

ADVANCED MANUFACTURING TECHNOLOGIES

Advanced Manufacturing Technologies is designed for students interested in careers in areas such as: machining, tool and die, CNC programming/operation, millwright, robotics, and engineering. This program offers a high earning potential and a wide array of career choices. Students learn to apply the concepts of the various manufacturing technologies on both manual and state-of-the-art machines.



Program Highlights:

- Utilize advanced computer-controlled technology to design, create and build high-tech precision parts and tools used worldwide in everyday products
- Program and operate advanced robotic equipment to perform a variety of manufacturing applications
- Program and control industrial CNC machines to produce products from engineering blueprints to print specifications

The Program Focuses on the Following State Approved Courses:

- Machine Tools
- Machining with Industrial Lathes
- Machining with Industrial Milling Machines
- Computer Numerical Control Technology with Industrial Mills-Lathe



COST-FREE COLLEGE CREDIT OPPORTUNITIES

College Credit Plus through Owens Community College

- CAD 125: Production Drawing (3 Credit Hours)
- CAM 122: CNC Mill Applications (2 Credit Hours)
- CAM 160: Machining I (2 Credit Hours)
- CAM 161: Machining II (2 Credit Hours)

Career Technical Credit Transfer (CT2)

- CTS001: OSHA 10-Hour Safety (1 Credit Hour)

INDUSTRY-RECOGNIZED CREDENTIALS (POINT VALUES)

- Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate of Completion (12 points)
- FANUC – Handling Tool Operation & Programming (6 Points)
- OSHA 10-Hour Training (1 Point)

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY-BOTTOM 10%	TYPICAL SALARY-MEDIAN	TYPICAL SALARY-BOTTOM 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Machinists*	\$26,770	\$42,020	\$61,580	HS Diploma or Equivalent	2,860
Computer-Controlled Machine Tool Operators, Metal and Plastic*	\$27,010	\$40,100	\$58,080	HS Diploma or Equivalent	1,330
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic*	\$31,330	\$49,330	\$76,120	Postsecondary Non-degree Award	250
Tool and Die Makers*	\$32,850	\$51,380	\$71,370	Postsecondary Non-degree Award	650
Manufacturing Production Technicians*	\$35,190	\$56,540	\$93,850	Associate's Degree	310
Manufacturing Engineers*	\$42,500	\$87,240	\$143,770	Bachelor's Degree	530
Materials Engineers*	\$55,110	\$88,530	\$140,810	Bachelor's Degree	120
Quality Control Systems Managers*	\$59,180	\$96,150	\$159,650	Bachelor's Degree	740

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF OCTOBER 2018; VISIT OHIOMEANSJOBS.COM FOR MORE INFORMATION.

