

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.

2009-2010 year completion & placement data:

- Total Enrolled: 74
- Completion: 55%
- Completed on-time: 88%
- Job Placement: 71%
- Returning Students: 43%
- 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: \$2,805 - \$2,932.50*
- Lab & Required Fees: \$427*
- Additional Required Costs: \$156
- Optional Fees: \$117 - \$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 students: 11:50 - 2:50 P.M. only
 2nd year students: 7:45 - 10:45 A.M. only

Adults / 9-21 months Adult sessions:

1st year students: 11:50 - 2:50 P.M. only
 2nd year students: 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.