360.

Program Graduation Requirements
• Meet BC’s graduation requirements as listed in the Academic Programs and Graduation Requirements section of the College Catalog.
• Completion of 64 semester credit hours curriculum plan listed below with a degree GPA of 2.0 or higher.
• Complete all courses with a grade of “C” or higher.
• At least 25% of the total credits for the Associate in Science degree in Legal Assisting must be earned at Broward College, of which at least 12 credit hours must comprise Broward College legal specialty courses.

First Year Term I
ENC1101 Composition I * 3
CGS1060C Computer and Internet Literacy ** or
OST2764 Info/Word Processing# 3
BUL2241 Business Law I 3
PLA1003 Introduction to Legal Assisting * 3
PLA1104 Law Library * 3
Total Term Semester Hours 15

First Year Term II
PLA1303 Criminal Litigation * 3
PLA1435 Corporations * 3
PLA2466 Debtor/Creditor Relations * 3
PLA1201 Civil Litigation * 3
PLA2114 Legal Writing and Drafting * 3
Total Term Semester Hours 15

First Year Term III, Session II and/or Session III
GE Course General Education Humanities+ 3
GEB2430 Business Ethics 1
Total Term Semester Hours 4

Second Year Term I
PLA1841 Immigration Law * 3
GE Course General Education Mathematics+ 3
ECO2013 Principles of Economics 3
PSY2012 General Psychology or
SYG2000 Principles of Sociology 3
Total Term Semester Hours 15

Second Year Term II
SPC1608 Public Speaking 3
PLA1600 Probate Practice 3
PLA2940 Legal Assisting Practicum* 3
Total Term Semester Hours 15

Second Year Term III, Session II and/or Session III
PLA2930 Selected Topics in Paralegal Studies* 3
PLA2762C Paralegal Office Systems* 3
SPN1000 Elem. Spanish Conversation 3
Total Program Semester Hours 64

* Requires a pre- or co-requisite. See course description in this catalog or online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp
** CGS1060C must be completed within the first 15 hours of Broward College coursework.
+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx
# OST2764C, Info/Word Processing Applications is not transferable to A.A. Degree.
(1) The Legal Assisting Elective is satisfied by taking one (1) of the following courses:
BUL2242 Business Law II 3
CJL1062 Constitutional Law 3
MTB1105 Business Mathematics 3
FIN1108 Personal Finance 3
OST2355 Communication in the Workplace 3
PLA2903 Selected Topics in Paralegal Studies* 3
PLA2762C Paralegal Office Systems* 3
PLA2940 Legal Assisting Practicum* 3
SPN1000 Elem. Spanish Conversation 3

It is strongly recommended that students see an advisor every term.
**Program Description**

The Marine Engineering Management degree is designed to prepare students interested in a career in the large yacht maintenance, repair and retrofit industry. Broward County is the world leader in the yacht industry and is in high demand of qualified technicians to work on yachts with diesel engines and sophisticated sustainable systems. Completers of the program may be employed in boat yards working on multi-million dollar vessels and the latest technology in marine equipment. The lifestyle may also include being part of the on-board crew and traveling around the world. Career advancement in management is a probable progression in the field.

For additional information about the programs listed above, contact the Marine Department at 954-201-8616 for more information.

**Related Programs**

**Marine Technology – Technical Certificate Major Code 6306**

**Technical Course Requirements**

- MTE1004C Introduction to Marine Technology 3
- MTE2490C Marine Electronics 3
- MTE2041C Marine Diesel 2 3
- MTE1542C A/C & Refrigeration Systems 3
- MTE2541C Marine Aux Systems 3
- MTE1167C Marine Fuel Systems, Diesel and Gas 3
- MTE2534C Inboard/Outboard Saildrive 3
- MTE1321C Advanced Marine Composites 3
- MTE2420C Advanced Electricity 3
- MTE2949 Marine Internship Co-op 2

**Academic Core Courses**

- ENC1101 Composition I 3
- MNA1161 Intro to Customer Service 3
- SPC1024 Intro to Speech or SPC1608 Intro to Public Speaking 3
- CHM2025 Intro to Chemistry with CHM2025 or PHY1001 Applied Physics with PHY1001L 4
- GE Course General Education Humanities+ 3
- MNA2546 Principles of Supervision 3
- MAC1105 College Algebra 3
- MAN2021 Intro to Management 3
- GE Course General Education Social & Behavioral Science+ 3

**Total Semester Hours** 66

*General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted on line at www.broward.edu/studentresources/advising/Pages/gened.aspx

Note: Students must fulfill the College's computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

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

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**Program Description**

The Marine Technology Certificate is designed to prepare students interested in a career in the large yacht maintenance, repair and retrofit industry. Broward County is the world leader in the yacht industry and is in high demand of qualified technicians to work on yachts with diesel engines and sophisticated sustainable systems. Completers of the program may be employed in boat yards working on multi-million dollar vessels and the latest technology in marine equipment. The lifestyle may also include being part of the on-board crew and traveling around the world. Career advancement in management is a probable progression in the field.

For additional information about the programs listed above, contact the Marine Department at 954-201-8616 for more information.

**Related Programs**

**Marine Engineering Management - Associate in Science Major Code 2198**

**Required Courses**

- MTE1004C Introduction to Marine Technology 3
- MTE1018C Rigging and Make Ready 3
- MTE1040C Marine Diesel Engines I 3
- MTE1167C Marine Fuel Systems, Diesel & Gas 3
- MTE1321C Advanced Marine Composites, Painting & Refinish 3
- MTE2490C Marine Electronics 3
- MTE2041C Diesel Engines II 3
- MTE2534C Inboard/Outboard Saildrive and Transmissions 3
- MTE2420C Advanced Electrical Systems 3
- MTE290C Marine Electronics 3
- MTE1651C Basic Welding 4

**Total Semester Hours** 34

*It is strongly recommended that students see an advisor every term.*
MARKETING MANAGEMENT
Marketing Management Associate in Science Major Code 2126

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

Related Programs
Marketing Operations Technical Certificate Major Code 6240

General Education
ENC1101 Composition I+ 3
GE Course General Education Humanities 3
ECO2013 Principles of Macroeconomics 3
GE Course General Education Mathematics + 3
GE Course General Education Science 3
SPC1608 Public Speaking or FIN1100 Personal Finance 3
SPC1024 Introduction to Speech Communications 3

