



NSCC Guided Pathway

2022-23

Advanced Manufacturing Pathway Certificate (MNC) – Engineering Science & Industrial Technology Pathway Certificate • STEM and Education Division

Recommended Course Selection Sequence		Required	Credits	Course Offered	CPL Option	Completion
CMP101	Composition 1	Ⓡ	3		X	<input type="checkbox"/>
CAD105	Computer Aided Design: AutoCAD	Ⓡ	3			<input type="checkbox"/>
MAT151	Precalculus 1	Ⓡ	3		X	<input type="checkbox"/>
MET103 or EGS102	Introduction to Manufacturing Introduction to Engineering	Ⓡ	3			<input type="checkbox"/>
CAD106 or CAD107	Computer Aided Design: 3D AutoCAD & Revit Computer Aided Design: SolidWorks		3			<input type="checkbox"/>
MET105 or TECH-Elective	Basic Machine Operation Technical Directed Elective		3			<input type="checkbox"/>
CAD103	Fundamentals of CNC		3			<input type="checkbox"/>
CAD203 or CAD201	Geometric Dimension and Tolerance CAD/CAM in Design and Technology		3			<input type="checkbox"/>
PRO100	Introduction to the Professional Portfolio		1		X	<input type="checkbox"/>
Open Elective			1			<input type="checkbox"/>
Total Program Credits:			26			

Program Notes

- Open admissions
- Stackable credential
- Day or evening program
- This certificate program allows credit for prior learning/work experience in manufacturing. Please contact CAS for more information

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 certificate is intended to prepare a student upon completion with the knowledge and skills for entry-level employment in the manufacturing industry.
- Program electives enable students to focus on technical courses that may align with individual educational and career goals in manufacturing.
- For students interested in continuing their education in manufacturing, courses in this certificate count towards the STEM Foundation Associate Degree.
- Courses are listed in the recommended order you should take them.
- 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!