GEOGRAPHIC INFORMATION SYSTEMS (GIS), ADVANCED TECHNICAL CERTIFICATE

Program Code: 4277  
Career Pathway: Social Behavioral Sciences and Human Services

Location(s): General Education courses can be taken at any college location. Program specific courses may only be offered at Central Campus. Please consult the course schedule semester for locations. ([http://www.broward.edu/locations/Pages/default.aspx](http://www.broward.edu/locations/Pages/default.aspx))

Program Entrance Requirements: Students must hold a minimum of an AS or AAS.

Program Description
This certificate program prepares students for employment as a geographic information systems (GIS) technician or provides GIS training to those currently employed in these occupations. The curriculum includes basic computer skill classes, use of spatial databases for the storage of geographic data, creation of maps and analysis of spatial information, and related technologies of remote sensing and global positioning system (GPS) and how they integrate with GIS. The classes provide extensive training with the popular ArcGIS software.

a. Environmental Science Technology, Associate of Science 2182  
c. Bachelor of Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>GIS1040C</td>
<td>INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS I</td>
<td>3</td>
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<tr>
<td>GIS1042C</td>
<td>INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS II</td>
<td>3</td>
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<tr>
<td>GIS1030</td>
<td>REMOTE SENSING AND APPLICATIONS</td>
<td>3</td>
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<td>GIS1047C</td>
<td>APPLICATIONS OF GEOGRAPHIC INFORMATION SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>12</td>
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Students are strongly encouraged to meet with an advisor ([https://students.broward.edu/resources/advising/](https://students.broward.edu/resources/advising/)) to create a personalized educational plan.

Program Highlights

Credit For Prior Learning
Accelerate your path to completion with these options:

- Credit by exam
- Earned industry certifications
- Prior Learning Assessment
- And much more...

Related Industry Certifications
Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses:

- CIW Database

Get an Internship
After completing your first year of coursework make sure to visit Career Services ([https://broward.edu/career/](https://broward.edu/career/)) for internship opportunities and helpful tools like virtual job shadow, to help take your career to the next level!

- Get an Internship ([http://broward.edu/studentresources/career/Pages/Find-a-job-or-internship.aspx](http://broward.edu/studentresources/career/Pages/Find-a-job-or-internship.aspx))
- Virtual Job Shadow Tool ([http://www.broward.edu/studentresources/career/Pages/default.aspx](http://www.broward.edu/studentresources/career/Pages/default.aspx))
Median Wage and Job Growth Outlook
Broward College has Career Coach! (https://www.broward.edu/careercoach/) It is designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training.

Fund Your Education
This program is Financial Aid (https://www.broward.edu/admissions/financial-aid/) eligible. Scholarships (https://www.broward.edu/admissions/financial-aid/scholarships/) may be available.