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Machining & Manufacturing Technology

Degree Pathway

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 30 credit hours. Consult with an advisor for more information.

( ) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Required Courses			
Course ID	**Course Title**	**Credit Hours**	**Notes**
MC104	Machine Technology Math	2.00	Fall 2026, Spring 2027
MC110	Bench Work	1.00	Fall 2026
MC111	Print Reading	3.00	Fall 2026, Spring 2027
MC112	Quality Control and Inspection	1.00	Fall 2026, Spring 2027
MC113	Metallurgy	1.00	Spring 2027 Prereq: MC110 BenchWork with a Grade of C or higher, and MC115 Machining I with a Grade of C or higher.
MC114	Machine Tool Processes	1.00	Spring 2027
MC115	Machining I	3.00	Fall 2026
MC116	Machining II	3.00	Fall 2026, Spring 2027 Prereq: MC110 BenchWork with a Grade of C or higher, and MC115 Machining I with a Grade of C or higher.
MC117	CNC Operations	3.00	Fall 2026 Prereq: MC115 Machining I with a Grade of C or higher, or Departmental Consent.
MC204	Machine Practices I	3.00	Fall 2026 Prereq: Departmental Consent.
MC205	Machine Practices II	3.00	Spring 2027 Prereq: Departmental Consent, or MC204 Machine Practices I w/Grade of C or higher.
MC206	CNC Operations-Advanced	3.00	Spring 2027 Prereq: MC117 CNC Operations.
TR120	Work Ethics	2.00	Fall 2026, Spring 2027
TR121	General Industrial Safety/OSHA10	1.00	Fall 2026
Electives			
No electives			

Total Credits: 30.00