



NSCC Guided Pathway

2022-23

STEM Foundation (STE) – Engineering Technology Pathway

Associate in Arts • STEM and Education Division

Recommended Course Selection Sequence		Required	Credits	Course Offered	CPL Option	Completion
CMP101	Composition 1	Ⓡ	3			<input type="checkbox"/>
ECO103	Principles of Macroeconomics	Ⓡ	3			<input type="checkbox"/>
MAT151	Precalculus 1	Ⓡ	3			<input type="checkbox"/>
CAD105	Computer Aided Design: AutoCAD	Ⓡ	3			<input type="checkbox"/>
MET103 or EGS102	Introduction to Manufacturing Introduction to Engineering	Ⓡ	3	MET103 offered Fall only		<input type="checkbox"/>
CHE103	General Chemistry 1	Ⓡ	4			<input type="checkbox"/>
MAT152	Precalculus 2	Ⓡ	3			<input type="checkbox"/>
CMP102-150	Composition 2 Elective	Ⓡ	3			<input type="checkbox"/>
CAD106 or CAD107	Computer Aided Design: 3D AutoCAD & Revit Computer Aided Design: SolidWorks	Ⓡ	3	CAD107 offered Spring and Summer only		<input type="checkbox"/>
MAT251	Calculus 1	Ⓡ	4			<input type="checkbox"/>
PHY101 or PHY201	Introductory Physics 1 Physics 1: Mechanics	Ⓡ	4			<input type="checkbox"/>
SPE102	Speech	Ⓡ	3			<input type="checkbox"/>
CAD103	Fundamentals of CNC	Ⓡ	3	Fall only		<input type="checkbox"/>
PRO100	Introduction to the Professional Portfolio	Ⓡ	1			<input type="checkbox"/>
ECO104	Principles of Microeconomics	Ⓡ	3			<input type="checkbox"/>
CAD203	Geometric Dimensioning and Tolerancing	Ⓡ	3	Spring only		<input type="checkbox"/>
	Humanities Elective	Ⓡ	3			<input type="checkbox"/>
CAD201	CAD/CAM in Design and Technology	Ⓡ	3	Spring only		<input type="checkbox"/>
	Liberal Arts Elective	Ⓡ	3			<input type="checkbox"/>
	STEM Elective	Ⓡ	2			<input type="checkbox"/>
Total Program Credits:			60			

Program Notes

- Open admissions
- Eligible Commonwealth Commitment program
- Eligible North Shore Promise program
- MassTransfer program
- Day, evening, and online program

Campus Information

- Lynn or Danvers campus

Additional Graduation Requirements

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

Advising Notes

- PHY201 must be taken concurrently with or after MAT251.
- Students are advised to take EGS206 Materials Science to satisfy the STEM elective.
- The recommended courses listed above are designed upon degree completion to enable a student to be eligible to transfer to a public Massachusetts state university or UMASS system institution a STEM related field with junior status in their major. To determine best credit transfer options by field, seek advising from STEM advisors
- 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 for more information.



Congratulations NSCC Graduate!