



# NSCC Guided Pathway

2022-23

## 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"/>
CPS100	Information Technology and Its Applications	Ⓡ	3		X	<input type="checkbox"/>
CPS109	Programming Logic and Design Using Python	Ⓡ	4	Fall only		<input type="checkbox"/>
MAT151	Precalculus 1	Ⓡ	3		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 Online only		<input type="checkbox"/>
CPS168	Introduction to Access	Ⓡ	2	Spring only Online only	X	<input type="checkbox"/>
CPS122	Operating Systems	Ⓡ	4		X	<input type="checkbox"/>
PRO100	Introduction to the Professional Portfolio		1			<input type="checkbox"/>
CMP102-150	Composition 2 Elective	Ⓡ	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 Online only		<input type="checkbox"/>
CPS102	Computer Science 2 (Java 2)	Ⓡ	4			<input type="checkbox"/>
CPS218	UNIX	Ⓡ	4			<input type="checkbox"/>
CPS224	Object Oriented Programming in C++	Ⓡ	4	Spring only Online only		<input type="checkbox"/>
INT200 or Open Elective	Internship	Ⓡ	2			<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.

PRO100/ITR200 is strongly recommended for students entering the workforce. These credits may be replaced with open elective credit for graduation if necessary.  
CMP102-150: Recommend CMP150 Technical Writing

- Ⓡ 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!**