



## 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   | TC  |
|-----------------------------------|-----------|---------------------|---|-----------|-----|
| Term 1                            | Term 1    | ENC1101             | Composition I   | 3         |     |
|                                   |           | MAC 1105            | College Algebra   | 3         |     |
|                                   | Term 2    | CIS1000C            | Introduction to Computer Science                        | 3         |     |
|                                   |           | COP1210C            | Programming I   | 3         |     |
| Term 2                            | Term 3    | CTS1851C            | Web Authoring I   | 3         |     |
|                                   |           | COP2337C            | Programming II  | 3         |     |
|                                   | Term 4    | COP2071C            | Database Design & SQL Programming                       | 3         |     |
|                                   |           | Elective*           | Computer Programming Elective Course                    | 3         |     |
| Term 3                            | Term 5    | SPC1024 or SPC1608  | Introduction to Speech Communication or Public Speaking | 3         |     |
|                                   |           | Elective*           | Object Oriented Elective Course                         | 3         |     |
|                                   |           |                     |   |           |     |
| Term 4                            | Term 6    | COP2361C            | Object Oriented Analysis and Design                     | 3         |     |
|                                   |           | GE Course           | General Education Humanities                            | 3         |     |
|                                   | Term 7    | CIS1513C            | Project Management                                      | 3         |     |
|                                   |           | CTS1111C            | LINUX+  | 3         |     |
| Term 6                            | Term 8    | CTS2857C            | Server- Side Scripting                                  | 3         |     |
|                                   |           | GE Course           | Biological/Physical Science                             | 3         |     |
|                                   | Term 9    | CTS2852C            | Client-Side Scripting                                   | 3         |     |
|                                   |           | CDA2332C            | System Architecture                                     | 3         | TC2 |
| Term 7                            | Term 10   | CIS2910C or CIS2949 | Capstone Course<br>CS Internship                        | 3         |     |
|                                   |           | GE Course           | General Education Social/Behavioral Science             | 3         |     |
|                                   |           |                     |   |           |     |
| <b>Total Program Credit Hours</b> |           |                     |   | <b>60</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. \*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, CTS2434C, CTS2437C, CTS2438C, CTS2441C, CTS2442C, CTS2445C, CTS2446C, CTS2451C, CTS2464C, COP2360C, COP2222C, COP2658C, or COP2660C, COP2111C, CTS1806C. Object Oriented Programming Electives: COP2360C or COP2464C. Computer literacy requirement: The computer literacy requirement will be met through completion of CIS1000C.

Students are strongly encouraged to meet with an [advisor](#) to create an educational plan.

**CHOOSE YOUR COURSES**

## 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 Foundations
  - CIW JavaScript
  - Linux+
- 



**Get an Internship:** 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!

---



**Median Wage and Job Growth Outlook:** Broward College has [Career Coach!](#) 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](#) eligible. [Scholarships](#) are available. This program is part of the [Career Source Broward ITA List](#).

---

Get Started Today!

START APPLICATION

