



# NSCC Guided Pathway

2021-22

## Computer Science Transfer (CST) – Information Technology Pathway

### Associate in Arts • STEM and Education Division

| Recommended Course Selection Sequence |  | Required | Credits   | Course Offered             | CPL Option | Completion               |
|---------------------------------------|--|----------|-----------|----------------------------|------------|--------------------------|
| CMP101                                | Composition 1                          | Ⓡ        | 3         |                            | X          | <input type="checkbox"/> |
| CPS101                                | Computer Science 1 (Java 1)            | Ⓡ        | 4         |                            | X          | <input type="checkbox"/> |
| CPS170                                | Database Theory and Applications       | Ⓡ        | 4         |                            |            | <input type="checkbox"/> |
| MAT251                                | Calculus 1                             | Ⓡ        | 4         |                            | X          | <input type="checkbox"/> |
| CMP102-150                            | Composition 2 Elective                 | Ⓡ        | 3         |                            | X          | <input type="checkbox"/> |
| CPS102                                | Computer Science 2 (Java 2)            | Ⓡ        | 4         |                            |            | <input type="checkbox"/> |
| MAT252                                | Calculus 2                             | Ⓡ        | 4         |                            | X          | <input type="checkbox"/> |
| PHY201                                | Physics 1: Mechanics                   | Ⓡ        | 4         |                            | X          | <input type="checkbox"/> |
| CPS203                                | Data Structures                        | Ⓡ        | 4         | Fall only<br>Online only   |            | <input type="checkbox"/> |
| Humanities Elective                   |  | Ⓡ        | 3         |                            |            | <input type="checkbox"/> |
| MAT241                                | Discrete Structures                    | Ⓡ        | 4         | Fall only                  |            | <input type="checkbox"/> |
| PHY203                                | Physics 2: Electricity and Magnetism   | Ⓡ        | 4         |                            | X          | <input type="checkbox"/> |
| Social Science Elective               |  | Ⓡ        | 3         |                            |            | <input type="checkbox"/> |
| CPS218                                | UNIX                                   | Ⓡ        | 4         |                            |            | <input type="checkbox"/> |
| CPS224                                | Object Oriented Programming in C++     | Ⓡ        | 4         | Spring only<br>Online only |            | <input type="checkbox"/> |
| CPS226                                | Computer Organization and Architecture | Ⓡ        | 4         | Spring only                |            | <input type="checkbox"/> |
| EGS216                                | Introduction to Digital Logic Design   | Ⓡ        | 4         | Spring only                |            | <input type="checkbox"/> |
| <b>Total Program Credits:</b>         |  |          | <b>64</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

- The recommended courses listed are designed upon degree completion for a student to be eligible to transfer to a public Massachusetts state university or UMASS system institution with junior status in the major of computer science.
- 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!**