Total Semester Hours 18

Business Electives are satisfied by taking three (3) of the following courses:

- MKA1930 Seminar I: Marketing in Perspective 3
- GEB2430 Business Ethics 1
- GEB1011 Introduction to Business 3
- GEB1101 Entrepreneurship 3
- OMT2335 Communications in the Workforce 3
- MAN2021 Introduction to Management 3
- MNA161 Introduction to Customer Service 3
- MKA2042 Retailing 3
- MKA1511 Advertising 3
- MAR1011 Principles of Marketing 3
- MKA1021 Salesmanship 3
- Elective Business Elective 3
- Elective Business Elective 3
- Elective Business Elective 3
- Total Semester Hours 46
- Total Program Semester Hours 64

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 online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

BUSINESS ADMINISTRATION

BUSINESS MANAGEMENT CERTIFICATES
Customer Service Specialization Technical Certificate Major Code 62672

Program Description
The Customer Service Specialization Technical Certificate, offered at North, A. Hugh Adams Central, 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.

Related Programs
Business Administration Associate in Science Major Code 2119 (2119E)
Business Management Technical Certificate Major Code 62671 (6267E)+
Sports Management Specialization Technical Certificate Major Code 62673
Business Specialist Technical Certificate Major Code 6288 (6288E)
Entrepreneurship Technical Certificate Major Code 62674

Required Courses
MNA161 Introduction to Customer Service 3
MTB1103 Business Mathematics 3
CGS1060 Computer and Internet Literacy 3
CGS1060C Computer and Internet Literacy**+ 3
MKA1930 Seminar I: Marketing in Perspective 3
MKA1950 Seminar I: Marketing in Perspective 3
MNA1821C Introduction to E-Commerce 3
MTB1103 Business Mathematics 3

Total Certificate Semester Hours 24

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

** CGS1060C can be waived by passing the computer literacy exam. If waived, students may take another elective from the Business Electives above list in its place.
+ Students can earn a certificate from 62671, 62672, 62673, or 62674, but not from two or more of these programs.
MARKETING MANAGEMENT
Marketing Operations Technical Certificate Major Code 6240

Related Programs
Marketing Management Associate in Science Major Code 2126

Specialized Courses
MAR1011 Principles of Marketing 3
MKA1021 Salesmanship 3
MKA1350 Seminar I: Marketing in Perspective 3
MNA1821C Introduction to E-Commerce 3
GEH1011 Introduction to Business 3
OST2335 Communications in the Workforce 3
MKA1511 Advertising 3
MAR2141 International Marketing 3
MNA1161 Introduction to Customer Service 3
MKA2042 Retailing* or
GEH2112 Entrepreneurship# 3
Total Certificate Semester Hours 30

* Requires a pre-requisite. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.
+ Offered once per year at North Campus only.
# Offered at A. Hugh Adams Central Campus and North Campus.

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

MARKETING MANAGEMENT
Entrepreneurship Technical Certificate Major Code 6311

Program Description
The purpose of this program is to teach students the fundamentals of starting and operating a business venture while presenting entrepreneurship as a viable career option. Coursework covers opportunity recognition, business planning, cash flow and financial management, marketing research, e-commerce and how to understand and work with an accounting system.

Related Programs
Marketing Management Associate in Science Major Code 2126

Business Administration Associate in Science Major Code 2119 (2119E)
ACG2001 Principles of Accounting I 3
OST2335 Communications in The Workforce 3
GEH2112 Entrepreneurship 3
MAR1011 Principles of Marketing 3
Total credit hours 12

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

MARKETING MANAGEMENT
Vocational Certificate Major Code 5281

Program Description
The Massage Therapy Program is one of over twenty (20) health career programs offered at the Center for Health Science Education of Broward College, North Campus. The program was approved by the Florida Board of Massage to grant Vocational Certificates allowing our graduates to sit for the licensing examination; and upon achieving a passing score, apply to the Board for licensure. Our program is dedicated to developing therapists who are quality-minded and who will ultimately make unique contributions to the field of massage therapy.

The Massage Therapist is a skilled professional who administers massage for compensation to patients/clients directly or by physician's prescription. "Massage" means the manipulation of the soft tissues of the human body with the hand, face, arm, or elbow, whether or not such manipulation is aided by hydrotherapy, including colonic irrigation, or thermal therapy; any electrical or mechanical devise; or the application to the human body of a chemical or herbal preparation.

[Florida State Statutes Chapter 480.033(3)]

For application information please call advisement at 954-201-2305 to make an appointment with our advisor.
For specific program information please call the Program Manager at 954-201-2074.

Please see our web site for more information: www.broward.edu/academics/programs/massage/Pages/default.aspx

Entrance Requirements
- Criteria for the Vocational Certificate in Massage Therapy:
  - Apply and meet requirements for admission to Broward College
  - Apply and meet requirements of the Health Science Admission Application for Massage Therapy
  - Obtain TABE assessment scores at or above the state mandated grade level unless exempt
  - Complete the Health Science Prerequisite Courses by the end of the first semester
  - Complete all lecture courses with a grade of "C" or higher
  - Complete all lab courses with a grade of "S"
  - Maintain a minimum program GPA of 2.0

Summer
HCP8001 Health Careers Core 75
HSC8005 Basic Life Support 8
HSC8091 HIV/AIDS 4
HSC8091 Domestic Violence 2
HSC8022 OSHA/TB 6
HSC8092 Medical Errors 2
Total Term Clock Hours 95

Term I
MSS8250 Introduction to Massage Therapy * 15
MSS8250L Introduction to Massage Therapy Lab * 140
MSS8001 Medical Ethics & Standards * 15
OST2335 Allied Modalities * 75
MSS8001L Hydrotherapy Modalities Lab * 15
MSS8001L Hydrotherapy Modalities Lab * 45
Total Term Clock Hours 305

Term II
MSS8166 Anatomy & Physiology I * 45
MSS8166L Anatomy & Physiology I Lab * 60
MSS8281 Allied Modalities * 15
MSS8281L Allied Modalities Lab * 120
MSS8803L Massage Therapy Clinical Practicum * 110
Total Term Clock Hours 350
Total Program Clock Hours 750

* Requires a Pre- or co-requisite course. See course description online at www.broward.edu/zext/ext/CourseDescDepartmentList.jsp.

It is strongly recommended that students see an advisor every term.
MEDICAL ASSISTING
Vocational Certificate Major Code 5215

Program Description
The Medical Assisting Program is a 10-month vocational certificate program. The Broward College Medical Assisting Certificate Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of Medical Assisting Education Review Board (MAERB).

