



## Associate of Science in Computer Programming and Analysis - 2195

**Career Pathway:** [Science, Technology, Engineering, & Mathematics \(STEM\)](#)

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

**Program Entrance Requirements:** HS Diploma or GED

**Program Description:** The Associate in Science Degree in Computer Programming and Analysis is designed to prepare students for the dynamic world of application and web development. Students will use current technology to learn procedural and object-oriented programming as well as web design including client-side and server-side scripting. The program will culminate with a capstone course in which students will work on a hands-on group project that can be used in their portfolios. Visit the program's [website](#) for more information.

### Build Your Education



### Recommended Course Sequence

Full Time	Part Time	Course ID	Description	Credits	TC1	TC2
Term 1	Term 1	CIS1000C	Introduction to Computer Science	3	X	X
		COP1210C	Programming I	3	X	X
	Term 2	CTS1851C	Web Authoring I	3	X	X
		ENC1101	Composition I	3		
Term 2	Term 3	COP2337C	Programming II	3		X
		COP2071C	Database Design & SQL Programming	3	X	X
	Term 4	CTS2852C	Client-Side Scripting	3	X	X
		MAC1105*	College Algebra (or MAT1033)	3		
Term 3	Term 5	CIS1513C	Project Management	3		
		SPC1024 or SPC1608	Introduction to Speech Communication or Public Speaking	3		
Term 4	Term 6	COP2361C	Object Oriented Analysis and Design	3		X
		Elective*	Object Oriented Programming Elective*	3		X
	Term 7	CTS2857C	Server-Side Scripting	3		X
		GE Course	General Education Science	3		
Term 6	Term 8	CDA2332C	System Architecture	3		X
		CTS1111C	Linux +	3		
	Term 9	GE Course	General Education Humanities	3		
		Elective**	Computer Programming Elective	3		
Term 7	Term 10	GE Course	General Education Social Behavioral/Science	3		
		CIS2949	CS Internship	3		
<b>Total Program Credit Hours</b>				<b>60</b>	<b>18</b>	<b>33</b>

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements. \*Object Oriented Programming Electives: COP2360C or CTS2464C \*\*Student may have to take MAT1033 based on placement score. If the student does not need MAT1033, they must take two of the following courses to fulfill the Computer Programming Electives: CTS2420C, CTS2437C, CTS2464C, COP2335C, COP2360C, COP2658C, COP2660C, COP2111C, CTS1806C, MAT1033\*\*\*. Computer literacy requirement: The computer literacy requirement will be met through completion of CIS1000C.

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

**CHOOSE YOUR COURSES**

## Program Highlights

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**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 Foundations
  - CIW JavaScript
  - Linux+
- 



**Get Career Ready:** After completing your first year of coursework make sure to visit the **Career Center** for internship opportunities that help you take your career to the next level! Also, explore hundreds of career videos and career profiles through Virtual Job Shadow!

[Get an Internship](#)

[Virtual Job Shadow Tool](#)

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**Median Wage and Job Growth Outlook:** Broward College has [Career Coach](#) & the [Career Ladders](#). These tools are 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. Learn how to climb your career ladder.

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**Fund Your Education:**

This Program is [Financial Aid](#) eligible. [Scholarships](#) are available. This program is part of the [Career Source Broward ITA List](#).

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Get Started Today!

START APPLICATION

