

Machining Technology at a Glance



Program Description

This program allows students to gain skills and knowledge in various manufacturing procedures and operations including lathe and mill operations with emphasis on conventional/manual machining operations. Program includes classroom and laboratory instruction in safety, proper use of hand and power tools, blueprint reading and sketching, precision measuring and layout, setup, operation, clean-up and basic maintenance of lathes, milling machines and surface grinders with extra emphasis on CNC setup and operation. Students will utilize CATIA competencies to draw, program and machine actual parts. O-NET Code: 51-4041.00

Machining Program Contacts:

Admissions Counselors:

Marcus Hernandez
mhernandez12@watc.edu
 (316) 677-1032

Liz Ball
eball@watc.edu
 (316) 677-1037

Academic Advisor:

Brian Lee
blee3@watc.edu
 (316) 677-1810

You can meet with Marcus or Liz immediately for program information, tours, and inquires. For enrollment and educational planning, you can make an appointment with Brian during these hours:

Entry Requirements:

-Be 16 years of age or older

Program Start Dates:

Primary start dates are: August (Fall) and January (Spring). General education classes can be taken: March, June, and October.

	9am - 11am	11am - 2:30pm	3:30pm - 5pm	5pm - 6pm
Monday	Walk-in	Appt. Preferred	Appt. Preferred	Appt. Preferred
Tuesday	Walk-in	Appt. Preferred	Walk-In	Appt. Preferred
Wednesday	Appt. Preferred	Appt. Preferred	Walk-In	Appt. Preferred
Thursday	Appt. Preferred	Appt. Preferred	Walk-In	Appt. Preferred
Friday	Walk-in	Appt. Preferred	Appt. Preferred	

Type of Degree/Certificate TC – Technical Certificate AAS – Associates Degree COC – Certificate of Completion	Day/ Evening	Length Based on Average Rate of Completion	Hours** (Please see below the chart for further clarification)	*Cost Tuition Only	Financial Aid Eligible
AAS - Machining Technology	Day	1 ½ years	M-F 8am - 3pm	\$14,096	Yes
AAS - Machining Technology	Eve	2 Years	M-Th. 5pm - 10pm	\$14,096	Yes
TC – Machining Technology	Day	6-9 Months	M-F 8am - 3pm	\$10,155	Yes
TC – Machining Technology	Eve	1 Year	M-Th. 5pm - 10pm	\$10,155	Yes
TC - Manual Machining	Day	6 Months	M-F 8am – 3pm	\$5,253	Yes
TC – CNC Operator	Day/Eve	6 Months	M-F 8am-3pm/M-Th. 5pm -10pm	\$4,385	Yes

Costs are approximate and subject to change. Amounts include: Tuition, Lab Fees, and Student Fees (Books, Digital Devices, Shirts, and Tools not included in amount). **Classes are in blocks of 8am – 11am, 12pm – 3pm, and 5pm – 10pm for machining classes. CATIA blocks are 8am – 12pm, 1pm – 5pm, and 5pm – 9pm. Class schedules and availability are subject to change. For current info, please visit: <http://watc.edu/machining-technology/>



This program is accredited by HLC and Kansas Board of Regents.
 More information at: <http://watc.edu/get-started/>



Frequently Asked Questions

Q. How do I get started?

A. We would invite you to meet with us to discuss the program at any time Monday through Friday. You can also schedule an appointment via email or phone call. After the admissions requirements are met, you can meet with our academic advisor to enroll in classes and create an educational plan.

Q. When can I start the machining program?

A. The primary start dates are in August and January. However, you can begin general education and some technical classes in March, June, and October. Please check with the admission counselors or academic advisor for more details.



Q. What wage can someone expect to make with this program?

A. According to the Bureau of Labor Statistics (May 2015); Kansas average hourly wages are \$19.67 and yearly wages are \$40,910 annually. The typical entry level education for this field is a technical certificate.

Q. What certifications or career opportunities can I achieve here at WATC?

A. Aside from the WATC certificates and degree, there are a couple of additional credentials you can earn. You can earn a NIMS (National Institute of Metal Working Skills) Machining Level 1 – Measurement, Materials and Safety, National Aviation Consortium – CNC Operator, and OSHA 10 General Certification. The program is accredited by NIMS and the Kansas Board of Regents. Additional programs that blend well with machining are: Robotics, Welding, Engineering Design, and Non-Destructive Testing.

Q. Are tools required for this program?

A. You will need tools, machining shirts, and digital device (tablet or laptop) for this program. Tool kits and shirts are available through Snap-On Tools and together cost around \$450. Technical textbooks will cost around \$285 for the whole program. General education textbooks will cost around \$480.

Questions for our Instructors?

Justin Maples: jmaples@watc.edu
Michael Corby: mcorby@watc.edu
Gregory Sanderson: gsanderson@watc.edu

Q. What makes your machining program different than other programs?

A. Our program goes beyond basic machining training. We incorporate a few classes of CATIA drafting in our program which is taught in conjunction with the National Institute of Aviation Research (NIAR). Our National Center of Aviation Training is one of the nation's top learning facilities. Our students have won awards from SkillsUSA and many scholarships from industry leaders like Airbus and the Wichita Manufacturing Association.

Source: Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2016-17 Edition*, Machinists and Tool and Die Makers, on the Internet at <https://www.bls.gov/ooh/production/machinists-and-tool-and-die-makers.htm>