Commission on Accreditation of Allied Health Education Programs
1361 Park Street
Clearwater, FL 33756
727-210-2350
www.caahep.org

Students are placed into practicums in physicians' offices throughout Broward County which offer maximum flexibility. The practicum course has been especially designed to meet the individual needs of the student, thus allowing for the development of specific skills within a chosen interest or specialty area. 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 these 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 national certification exam of the American Association of Medical Assistants to obtain the credential of Certified Medical Assistant (CMA-AAMA).

Entrance Requirements
This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.

Requirements for the Vocational Certificate in Medical Assisting:
Completion of 1204 clock hours, 6 college semester hours (96 contact hours), a grade point average of 2.0 or higher and obtain TABE Assessment scores at or above the state mandated grade level (for TABE test information please call the Central Campus Testing Center at 954-201-6982). No grade lower than "C" will be acceptable in ALL courses required for the Medical Assisting Certificate.

Health Science Pre-requisite Courses:

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<th>Course Name</th>
<th>Credits</th>
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<td>HCP0001</td>
<td>Health Careers Core Curriculum</td>
<td>75</td>
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<tr>
<td>HSC0850</td>
<td>Basic Life Support</td>
<td>8</td>
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<td>HSC0891</td>
<td>HIV/AIDS</td>
<td>4</td>
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<tr>
<td>HSC0892</td>
<td>Domestic Violence</td>
<td>2</td>
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<tr>
<td>HSC0822</td>
<td>OSHA/TB</td>
<td>6</td>
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<tr>
<td>HSC0892</td>
<td>Prevention of Medical Errors</td>
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<td>HSC0892</td>
<td>All Hazards Training</td>
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Term I Session I

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<td>Medical Terminology</td>
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<tr>
<td>MEA0235</td>
<td>Anatomy and Physiology</td>
<td>48</td>
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<tr>
<td>MEA0334</td>
<td>Admin Office Procedures</td>
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<td>MEA0528</td>
<td>Radiology for Med Assist I</td>
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<tr>
<td>MEA0233</td>
<td>Basic Lab Procedures I</td>
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<tr>
<td>MEA0235L</td>
<td>Basic Lab Procedures I Lab</td>
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</table>

Total Semester Clock Hours 1300

* Requires a pre- or co-requisite. Refer to the course descriptions found online at www.broward.edu/text/ext/CourseDescDepartmentList.jsp.

** Students must fulfill the College's computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

It is strongly recommended that students see an advisor every term.
MUSIC TECHNOLOGY
Music Technology Associate in Science Major Code 2206

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

Related Programs
Audio Technology Certificate Major Code 6309

Program Description
The purpose of this program is to prepare students for initial employment as a sound technician or recording technician, or to provide supplemental training for persons previously or currently employed in these occupations. The content includes, but is not limited to, set up and configuration of a computer for audio applications, and the operation of basic reproduction, reinforcement and recording audio equipment.

MUSIC TECHNOLOGY
Audio Technology Certificate 6309

Program Description
The purpose of this program is to prepare students for initial employment as a sound technician or recording technician, or to provide supplemental training for persons previously or currently employed in these occupations. The content includes, but is not limited to, set up and configuration of a computer for audio applications, and the operation of basic reproduction, reinforcement and recording audio equipment.

First Year, Term I
- MUS1360 Introduction to Music Technology 3
- MUT1111 Music Theory I 3
- MUT1241 Sight Singing 1
- Elective  Applied Music Elective* 1
- MVK1111 Piano Class 1
- MGF1106 Mathematics for Liberal Arts I or MGF1107 1
- Total Semester Hours: 12

First Year, Term II
- MUS2342C Digital Audio I 3
- MUS2344C Midi Systems and Sound Design I 3
- MUT1112 Theory II 3
- MUT1242 Sight Singing II 1
- Elective  Any Applied Music Class* 1
- Elective  Music Ensemble Elective+ 1
- Total Semester Hours: 13

Second Year, Term I
- MUM1600C Intro to Rec. Studio Procedures 3
- MUS2348C Digital Audio Music Prod II 3
- MUH2111 Music History I 3
- MUH2332C Live Sound Reinforcement 3
- Total Semester Hours: 15

Second Year, Term II
- MUS2340C Recording Studio Techniques II 3
- MUS2349C Advanced Projects in Music Production 3
- MVK2221 Secondary Piano 1
- Elective  Music Ensemble Elective+ 1
- Total Semester Hours: 12

Total Program Semester Hours 64

- Applied Music Elective: Any course with a MVB or MVJ or MVK or MVO*or MVP or MVS or MVV or MVW prefix
- Music Ensemble Elective: Any course with the MUN prefix
- General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted on line at www.broward.edu/advisingcounseling/advising/eplanning/page18233.html

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

1. Prerequisite – CTS1100C (with a grade of C or higher) or Placement Exam
2. Prerequisite – CTS1135C (with a grade of C or higher)
3. Prerequisite – CTS1135C (with a grade of C or higher)
4. Prerequisites – CTS1135C and CTS2131C (each with a grade of C or higher)
5. Prerequisites – CTS1135C and CTS1134C (each with a grade of C or higher)
6. Prerequisite – CTS2254C (with a grade of C or higher)
NETWORKING SERVICES TECHNOLOGY
Microsoft MCITP – Server Administrator Technical Certificate Major Code 6283

Program Description
The Information Technology Management – Microsoft MCITP Server Administration certificate program, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as network support specialists. It is designed for students seeking the skills set necessary to be successful in their careers as Microsoft MCITP Server Administrators.

