



NSCC Guided Pathway

2022-23

Engineering Science Transfer (EST) – Engineering Science & Industrial 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"/>
EGS102	Introduction to Engineering	Ⓡ	3			<input type="checkbox"/>
CHE103	General Chemistry 1	Ⓡ	4		X	<input type="checkbox"/>
MAT251	Calculus 1	Ⓡ	4		X	<input type="checkbox"/>
PHY201	Physics 1: Mechanics	Ⓡ	4		X	<input type="checkbox"/>
CMP102-150	Composition 2 Elective	Ⓡ	3		X	<input type="checkbox"/>
MAT252	Calculus 2	Ⓡ	4		X	<input type="checkbox"/>
PHY222	Physical Properties of Matter	Ⓡ	4		X	<input type="checkbox"/>
CPS101	Computer Science 1 (Java 1)	Ⓡ	4		X	<input type="checkbox"/>
MAT301	Calculus 3	Ⓡ	4	Fall only		<input type="checkbox"/>
PHY203	Physics 2: Electricity and Magnetism	Ⓡ	4		X	<input type="checkbox"/>
	Engineering Elective	Ⓡ	3			<input type="checkbox"/>
	Engineering Elective	Ⓡ	3			<input type="checkbox"/>
	Engineering Elective	Ⓡ	3			<input type="checkbox"/>
	Engineering Elective	Ⓡ	3			<input type="checkbox"/>
	Humanities Elective or Social Science Elective	Ⓡ	3			<input type="checkbox"/>
	Engineering Elective	Ⓡ	3			<input type="checkbox"/>
	Humanities Elective or Social Science Elective	Ⓡ	3			<input type="checkbox"/>
MAT302	Differential Equations	Ⓡ	4	Spring only		<input type="checkbox"/>
Total Program Credits:			66			

Program Notes

- Special admissions requirement
- Eligible North Shore Promise program
- Day program
- The program provides flexibility, enabling students to take courses that are targeted to their engineering career interests – civil, chemical, electrical, environmental, industrial, mechanical, nuclear, or plastics engineering

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

Advising Notes

- This degree is intended to prepare a student upon completion for transfer into a four-year engineering curriculum. Check your receiving institution to determine best credit transfer options.
- Students are strongly encouraged to work with an engineering faculty advisor to select 15 credits of Engineering Electives which will appropriately meet their specific engineering interests and transfer requirements.
- 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.

Engineering Electives are: CAD105, CAD107, CHE201, CHE202, CPS102, CPS224, EGS201, EGS202, EGS204, EGS206, EGS211, EGS212, EGS214, EGS216, GEO114, MAT210, or PHY302

- Ⓡ 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 for more information.



Congratulations NSCC Graduate!