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## Machining & Manufacturing Technology - CERT A

### 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 21 credit hours. Consult with an advisor for more information.

(T) are Systemwide Transfer Courses

Required Courses			
Course ID	Course Title	Credit Hours	Notes
MC104	Machine Technology Math	2.00	Fall, Spring
MC110	Bench Work	1.00	Fall, Spring
MC111	Print Reading	3.00	Fall, Spring
MC112	Quality Control and Inspection	1.00	Fall, Spring
MC113	Metallurgy	1.00	Fall, Spring 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	Fall, Spring
MC115	Machining I	3.00	Fall, Spring
MC116	Machining II	3.00	Fall, Spring 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, Spring Prereq: MC115 Machining I with a Grade of C or higher, or Departmental Consent.
MC118	Safety (OSHA)	1.00	
TR120	Work Ethics	2.00	Fall, Spring
Electives			
No electives			

**Total Credits: 21.00**