Related Programs
Network Services Technology Associate in Applied Science Major Code A038
Network Services Technology Associate in Science Major Code 2201
Cisco CCNA Technical Certificate Major Code 62387
Network Support Technician Technical Certificate Major Code 6282

1 Students can earn a certificate from 6282, 6283, or 62387, but not from two or more of these programs.

Required Courses
CTS1133C A+ Essentials 3
CTS1311C A+ Practical 3
CTS1314C Networks 4
CTS1390C Installing and Configuring Windows Server 2012 4
CTS1391C Administering Windows Server 2012 4
CTS1392C Configuring Advanced Windows Server 2012 Services 4
CS Elective Computer Science Elective* 4
Total Program Semester Hours 30

1. Prerequisite – CTS 1133C (with grade of C or higher)
2. Prerequisites – CTS 1133C and CTS 2131C (each with grade of C or higher)
3. Prerequisite – CTS 1134C (with grade of C or higher)
4. Prerequisite – CTS 2543C (with grade of C or higher)

* Computer Science Elective: any course with a CIS, COP, or CTS prefix

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

NETWORKING SERVICES TECHNOLOGY
Network Support Technician Technical Certificate Major Code 6282

Program Description
The Information Technology Management – Network Support Technician certificate program, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as network support specialists. It is designed for students seeking the skills set necessary to be successful in their careers in network support ranging from Microsoft Windows (MCP), to Cisco routing and switching (CCENT), to CompTIA system, network, and security (A+, Net+ and Security+).

Related Programs
Network Services Technology Associate in Science Major Code 2201
Cisco CCNA Technical Certificate Major Code 62387
Microsoft MCITP – Server Administrator Technical Certificate Major Code 6283

1 Students can earn a certificate from 6282, 6283, or 62387, but not from two or more of these programs.

Required Courses
CTS1133C A+ Essentials 3
CTS1311C A+ Practical 3
CTS1314C Networks 4
CET1630C Network Cabling Technologies 4
CTS1111C Microsoft Windows Client 4
CTS1111C Linux 4
CTS2120C Security+ 4
CS Elective Computer Science Elective* 4
Total Program Semester Hours 30

1. Prerequisite – CTS 1133C (with grade of C or higher)
2. Prerequisites – CTS 1133C and CTS 2131C (each with grade of C or higher)
3. Prerequisite – CTS 1134C (with grade of C or higher)

*Computer Science Elective: any course with a CIS, COP, or CTS prefix

It is strongly recommended that students see an advisor every term.
NUCLEAR MEDICINE TECHNOLOGY
Nuclear Medicine Technology Associate in Science Major Code 2102

Program Description
Nuclear Medicine Technologists prepare and administer radiopharmaceuticals to patients and perform diagnostic procedures on virtually every organ system in the human body by using highly sophisticated computerized detection systems to produce and process images. Clinical Education is performed in medical facilities such as outpatient centers and hospitals and is offered concurrently with the didactic courses. The program maintains regional accreditation through the Southern Association of Colleges and Schools.

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 for the Nuclear Medicine National Board Certification Exam. They are offered by the American Registry of Radiologic Technologists (ARRT) and/or the Nuclear Medicine Technology Certification Board (NMTCB). The program is offered in Building 41, BC North Campus, 1000 Coconut Creek Boulevard, Coconut Creek, FL.

Entrance Requirements
This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.

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.

Related Programs
Hospital-Based Nuclear Medicine Associate in Science Degree Major Code 21021
Nuclear Medicine Technology Specialist Technical Certificate Major Code 6224

Note: In order to successfully progress through the AS Nuclear Medicine Technology Program, students must achieve a grade of “C” or above in all didactic courses and an “S” (satisfactory) grade in all clinical and laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0.

Pre-requisite Courses
ENC1101 Composition I* 3
CHM1032 Chemistry for Health Sciences* 3
CHM1032L Chemistry for Health Sciences Lab* 1
BSC2085 Anatomy and Physiology I* 3
BSC2085L Anatomy and Physiology Lab I* 1
GE Course General Education Mathematics+ 3
PHY1001 Applied Physics* 3
Total Semester Hours 17

First Year Term I
NMT1002 Introduction to Nuclear Medicine* 3
NMT1002L Nuclear Medicine Lab* 1
NMT1450 Radiation Safety and Radiobiology* 3
CGS1608C Computer and Internet Literacy 3
SPC1024 Introduction to Speech Communications or SPC1608 Public Speaking 3
Total Term Semester Hours 13

First Year Term II
NMT1804 Nuclear Medicine Clinical Education I* 2
NMT1850 Nuclear Medicine Physics and Math App* 3
NMT1714 Nuclear Medicine Pathology 2
BSC2086 Anatomy and Physiology II* 3
BSC2086L Anatomy and Physiology Lab II* 1
GE Course General Education Humanities+ 3
Total Term Semester Hours 14

Continued on next page
Nuclear Medicine Technology

Program Description

Applicants for the Nuclear Medicine Technology Technical Certificate Program must be graduates of an accredited two-year Health Science Program which leads to registration and/or licensure. Upon completion of the twelve (12) months full-time day program, the student will be eligible for the Nuclear Medicine National Board Certification Exam offered by, and become certified by, the American Registry of Radiologic Technologists (ARRT) and/or the Nuclear Medicine Technology Certification Board (NMTCB). The program is offered in building 41, BC North Campus, 1000 Coconut Creek Boulevard, Coconut Creek, FL.

Entrance Requirements

This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx. Applicants should call the Program Manager at 954-201-2083 for specific program information. Applicants should call 954-201-2058 or 2890 for admissions information.

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

Note: In order to successfully progress through the Nuclear Medicine Technology Specialist Technical Certificate Program, students must achieve a grade of “C” or above in all didactic courses and an “S” (satisfactory) grade in all clinical and laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0.

Prerequisites

- PHY1001 Applied Physics * 3
- CHM1032 Chemistry for the Health Sciences * 3
- CHM1032L Chemistry for the Health Sciences Lab * 1
- BSC2085 Anatomy and Physiology I * 3
- BSC2085L Anatomy and Physiology I Lab * 1

First Year Term I

- NMT1002 Intro to Nuclear Medicine * 3
- NMT2130 Nuclear Medicine Radiopharmacy * 2
- NMT2131 Nuclear Medicine Radiopharmacy Lab * 1
- NMT2284 Nuclear Medicine Clinical Education II * 2
- NMT2298 Nuclear Medicine Independent Study ** 3
- NMT2450 Radiation Safety and Radiology * 3

Total Term Semester Hours 11
Total Semester Hours 16

First Year Term II

- NMT2854 Nuclear Medicine Clinical Education IV * 3
- NMT2102 Nuclear Medicine Administration * 1
- NMT2253 Nuclear Medicine Instrumentation * 2
- NMT2725 Nuclear Medicine Methodology II * 2
- NMT2725L Nuclear Medicine Methodology II Lab * 1
- NMT1600 Nuclear Medicine Physics and Math App * 3
- NMT1714 Nuclear Medicine Pathology * 2
- NMT2960 Nuclear Medicine Advance Applications * 2

First Year Term III

- NMT2844 Nuclear Medicine Clinical Education V * 3
- NMT2854 Nuclear Medicine Clinical Education IV * 3
- NMT2102 Nuclear Medicine Administration * 1
- NMT2253 Nuclear Medicine Instrumentation * 2
- NMT2725 Nuclear Medicine Methodology II * 2
- NMT2725L Nuclear Medicine Methodology II Lab * 1
- NMT1600 Nuclear Medicine Physics and Math App * 3
- NMT1714 Nuclear Medicine Pathology * 2
- NMT2960 Nuclear Medicine Advance Applications * 2

Total Term Semester Hours 16
Total Program Hours 48

* Requires a pre- or co-requisite. See course description online at www.broward.edu/next/ext/CourseDocDepartmentList.jsp.

