



PURSUE A PIPELINE  
TO A PROMISING CAREER

# Plumbing Technology

[CONSTRUCTION]



Life, as we know it, would not be possible without the hard work of plumbers. This high demand career offers both personal and financial rewards. Professional plumbers install and repair pipes for water, gas and sewage. They also install sanitary facilities such as toilets, showers, laundry equipment and sinks. If you are a hands on person, this is a fitting choice for you!

### LEARNING AT WASHBURN TECH

Washburn Tech's Plumbing Technology program introduces students to the knowledge and skills required for entry into the residential plumbing industry. You will learn how to read site plans and install various pipes, pipe-fittings, fixtures and valves. Instruction also covers water distribution systems and key aspects of waste removal systems. Codes and regulations pertaining to the plumbing industry are key topics, as well. The program concludes with an internship, providing each student with hands on experience under the guidance of professionals in the field. Attending half-day, you can complete this 27-credit hour program in two semesters. **Please note, this program is offered at Washburn Tech East at 2014 SE Washington St. in Topeka.**

### JOB AND SALARY OUTLOOK

Employment of plumbers, pipefitters and steamfitters is projected to grow 5 percent by 2030, according to the U.S. Bureau of Labor

Statistics. Much of the growth is attributed to a retiring workforce. The Kansas Department of Labor lists the average entry-level salary for a plumber at \$18.20 an hour or \$37,850 annually. The average is \$24.69 an hour or \$51,350 annually.

### ENTRY REQUIREMENTS

You are required to take the Accuplacer exam and score a minimum of 4 in reading and math. Other assessments or college coursework can be accepted in place of Accuplacer. See an admissions counselor for details. You also must complete an application as well as submit a copy of official transcripts. Students must be at least 16 years old and have a driver's license.

### CERTIFICATIONS

- + OSHA-30
- + NCCER Plumbing Level I

## Build your best self.

TALK TO AN ADMISSIONS COUNSELOR TODAY!

785.670.2200

### CAREERS IN PLUMBING»

- + pipe/steamfitter
- + residential plumber
- + pipe layer
- + gas service technician
- + business owner
- + fire sprinkler installer
- + project manager
- + hydraulic plumber



## COURSE DESCRIPTIONS

### WORKPLACE SKILLS & SAFETY

Focuses on communication concepts, skills, behaviors and safety practices utilized in the workplace

### INTRODUCTION TO PLUMBING TECHNOLOGY

Covers the basic knowledge of what it takes to be a plumber; introduces students to the plumbing profession, plumbing safety, tools of the trade, plumbing drawing, plumbing fixtures and reading commercial drawings

### PLUMBING SYSTEMS, FIXTURES & FITTINGS

Covers plastic pipe and fittings, copper tube and fittings, cast-iron pipe and fittings, steel pipe and fittings, plumbing fixtures, drain, waste and vent (DWV) systems

### OSHA-10 GENERAL INDUSTRY CERTIFICATE

Provides an overview of the Occupational Safety and Health Administration Construction Training Topics; provides a broad awareness on recognizing and preventing hazards on a construction site

### TECHNICAL MATH

Introduces the mathematical skills and concepts necessary in technical work; students study the basics of algebra, geometry and their applications

### PLUMBING INSTALLATION

Provides a deeper look into the plumbing industry

### PLUMBING SYSTEMS & CODES

Assist students in the understanding and interpretation of the current International Plumbing Code (IPC) and International Fuel Gas Code (IFGC) and the minimum requirements for plumbing materials and design

### BASIC ELECTRICITY

Introduces electricity, basic electrical components and their characteristics, circuit schematics and basic analysis of series and parallel DC circuits

### PLUMBING WATER SYSTEMS & DISTRIBUTION

Covers basic topics pertaining to water pressure boosters, recirculation systems, indirect waste, special waster, private water supply well systems and private waste disposal systems

### PLUMBING INTERNSHIP & PROJECTS

Provides an opportunity for students to apply classroom knowledge to an actual work environment; the internship offers on-the-job experience under the supervision of industry professionals; student spends a minimum of 15 hours per week on the jobsite



## 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	\$760	\$4,560
All other fees	\$232	\$1,407
<b>TOTAL</b>	<b>\$992</b>	<b>\$6,017</b>

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

### ADDITIONAL CHARGES\*\* (Estimated)

	HIGH SCHOOL	ADULT
Tools/Books	\$896	\$896

### 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**