



# NSCC Guided Pathway

2018-19

## Computer Programming (CPD) – Information Technology Pathway Associate in Science • STEM and Education Division

| Recommended Course Selection Sequence |                                    | Required | Credits   | Course Offered             | CPL Option | Completion               |
|---------------------------------------|------------------------------------|----------|-----------|----------------------------|------------|--------------------------|
| CMP101                                | Composition 1                      | Ⓡ        | 3         |                            | X          | <input type="checkbox"/> |
| CPS107                                | Programming Logic and Design       | Ⓡ        | 3         | Fall only                  |            | <input type="checkbox"/> |
| MAT151                                | Precalculus 1                      | Ⓡ        | 3         |                            | X          | <input type="checkbox"/> |
| CPS122 or CPS218                      | Operating Systems UNIX             | Ⓡ        | 4         |                            | X          | <input type="checkbox"/> |
| CPS138                                | Internet Networking and Security   | Ⓡ        | 4         | Online only                |            | <input type="checkbox"/> |
| CPS140                                | HTML                               | Ⓡ        | 4         | Online only                | X          | <input type="checkbox"/> |
| CPS148                                | XML                                | Ⓡ        | 3         | Spring only<br>Online only |            | <input type="checkbox"/> |
| CPS168                                | Introduction to Access             | Ⓡ        | 2         | Spring only<br>Online only | X          | <input type="checkbox"/> |
| Liberal Arts Elective                 |                                    | Ⓡ        | 3         |                            |            | <input type="checkbox"/> |
| CMP150                                | Technical Writing                  | Ⓡ        | 3         |                            |            | <input type="checkbox"/> |
| CPS101                                | Computer Science 1 (Java 1)        | Ⓡ        | 4         |                            | X          | <input type="checkbox"/> |
| CPS170                                | Database Theory and Applications   | Ⓡ        | 4         |                            |            | <input type="checkbox"/> |
| CPS240                                | Web Programming with PHP and MySQL | Ⓡ        | 4         | Fall only<br>Online only   |            | <input type="checkbox"/> |
| CPS102                                | Computer Science 2 (Java 2)        | Ⓡ        | 4         |                            |            | <input type="checkbox"/> |
| CPS210                                | Computer Systems Development       | Ⓡ        | 4         | Spring only<br>Online only |            | <input type="checkbox"/> |
| CPS224                                | Object Oriented Programming in C++ | Ⓡ        | 4         | Spring only<br>Online only |            | <input type="checkbox"/> |
| Open Elective                         |                                    | Ⓡ        | 4         |                            |            | <input type="checkbox"/> |
| <b>Total Program Credits:</b>         |                                    |          | <b>60</b> |                            |            |                          |

### Program Notes

- Open admissions
- Eligible North Shore Promise program
- Day program

### Campus Information

- Lynn campus based

### Additional Graduation Requirements

- Cumulative CLGPA at or above 2.0
- Submit your intent to graduate form at: [www.northshore.edu/registrar](http://www.northshore.edu/registrar)

### Advising Notes

- This degree is intended to prepare a student upon completion for entry-level employment in computer programming and applications.
- Courses are listed in the recommended order you should take them.
- Many courses have prerequisite requirements that must be fulfilled to be eligible to enroll in the course.
- If you intend to graduate with an associate degree in two years, you should enroll in at least 15 credits if taking only fall/spring courses.
- Completing 30 credits each year helps students stay on track to timely graduation.
- Taking classes in the winter intersession and summer can accelerate your time to degree completion.
- All student degree audits for graduation purposes will be based off the official program of study the student is enrolled in.

Ⓡ Required course for degree

X Center for Alternative Studies & Educational Testing (CAS) – Course competencies and prerequisites may be fulfilled through Credit for Prior Learning (CPL). Visit [www.northshore.edu/cas](http://www.northshore.edu/cas) for more information.



**Congratulations NSCC Graduate!**