** Only to be used in emergency cases.

It is strongly recommended that students see an advisor every term.
The College of Nursing at Broward College offers a Registered Nurse (R.N.) Associate in Science Degree Program in Broward County. The program is designed to be completed in two years (4 semesters) and requires the completion of 72 credits. The program consists of 56 hours of clinical practicum for each student. All nursing students must have internet access and the capability to perform basic computer skills such as word processing, sending and receiving emails, and file management.

NURSING (R.N.) Nursing (R.N.) Associate in Science Degree Major Code 2127

It is the intent of the College to establish and maintain a drug-free educational setting and work place. The College of Nursing at Broward College Nursing Program acknowledges the problem of substance abuse in our society and perceives this problem as a serious threat to the health and safety of students, employees, and patients.

The College of Nursing at Broward College 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 Graduate Education in Nursing (N-OGEND). The Florida Board of Nursing had the right to refuse to renew a license to any nursing student who is convicted of a felony.

The College of Nursing at Broward College Nursing Program requires 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 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 the capability to perform basic computer skills such as word processing, sending and receiving emails, and file management.

The Nursing Program offers two full time 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 without restrictions. The LPN-RN Transition program recognizes the Florida Licensed Practical Nurse's knowledge and skill level, and provides the opportunity to receive experiential learning credits for Nursing Process I/II (Fundamentals of Nursing) and the specialty lab 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 that for courses offered in the traditional classroom setting. However, students enrolled in online nursing courses may be assessed special fees. Online nursing is a Hybrid method of delivery for courses and requires 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 student. All clinical courses 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 the capability 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 DHS/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 XXXI, Chapter 455:04 Level 2 Screening Standards may not be eligible for admission and/or may be dismissed from the nursing program or would not be eligible for clinical agency placement and/or not eligible to take NCLEX-RN for licensure. 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 College Nursing Program is aware that substance abuse is a serious threat to employees, students, and patients. It is the intent of the College to establish and maintain a drug-free educational setting and work place. The College policies related to zero tolerance for substance abuse can be found in the current Broward 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 he/she 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 to be eligible to enroll in any nursing course. Drug screening and background checks will be required on the time of admission or reinstatement into the Nursing Program. Annual updates for background and drug screens are required while enrolled in the nursing program. Students may be drug tested at any time while enrolled in the program. The student will be responsible for the cost of the required screenings. Evidence of chemical/ substance abuse will result in immediate administrative action from the program and/or the College policies related to zero tolerance for substance abuse. College Policy related to substance abuse can be found in the current Broward College Student Handbook. 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. Nursing students’ physicals are to note if they are taking prescription drugs that have the potential to affect performance in the clinical area. Medical clearance would be requested from the prescribing physician.

Enrollment Requirements

This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx. All nursing students seeking admission or re-enrollment into the nursing program shall adhere to all current departmental requirements.

NURSING (R.N.) Nursing (R.N.) Associate in Science Degree Major Code 2127 (continued)

Continued on next page.

Additional Courses Required

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MCR2010</td>
<td>Medical Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MCR2110L</td>
<td>Medical Microbiology Lab</td>
<td>1</td>
</tr>
<tr>
<td>HSC1149</td>
<td>Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>MTB1050</td>
<td>Mathematics for Health Related Professions</td>
<td>3</td>
</tr>
<tr>
<td>GE Course</td>
<td>General Education Humanities &amp; (writing requirement)</td>
<td>3</td>
</tr>
<tr>
<td>GE Course</td>
<td>General Education Social/ Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
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Continued on next page.
It is strongly recommended that students see an advisor every term.
It is strongly recommended that students see an advisor every term.

*Requires a pre- or co-requisite or proper score on placement test. See course descriptions in this catalog or online at www.broward.edu/CourseDescDepartmentList.jsp.

It is strongly recommended that students see an advisor every term.
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Upon successful completion of PHT1200 and PHT1200L, students will have met the Health Careers Core objectives.

Successful completion of the Physical Therapist Assistant Program will satisfy Broward College’s Oral Communication Standard and basic computer skill requirement.

Upon successful completion of PHT1200 and PHT1200L, students will have met the Health Careers Core objectives.

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

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It is strongly recommended that students see an advisor every term.
**Continued from previous page**

**RADIATION THERAPY PROGRAM**

**Radiation Therapy Associate in Science Major Code 2159**

**Program Description**

The Radiation Therapy Programs prepare individuals to successfully perform as a radiation therapist. Radiation therapists are vital members of a team of health professionals including a radiation oncologist (physician), physicist, dosimetrist, and oncology nurse. Some of the many functions of a radiation therapist include: assisting the radiation oncologist in localizing the tumor and simulating treatment parameters, treating patients with malignant diseases using ionizing radiation, monitoring patient’s physical condition and response to treatment and recognizing treatment complications. Clinical education is performed in Broward and Palm Beach County hospitals/clinics and is offered concurrently with the didactic courses. The program maintains regional accreditation through the Southern Association of Colleges and Schools.

This Associate in Science degree program is a two-year program. Applicants must complete all of the AS General Education course requirements prior to admission to the second year of the program. Upon completion of this degree program, the graduates are eligible to take the American Registry of Radiologic Technologists (ARRT) certification exam & subsequently apply to the state of Florida for licensure. Clinical Education is performed in Palm Beach, Broward, and Martin County hospitals/radiation therapy centers and is offered concurrently with the didactic classes. The program maintains regional accreditation through the Southern Association of Colleges and Schools.

