

Applied Manufacturing Technology PROGRAMS



Course Title	Course Number/ Credits	Precision Machining Technology (PMT)	Manufacturing Technology Apprenticeship Sequence (MAT)	*Applied Industrial Technology (Associate of Applied Science)
Mechanical and Spatial Relations	ATMT-1000 / 4	X		
Manufacturing Skills I (Basic B/P)	ATMT-1100 / 3	X	X	X
Manufacturing Skills II (Shop Math)	ATMT-1110 / 2	X	X	X
Machine Operations I	ATMT-1120 / 6	X		
Machine Tool Theory	ATMT-1200 / 4		X	X
Field Experience	ATMT-1950 / 2		X	<ul style="list-style-type: none"> • ISET-1310: Mechanical Power Transmission • MATH-1xxx: 1000-level or higher • ENG-1010 or 101H: College Composition I/Honors
Machine Operations II	ATMT-2120 / 6	X		
Manufacturing Procedures (Dies)	ATMT-1300 / 2	X	X	X
Introduction to AutoCAD (CAD)	ATMT-1600 / 2		X	X
Manufacturing Tech Skills I (Int. B/P)	ATMT-1500 / 4		X	X
Field Experience	ATMT-1950 / 2		X	<ul style="list-style-type: none"> • BADM-1020: Intro to Business • MATH-1xxx: 1000-level or higher
Advanced Mfg Procedures (CAD)	ATMT-2300 / 2		X	X
CNC Programming (CNC Simulator)	ATMT-2600 / 2		X	X
Manufacturing Tech Skills II (B/P-Math)	ATMT-2500 / 4		X	X
Field Experience	ATMT-1950 / 2		X	<ul style="list-style-type: none"> • Social and Behavioral Sciences/ Natural and Physical Sciences requirement • BADM-1122: Principles of Mgmt and Organizational Behavior
Advanced Die Making	ATMT-2400 / 2		X	X
CAM Principles (MasterCAM)	ATMT-2620 / 2		X	X
Manufacturing Tech Skills III (Inventor)	ATMT-2700 / 4		X	X
Field Experience	ATMT-1950 / 2		X	<ul style="list-style-type: none"> • COMM-1000: Fundamentals of Interpersonal Communication • Arts and Humanities requirement
	TOTAL CREDITS:	27	41	60

*Denotes mandatory English assessment

- All programs are financial aid eligible (including scholarship and grant opportunities)
- Mandatory English and math assessments determine courses in which students may register

Visit tri-c.edu/paying-for-college/index.html for current tuition and fees.

Applied Manufacturing Technology PROGRAMS



Competency Award

PMT (Credit) Machining and Composites

- 28-week training
- Credits: 27
- Median salary: \$30-\$55K
- Tuition: \$3,105 plus fees

Requirements

High school diploma/
GED
College application
Math assessment
(ALEKS)



State Journeyman Certificate

Apprenticeship Manufacturing Technology

- Four-year on-the-job training
- Credits: 41
- Median salary: \$40-\$55K
- Tuition: \$4,697 plus fees

Requirements

Employer
(manufacturing)
Apprenticeship
agreement
High school diploma/
GED
College application
Math assessment
(ALEKS)



Associate of Applied Science (Manufacturing Technology)

Applied Industrial Technology (Manufacturing Technology)

- Two-year degree program
- Credits: 60
- Median salary: \$45-\$70K
- Tuition: \$6,873 plus fees

Requirements

High school diploma/
GED
College application
Math assessment
(ALEKS)
English placement

Popular careers

Project manager
Cost estimator
Safety coordinator
Quality control
technician



Bachelor of Engineering Technology

Excelsior University and Ohio University

- Four-year degree program
- Credits: 124
- Median salary: \$55K+
- Tuition: See college website
excelsior.edu
ohio.edu

Requirements

High school diploma/
GED
College application
Math assessment
(ALEKS)
English placement

Popular careers

Project engineer
Manufacturing engineer
Production team leader
Quality assurance
engineer