*Denotes an In-Demand Occupation in the State of Ohio

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EDUCATION WITH PURPOSE

CAREER TREE



TECHNICAL CAREERS

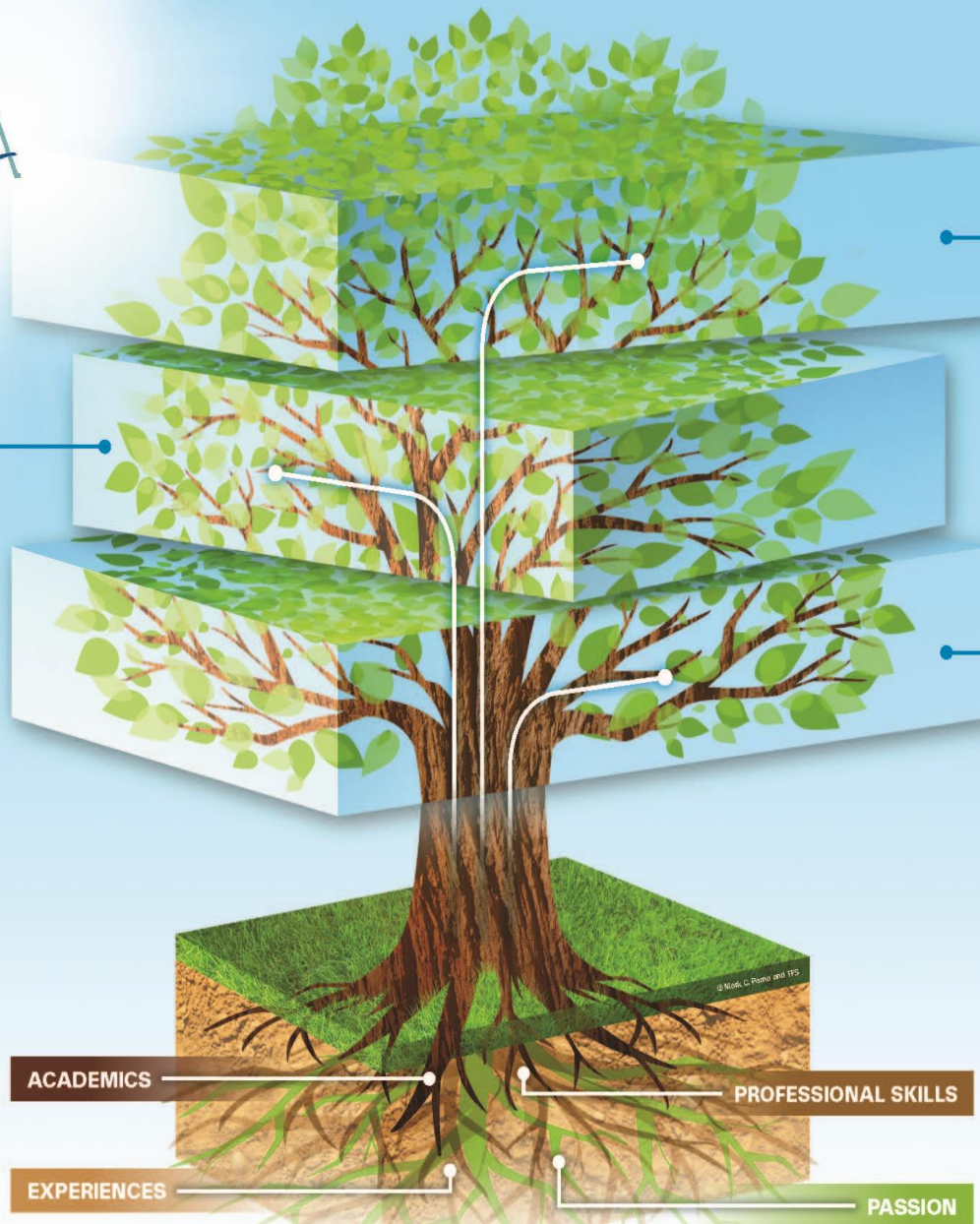
- Machinist
- Maintenance Machinist
- Millwright
- Quality Control Inspector
- Mold Maker
- Pattern Maker
- Tool & Die Maker
- Instrument Maker
- CNC Programmer
- CNC Machinist
- Machine Builder
- Robot Programmer

PROFESSIONAL CAREERS

- Manufacturing Engineer
- Quality Manager
- Aerospace Manufacturing Manager
- Medical Device Manufacturing Engineer
- Computer Automated Manufacturing Engineer
- Manufacturing Sales Engineer
- Aeronautical Engineer
- Aerospace Engineer
- Metallurgist
- Instructor
- Quality Engineer
- Plant Engineer

ENTRY-LEVEL CAREERS

- Machine Operator
- CNC Operator
- Robot Operator
- Material Handler
- Assembler
- Packager
- Press Operator
- Quality Assistant
- Apprentice
- Stock Cutter/Handler
- Inspector
- Manual Machine Tool Operator



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For Carver Tool® tools and materials please visit TFSresults.com and call our team at 330.840.2680.

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