The program is offered in Building 41 on North Campus. Applicants should access admission information online at www.broward.edu/admissions/ Pages/Health-Sciences-Admissions.aspx, or call 954-201-2080. Applicants should call the program manager at 954-201-2352 for specific program information. Radiation Therapy AS Program applicants who have criminal convictions or concerns must clear the ARRT ethics requirements through a pre-application review of eligibility process. The Pre-application Review of Eligibility process with the American Registry of Radiologic Technologists is done to avoid potential delays when applying to take the certification exam. Applicants should contact the ARRT directly at 651-687-0048 for further information.

**Entrance Requirements**

This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/studentresources/advising/Pages/gened.aspx. It is strongly recommended that students see an advisor every term.

**Related Programs**

- Hospital-Based Radiation Therapy Associate in Science Degree Major Code 21591
- Radiation Therapy Specialist Technical Certificate Major Code 6228

1 Students can earn a degree from either 2159 or 21591, but not both programs.

Note: In order to successfully progress through the AS Radiation Therapy Program, students must achieve a grade of “C” or above in all didactic courses and clinical courses and an “S” (satisfactory) grade in all laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0.

Continued on next page

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<td>ENCI101</td>
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<tr>
<td>BSC2085</td>
<td>Anatomy and Physiology I *</td>
<td>3</td>
</tr>
<tr>
<td>BSC2086L</td>
<td>Anatomy and Physiology I Lab *</td>
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<tr>
<td>GE Course</td>
<td>General Education Mathematics +</td>
<td>3</td>
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<tr>
<td>CGS1860C</td>
<td>Computer and Internet Literacy +</td>
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<td><strong>Total Term Semester Hours</strong></td>
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<tr>
<td>First Year Term I</td>
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<tr>
<td>RAT1614</td>
<td>Introduction to Radiation Therapy Physics</td>
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<td>GE Course</td>
<td>General Education Humanities+</td>
<td>3</td>
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<tr>
<td>BSC2086</td>
<td>Anatomy and Physiology II *</td>
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<tr>
<td>First Year Term II</td>
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<tr>
<td>RAT1111</td>
<td>Radiographic Process *</td>
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<tr>
<td>RAT1111L</td>
<td>Radiographic Process Lab *</td>
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<tr>
<td>RAT1123</td>
<td>Patient Care *</td>
<td>2</td>
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<tr>
<td>SPC1024</td>
<td>Intro to Speech Communications or</td>
<td>3</td>
</tr>
<tr>
<td>SPC1688</td>
<td>Public Speaking</td>
<td>3</td>
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<tr>
<td>GE Course</td>
<td>General Education Social &amp; Behavioral Science</td>
<td>3</td>
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<td><strong>Total Term Semester Hours</strong></td>
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<tr>
<td>Second Year Term I</td>
<td></td>
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<tr>
<td>RAT1000</td>
<td>Introduction to Radiation Therapy *</td>
<td>1</td>
</tr>
<tr>
<td>RAT1004</td>
<td>Clinic Education I *</td>
<td>1</td>
</tr>
<tr>
<td>RAT1002</td>
<td>Introduction to Radiation Therapy/Clinical *</td>
<td>2</td>
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<tr>
<td>RAT1002L</td>
<td>Intro to Radiation Therapy/Clinical Lab *</td>
<td>1</td>
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<tr>
<td>RAT1515</td>
<td>Radiation Pharmacology *</td>
<td>1</td>
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<td><strong>Total Term Semester Hours</strong></td>
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* Requires a pre- or co-requisite or proper score on placement test. Refer to the course descriptions found online at www.broward.edu/next/ext/ CourseDescDepartmentList.jsp.

**CGS1860C** must be completed within the first 15 hours of Broward College coursework.

+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/ studentresources/advising/Pages/gened.aspx
Monday, January 29, 2023

Program Description:
The Radiation Therapist Specialist Technical Certificate program prepares the Certified Radiologic Technologist (A.R.R.T.) for employment as a radiation therapist. Upon completion of this 15 month full-time day program the graduates are eligible to take the American Registry of Radiologic Technologists (ABRT) certification exam & subsequently apply to the state of Florida for licensure. The program is offered in Building 41 on North Campus.

Entrance Requirements
This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx. Applicants can call 954-201-2890 for admission information. Applicants should call the program manager at 954-201-2352 for specific program information.

Requirements for Radiation Therapy Specialist - Technical Certificate Program: (For Radiologic Technologists)
* Complete 45 semester credit hours with a GPA of 2.0 or higher.
* Complete all certificate courses with a grade of "C" or higher.

Note: In order to successfully progress through the Radiation Therapy Specialist Program, students must achieve a grade of "C" or above in all didactic courses and clinical courses, and an "S" (satisfactory) grade in all laboratory courses. This requirement is in addition to maintaining an overall degree GPA of at least 2.0.

Related Programs
Radiation Therapy Associate in Science Major Code 2159
Hospital-Based Radiation Therapy Associate in Science Degree Major Code 21591
Students can earn a degree from either 2159 or 21591, but not both programs.

Program starts in May (Summer Term)

First Year Term I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Credits</th>
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<tbody>
<tr>
<td>RAT1001</td>
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<td>RAT1804</td>
<td>Clinic Education I</td>
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<tr>
<td>RAT1002</td>
<td>Introduction to Radiation Therapy Clinical</td>
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<tr>
<td>RAT1002L</td>
<td>Intro to Radiation Therapy Clinical Lab</td>
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</tr>
<tr>
<td>RAT1515</td>
<td>Radiation Pharmacology</td>
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<tr>
<td>Total Term Semester Hours</td>
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Term II

<table>
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<tr>
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<th>Course Title</th>
<th>Semester Credits</th>
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<tbody>
<tr>
<td>RAT2022</td>
<td>Principles of Radiation Therapy II</td>
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</tr>
<tr>
<td>RAT2023</td>
<td>Oncology *</td>
<td>3</td>
</tr>
<tr>
<td>RAT2814</td>
<td>Clinic Education II</td>
<td>3</td>
</tr>
<tr>
<td>RAT2433</td>
<td>Radiation Oncology Sectional Anatomy</td>
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<tr>
<td>Total Program Semester Hours</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

Related Programs
Radiation Therapy Associate in Science Degree Major Code 2159
Hospital-Based Radiation Therapy Associate in Science Degree Major Code 21591
Students can earn a degree from either 2159 or 21591, but not both programs.

