

Machining Technology

Description

Good money!! Fun work!! Do you like to work with your hands? If so, come join the high-paying, exciting world of manufacturing and learn the very latest in machining operations at Tulsa Tech. In the Machining Program, students will actually learn and use precision techniques to make parts from various types of metal, using milling machines, lathes, and grinders; and then assemble projects from those parts. They will also learn to read blueprints, accurately use measuring instruments; and load, set-up and operate a variety of production machines. Computer Numerical Control (CNC) operations and programming are the advanced courses in this sophisticated curriculum that prepares students for the high-paying jobs available in today's global economy. Related math concepts and quality control procedures will also be addressed as students learn languages and codes, determine edits and offsets, and produce/inspect parts to a high level of precision.

- Train in a National Institute for Metalworking Skills (NIMS) certified program for high paying, in-demand jobs
- Learn to operate a variety of advanced precision machines
- Work with a variety of metals gaining practical skills for all levels of employment

College Credit

College credit may be available through TCC, RSU, or OSU-Institute of Technology. For more details call the college relations office at 918-828-5205. All college credit is awarded by the college/university.

Credential/Industry Certifications

National Institute for Metalworking Skills (NIMS)

Application Process

Apply ON-LINE at www.tulsatech.edu/apply. Applications can also be obtained in the counseling offices on any of the campuses; at the Career Services Center located on the Memorial Complex; or by calling 918-828-5200.

Career Majors/Courses

Manufacturing Production Machinist Courses

Orientation to Machining
Machine Tool Theory
Fundamentals of Manufacturing
Precision Measurement
Introduction to Quality Control
Workforce Staging
Print Reading for Machining
Engine Lathe Operations
Milling Operations
Computer Numerical Control Operations
Computer Numerical Control Programming I
Computer-Aided Machining I
CNC Lathe Operations
CNC Milling Operations
Computer Numerical Control Programming II
Computer-Aided Machining II
CNC Production Applications
CNC Milling Production Applications

Employment Opportunities

Tulsa Tech's Career Placement Services team builds partnerships with Tulsa area businesses & industry to create opportunities for work-based experiences and job placement. Job search assistance is provided before and after graduation. Services include with employment information, resume building, refining interview skills and life-time access to the Tulsa Tech Job Connect database. Call Career Placement Services at 918-828-5270 or visit www.tulsatech.edu/jobconnect / email jobconnect@tulsatech.edu.

2010-2011 year completion & placement data per Oklahoma Department of Career and Technical Education guidelines:

- Total Enrolled: 88
- Completion: 45%
- Completed on-time: 100%
- Job Placement: 88%
- Returning Students to 2nd Year: 25%
- OPE ID: 005311 / CIP: 48.0503

Campus Location

Broken Arrow Campus
4000 W. Florence
(129th East Ave & 111th Street South)
Broken Arrow, OK 74011-1740
(918) 828-3000
FAX (918) 828-3009

Area Salary

For information concerning working conditions, physical requirements, employment and job outlook please refer to the Occupational Outlook Handbook (OOH), 2010-11 Edition at <http://www.bls.gov/oco/>.

Salary information can be found at The Occupational Information Network (O*NET) Resource Center at <http://www.onetonline.org/>. O*NET-SOC Code: 51-4041.00

Who Can Attend?

High school students / Adults

Tuition/Fees/Books

- Tuition: \$1,530*
- Lab & Required Fees: \$289.50*
- Additional Required Costs: \$156**
- Optional Fees: \$157

**High school students living in the Tulsa Tech school district are not charged tuition, fees & books.*

***Additional required costs: books, equipment, tools, uniforms & supplies.*

Scheduling Information

H.S. / 2 school years:

August - May

H.S. sessions:

1st Year: 7:45 - 10:45 A.M. / 11:50 - 2:50 P.M.
2nd Year: 7:45 - 10:45 A.M. only

Adults / 9-21 months Adult sessions:

1st Year: 7:45 - 10:45 A.M. / 11:50 - 2:50 P.M.
2nd Year: 7:45 - 10:45 A.M. only
All Day: 7:45 A.M. - 2:50 P.M.

Check with Admissions Office at 918-828-5260 for start dates.

Financial Aid

Financial assistance is available through several options at Tulsa Tech. For the most up-to-date information, call 918-828-5280 or visit www.tulsatech.edu. Some career majors are eligible for federal financial aid. To apply, go to: www.fafsa.ed.gov.