



NSCC Guided Pathway

2021-22

Advanced Manufacturing Technology (MND) – 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"/>
CPS100	Information Technology and Its Applications	Ⓡ	3		X	<input type="checkbox"/>
Experiential Learning Directed Elective		Ⓡ	3			<input type="checkbox"/>
MAT131	Technical Mathematics 1	Ⓡ	4	Fall only		<input type="checkbox"/>
MET124	Basic Print Reading for Manufacturing	Ⓡ	2			<input type="checkbox"/>
CAD101	Principles of Computer-Aided Design 1	Ⓡ	4		X	<input type="checkbox"/>
Experiential Learning Directed Elective		Ⓡ	3			<input type="checkbox"/>
MAT132	Technical Mathematics 2	Ⓡ	4			<input type="checkbox"/>
MET103	Introduction to Manufacturing	Ⓡ	3			<input type="checkbox"/>
MET122	Materials	Ⓡ	3	Spring only		<input type="checkbox"/>
Liberal Arts Elective		Ⓡ	3			<input type="checkbox"/>
MET220	Fundamentals of Computer-Aided Manufacturing	Ⓡ	3	Fall only		<input type="checkbox"/>
MET224	Operations Management	Ⓡ	3	Fall only		<input type="checkbox"/>
Technical Directed Elective		Ⓡ	3			<input type="checkbox"/>
Experiential Learning Directed Elective or Technical Directed Elective		Ⓡ	3			<input type="checkbox"/>
CMP150	Composition 2: Technical Writing	Ⓡ	3	Spring only		<input type="checkbox"/>
MET230	Tools and Measurement	Ⓡ	3	Spring only		<input type="checkbox"/>
MET240	Manufacturing Capstone Project	Ⓡ	3	Spring only		<input type="checkbox"/>
Technical Directed Elective		Ⓡ	3			<input type="checkbox"/>
Experiential Learning Directed Elective or Open Elective		Ⓡ	3			<input type="checkbox"/>

Total Program Credits:

62

Program Notes

- Special admissions requirement
- Fall start only
- Evening program only
- This degree program will be available to graduates of the Advanced Manufacturing Technology Certificate Program, beginning in Fall 2017 pending sufficient enrollment

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 entry-level employment and for specialized professional career advancement tracks within advanced manufacturing industries.
- Program electives enable students to focus on technical areas that may align with individual educational and career goals in manufacturing.
- 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 intercession 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!