General Education
ENC1101 Composition I * 3
GE Course General Education Humanities+ 3
GE Course General Education Social/Behavioral Sciences+ 3
BSC2085 Anatomy and Physiology I * 5
BSC2085L Anatomy and Physiology I Lab* 1
GE Course General Education Mathematics + 3

Technical Courses
CGS1060C Computer and Internet Literacy 3
BSC2086 Anatomy and Physiology II * 5
BSC2086L Anatomy and Physiology II Lab* 1
SPC1080 Public Speaking or SPC1002 Intro to Speech Communications 3

Experiential Learning Credits 51

Total Program Hours 77

* Requires a pre- or co-requisite. Refer to the course descriptions found online at www.broward.edu/next/ext/CourseDescDepartmentList.jsp.

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

It is strongly recommended that students see an advisor every term.
Program Description
This degree program prepares students to practice as radiographers. Radiographers manipulate x-ray equipment and provide patient care to produce images of the tissues, organs, bones, and vessels of the body. Radiographers work closely with radiologists, who are the physicians responsible for interpreting medical images. Graduates are eligible to take the American Registry of Radiologic Technologists (ARRT) certification exam & subsequently apply to the state of Florida for licensure. The Radiography Program maintains regional accreditation through the Southern Association of Colleges and Schools.

All radiography classes exclusive of clinical assignments are taught on the A. Hugh Adams Central Campus, 5051 SW Davie Road, Davie, FL. Most of the courses in the program also contain an online component. Clinical assignments are scheduled in local hospitals. The clinical component includes some evening rotations during the second year of the program.

Note: All accepted applicants are guaranteed a clinical placement during the program. However, there are no guarantees that the clinical facility will be located close to the applicant’s home. Students may have to drive up to one hour or more from their home to the clinical site for which they have been assigned. Students will rotate to three different clinical sites during the program.

The program is offered in Building 8 on Central Campus.

Note: Program applicants who have criminal convictions should clear the ARRT ethics requirements through a pre-application review of eligibility process prior to starting the program. This review process with the ARRT is done to avoid potential denial of eligibility to take the exam or delays when applying to take the certification exam. Applicants should contact the ARRT directly at 651-687-0048 for further information.

Entrance Requirements
This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Science-Admissions.aspx. Applicants can call 954-201-2890 for admission information. Applicants should call the program manager at 954-201-2352 for specific program information.

Related Programs
Hospital-Based Radiography Associate in Science Degree Major Code 21311

Students can earn a degree from either 2131 or 21311, but not both programs.

Requirements for Associate in Science Degree in Radiography
• Meet BC's graduation requirements as listed in the Academic Programs and Graduation Requirements section of the College Catalog.
• Complete the pre-requisite courses with a GPA of 2.5 or higher.
• Complete 77 credit hours as listed with a degree GPA of 2.0 or higher.
• Maintain no less than a “C” grade in all degree courses.

Note: In order to successfully progress through the Radiography Program, students must achieve all cognitive, affective, and psychomotor objectives. This requires a grade of “C” or above to be earned in all didactic courses and an “S” (satisfactory) grade in all clinical/laboratory courses. This is in addition to maintaining an overall degree GPA of at least 2.0.

Continued on next page.

RADIOPHARMACY
Radiography Associate in Science Major Code 2131

Pre-requisite Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL1107</td>
<td>Composition I*</td>
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<tr>
<td>HSCI151</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BSC205</td>
<td>Anatomy and Physiology I*</td>
<td>3</td>
</tr>
<tr>
<td>BSC208L</td>
<td>Anatomy and Physiology I Lab*</td>
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<td>MGF1106</td>
<td>(Mathematical for Liberal Arts I) or</td>
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<tr>
<td>MAC1185</td>
<td>College Algebra* or</td>
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<td>Statistics*</td>
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<td>CGS1060C</td>
<td>Computer &amp; Internet Literacy*</td>
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Total Semester Hours: 16

First Year Term I

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<td>RTE1503L</td>
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<td>RTE1000</td>
<td>Introduction to Radiologic Technology*</td>
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<td>RTE1111</td>
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<td>RTE1804</td>
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<td>GE Courses</td>
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Total Semester Hours: 14

First Year Term II

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<td>RTE1418</td>
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<td>RTE1613</td>
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<td>RTE1814</td>
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Total Semester Hours: 15

Second Year Term I

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<td>RTE2854</td>
<td>Clinical Education IV*</td>
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Total Semester Hours: 12

Second Year Term II

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<td>RTE2963</td>
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<tr>
<td>RTE2150</td>
<td>Pharmacology &amp; Venipuncture For Radiography*</td>
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<td>Pharmacology &amp; Venipuncture For Radiography Lab*</td>
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<td>RTE2782</td>
<td>Radiographic Pathology*</td>
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<td>RTE2864</td>
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Total Semester Hours: 12

Second Year Term III, Session 2

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<td>Radiography Seminar*</td>
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<tr>
<td>RTE2864</td>
<td>Clinical Education VI*</td>
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</table>

Total Semester Hours: 2

Total Program Semester Hours: 77

* Requires a pre- or co-requisite or proper score on placement test. Refer to the course descriptions found in this catalog or online at www.broward.edu/aztec/ext/CourseDesc/DepartmentList.jsp.

** Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1060C to earn the degree.

† General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx

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

**Program Description**

This program provides a means for those currently enrolled in an accredited hospital-based program to obtain an Associate in Science Degree in Radiography. This program is also open to graduates of such programs.

The general education courses in this degree are offered at all BC locations.

### Entrance Requirements

This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx. Applicants can call 954-201-2890 for admission information. Applicants should call the program manager at 954-201-2352 for specific program information.

### Requirements for the Associate in Science Degree for Hospital-Based Radiography Graduates

- Meet BC’s graduation requirements as listed in the Academic Programs and Graduation Requirements section of the College Catalog.
- Completion of a minimum of 77 credits hours which includes 48 semester hours of credit for previous training or experience with a GPA of 2.0 or higher.
- Complete the following with a grade of “C” or higher in all degree courses.

### To apply for the experiential learning credit, students must provide an official transcript indicating graduation/completion date from a hospital-based Radiography program manager at 954-201-2352 for specific program information.

### Related Programs

Radiography Associate in Science Degree Major Code 2131

- Students can earn a degree from either 2131 or 21311, but not both programs.

