

# MIT Certificate Requirements

All courses in Career Pathways certificates count toward the AAS degree in Manufacturing and Industrial Technology. When you have finished the pathway certificate, you have completed the first step in the degree.

## Manufacturing Technician Certificates

The following certificates in **Manufacturing Technician** all share the same core courses. After completing the core, students may choose

IMT 106	Hand Tool/Power Tool Use & Safety	1
IMT 100	Exploring Manufacturing & Apprenticeship	1
IMT 102	Industrial Safety	4
IMT 103	Industrial Math	4
IMT 222	Practices and Measurement	3
IMT 230	Preventative Maintenance	3
MCH 102	Intro to Manufacturing	3
WLD 102	Blueprint Reading	4

AND complete the following courses in either one or all areas of emphasis:

### Machining Emphasis

MCH 121	Manufacturing Processes I	4
MCH 121	Manufacturing Processes II	4
MCH 135	Basic Measuring and Layout Tools	3

### Welding Emphasis

WLD 111	SMAW/Oxy-acel Cutting	4
WLD 112	SWAW (7018)	4

### Electrical Emphasis

ELT 110	Electricity for the Non-electrician	2
ELT 125	Basic Programmable Controllers (PC-Based)	2
ELT126	Intermediate Programmable Controllers (PC-Based)	2

### Millwright Emphasis

DRF 270	SolidWorks Fundamentals	3
IMT 104	Rigging	3
IMT 105	Industrial Hydraulics I	3

to complete one emphasis area or complete all emphasis areas in the following areas: **Welding, Machining, Electrical or Millwright**. Students who are considering apprenticeships may also start here.

## CORE courses for Manufacturing Technician: Welding, Machining, Electrical, & Millwright Certificates:

**In addition to the Manufacturing Technician Certificates, the program carries the Certified Production Technician Certificate.**

Students who successfully complete this certificate will have the opportunity to sit for the national certification exam through the Manufacturing Skills and Standards Council (MSSC).

### Certified Production Technician: 13 Credits

IMT 102	Industrial Safety	4
IMT 222	Practices and Measurement	3
IMT 230	Preventative Maintenance	3
MCH 102	Intro to Manufacturing	3

### Green Technology Certification Opportunity

GT 106	Green Production Practices	3
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