



HIGH WAGE + HIGH-DEMAND

Advanced Systems Technology

[MANUFACTURING]



Elevate yourself in the job market by choosing a career in advanced systems technology. Our graduates troubleshoot, repair and maintain industrial machinery and equipment to keep production lines and distribution systems running. Lost production time is lost revenue. This career can turn you into a key player in a company's game plan.

LEARNING AT WASHBURN TECH

Train on the latest, state-of-the-art technology. You will study topics such as mechanical systems, hydraulics, controls and pneumatics and earn OSHA-10 safety certification. This 48-credit-hour program also covers welding, machine tool and robotics. Additional courses are recommended such as technical communication and computer applications. Attending full-day, you can complete the program in two semesters, while half-day and high school students can finish in four semesters. Upon completion, you may be eligible to complete an associate degree or more advanced degrees at Washburn University. Please see a recruiter for details.

JOB AND SALARY OUTLOOK

Area manufacturers are aggressively hiring people with industrial maintenance skills. According to the Kansas Department of Labor, an entry-level industrial machinery mechanic earned an average

of \$21.04 an hour or \$43,770 annually in 2022, while the average wage was \$29.87 an hour or \$62,130 annually.

ENTRY REQUIREMENTS

Students are required to meet the minimum score on an assessment test. Washburn Tech offers the Accuplacer. A score of 5 in reading and 6 in math is required. Other assessments or college coursework can be accepted in place of Accuplacer. Please see an admissions counselor for details. Students also must complete an application and submit an official copy of all transcripts.

CERTIFICATIONS

+ OSHA-10



Build your best self.

TALK TO AN ADMISSIONS COUNSELOR TODAY!

785.670.2200

CAREERS IN AST »

- + factory maintenance
- + crane oiler
- + millwright
- + boilerhouse
- + foundry equip. mechanic
- + hydroelectric mechanic
- + bag machine adjuster
- + product line mechanic

COURSE DESCRIPTIONS

SAFETY/OSHA-10

Focus on job/site safety and precautions

TECH MATH II

Covers concepts that build on problem-solving skills using geometry, algebraic expressions and techniques

BASIC ELECTRICITY I

Introduction to electricity; basic electrical components and their characteristics, circuit schematics and analysis

MECHANICAL SYSTEMS I

Covers mechanical energy transmission concepts

FLUID POWER I

Provides fundamentals of pneumatics, air compressors, control valves, pneumatic cylinders

LATHE/MILL/GRIND: INDUSTRIAL MAINTENANCE

Covers fundamental manual machine operator skills and basis precision measuring techniques

MECHANICAL SYSTEMS RELIABILITY

Covers mechanical energy transmission concepts

ELECTRICAL CONTROL SYSTEMS I

Introduces electrical control systems

ADVANCED ELECTRICAL CONTROL SYSTEMS

Builds on concepts covered in previous course

INDUSTRIAL WELDING BASICS

Introduces basic concepts of general welding

ELECTRICAL CONTROL SYSTEMS II

Provides an understanding of reversing motor circuits, solid state devices and system integration

FLUID POWER II

Focuses on hydrodynamics, hydraulic principles, hydraulic circuitry and diagrams, piping and valves

INDUSTRIAL PROGRAMMABLE LOGIC CONTROL

Introduction to PLCs

INDUSTRIAL PROCESS CONTROL

Covers different types of process control systems

COMMERCIAL & INDUSTRIAL WIRING

Covers the routing, labeling and installation of wiring and components in an electrical control panel as well as wiring electric motors and external devices

ROBOTICS I & II

Focuses on robotics



APPLICATION CHECKLIST



**MEET WITH
ADMISSIONS**



**TAKE
ACCUPLACER***



**SUBMIT
TRANSCRIPT(S)**



**PAY
ENROLLMENT
FEE
(ADULT ONLY)**

2023-2024 PROGRAM COSTS (Estimated)

	HIGH SCHOOL	ADULT
Enrollment fee	\$0	\$50
Tuition	*\$456	\$7,296
All other fees	\$453	\$1,848
TOTAL	\$909	\$9,194

*Tiered courses are paid by Excel in CTE. Non-tiered courses are paid by the student.

ADDITIONAL CHARGES** (Estimated)

	HIGH SCHOOL	ADULT
Tools/Books	\$1,491	\$1,491

COST NOTE

**A list of required tools/books is on a separate sheet of paper and on our website, WashburnTech.edu. Students also will need to purchase supplies such as (but not limited to) pens/pencils, notebooks/paper, three-ring binder, etc. Students may purchase them at the vendor of their choice.

MORE INFO »

For more programs, enrollment and course schedule information, please contact Admissions. Financial Aid is available to those who qualify.

CALL 785.670.2200

TO TALK W/ ADMISSIONS COUNSELOR