### Program Description

Radiography Associate in Science Degree Major Code 2131

ENC1101 Composition I* 3
GE Course General Education Humanities+ 3
GE Course General Education Social/Behavioral Sciences+ 3
MGF1106 Mathematical for Liberal Arts I or EMA116 College Algebra or STA2033 Statistics 3
BSC2085 Anatomy and Physiology I* 3
BSC2086L Anatomy and Physiology I Lab 1
BSC2086 Anatomy and Physiology II* 3
BSC2086L Anatomy and Physiology II Lab+ 1
HSC1351 Medical Terminology 3
CGS1606C Computer and Internet Literacy** 3
SPC1024 Introduction to Speech Communications 3
Total BC Course Hours 29

### Experiential Learning Credits

48 credits

Total Program Hours 77

** Requires a pre- or co-requisite. Refer to the course descriptions found online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.

** Requires 2 or more credits. Refer to the course descriptions found online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.

** Students must fulfill the College’s computer literacy requirement within the first 15 hours of BC credit by successfully completing the basic student technology test or pass the CGS1606C course to earn the degree.

+ General Education courses must be selected from the list of AS Degree courses found in the College Catalog/posted online at www.broward.edu/studentresources/advising/Pages/gened.aspx.

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

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### Respiratory Care

**Program Description**

Respiratory Care is a specialty dealing with the diagnosis, treatment and rehabilitation of patients with cardiorespiratory diseases. The program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). The degree satisfies the requirements established by the National Board for Respiratory Care and qualifies the graduate as a candidate for the national registry examination.

Refer to the Respiratory Care website for more information: www.broward.edu/academic/programs/respiratory/Pages/default.aspx.

### Entrance Requirements

This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx. Applicants can call 954-201-2890 for admission information. Applicants should call the program manager at 954-201-2352 for specific program information.

** Auditing Passed Courses is Required**

The program has an obligation to assure that any student who progresses in the program and is eventually assigned to a clinical rotation has demonstrated sufficient academic knowledge as well as competency in the skills that will be required in the clinical arena. A student repeating a respiratory course will be required to audit all respiratory courses already passed in the same year as the failed course.

** All students must be aware that if they are receiving Financial Aid, those audited courses will not be included in the financial aid package. The student must pay the full cost of the course including any fees that are part of the course.

** Auditing an already passed respiratory care course:**

The audited course must be successfully repeated (grade of “C” or higher) in order to continue in the respiratory program.

### Requirements for the Associate in Science Degree in Respiratory Care:

- Completion of 76 semester hours.
- No grade lower that a “C” will be acceptable in any degree related course.

### Pre-requisite Courses

** First Year Term I **

ENC1101 Composition I* 3
BSC2085 Anatomy and Physiology I* 3
BSC2086L Anatomy and Physiology I Lab 1
BSC2086 Anatomy and Physiology II* 3
BSC2086L Anatomy and Physiology II Lab+ 1
HSC1351 Medical Terminology 3
CGS1606C Computer and Internet Literacy** 3
SPC1024 Public Speaking or SPC1024 Introduction to Speech Communications 3

Total Term Semester Hours 13

** First Year Term II **

HSC1531 Medical Terminology 3
BSC2086 Anatomy and Physiology II* 3
BSC2085 Anatomy and Physiology I* 3
BSC2085L Anatomy and Physiology I Lab+ 1
BSC2086 Anatomy and Physiology II* 3
BSC2086L Anatomy and Physiology II Lab+ 1

Total Term Semester Hours 14

** Second Year Term I **

RET1832L Clinic I* 3
RET1484 Cardiopulmonary Pathophysiology* 3
RET1265 Cardiopulmonary Anatomy and Physiology* 3
HSC1351 Medical Terminology 3
BSC2086 Human Anatomy and Physiology II* 3
BSC2086L Human Anatomy and Physiology II Lab+ 1

Total Term Semester Hours 13

** Second Year Term II **

RET2414 Pulmonary Function* 3
RET2418 Cardiopulmonary Diagnostics* 3
RET2414 Pulmonary Function* 1
GE Course General Education Humanities+ 3

Total Term Semester Hours 14

Total Program Semester Hours 76

** Requires a pre- or co-requisite. Refer to the course descriptions in this catalog or online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.

** Requires 2 or more credits. Refer to the course descriptions found online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx.

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

The Associate Degree Program in Vision Care Technology provides the student with the opportunity to develop competency in skills relative to caring for a patient's eyes. 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, grading, fitting, and adapting to eyewear.

The program is offered in Building 41 on North Campus. Applicants should call the Associate Dean at 954-201-2017 or 954-201-2080 for specific program information.

Entrance Requirements

This program has a limited number of seats available per year and students are selected based upon the criteria announced online at www.broward.edu/admissions/Pages/Health-Sciences-Admissions.aspx). Applicants can call 954-201-2890 for admission information. Applicants should call the program manager at 954-201-2352 for specific program information.

Requirements for the Associate in Applied Science in Opticianry

• 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.

First Year Term I

OPT1210 A and P of the Eye 3
OPT1110 Physical and Geometric Optics 1
OPT1101L Orientation to Vision Care 2
ENC1101 Composition I 3
MGF1106 College Algebra 3
Total Term Semester Hours 15

Second Year Term I

OPT2420L Eye Wearure Fabrication I * 1
OPT2421L Eye wearure Fabrication II * 1
OPT2831L Contact Lens Clinic I * 2
OPT2460 Ophthalmic Dispensing Clinic I * 2
OPT2875 Ophthalmic Dispensing Practicum I * 2
BSC1005 General Biology * 3
GE Course General Education Social & Behavioral Science * 3
Total Term Semester Hours 15

Total Program Semester Hours 72

• Requires a pre- or co-requisite. See course description online at www.broward.edu/ext/ext/Classes/Degree/DepartmentList.jsp.
• General Education courses must be selected from the list of AS Degree courses found in the College Catalog/pasted on line at www.broward.edu/studentresources/advising/Pages/gened.aspx.

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).

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

CAREER & TECHNICAL EDUCATION

PROGRAM PLACEMENT RATES 2009-2011

Current placement rates for Associate of Science (AS), Technical Certificate (TC), and Post-Secondary Adult Vocational (PSAV) programs as reported by the Florida Education and Training Placement Information Program (FETPIP)

<table>
<thead>
<tr>
<th>BC Program Title</th>
<th>Award Type</th>
<th>CIP Code</th>
<th>2009-09 FETPIP Current Placement Rate</th>
<th>2009-10 FETPIP Current Placement Rate</th>
<th>2010-11 FETPIP Current Placement Rate</th>
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<td>2160</td>
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