



# FACILITIES MAINTENANCE TECHNICIAN

## Facilities Maintenance Technician Certification

Repair appliances and help maintain buildings with basic electrical, plumbing, and carpentry skills

The curriculum of this course prepares students for OSHA certifications. The facilities maintenance technician program will help students learn a variety of skills used in the industry, including the following:

- Perform inspections, preventative maintenance, and repairs on properties
- Utilize skills for maintenance concerning carpentry, plumbing, electrical, HVAC systems, and swimming pools
- Inspect mechanical equipment and appliances to locate damage, defects, or wear and make appropriate repairs
- Finish properties through work on floors, walls, painting, window treatments, fans, and lighting

### Suggested educational levels:

- English literacy (reading, writing, speaking, and listening)
- Understanding of basic algebra

### Suggested physical abilities:

- Capable of lifting 30 pounds
- Capable of sustained activity for 5 hours at a time

### Class Hours:

- Morning: 7:50am - 10:40am Mon.- Fri.
- Afternoon: 12:05pm - 2:55pm Mon.- Fri.
- Program is 2 semesters in length, with start dates in Fall.

## Tuition and Credit Hour Calculation

### Semester 1

\$1,690.00 (Tuition)
+ \$180.00 (Credit Hour Fee)
<b>\$1,870.00</b>

### Semester 2

\$2,340.00 (Tuition)
+ \$230.00 (Credit Hour Fee)
<b>\$2,570.00</b>

*Based on Colorado Resident In-State Tuition*

## Estimated Program Costs (to be paid at Pickens's payment office)

### Tuition and Credit Hour Fees:

**Semester 1:** \$1,870.00

**Semester 2:** \$2,570.00

### Required On Campus Costs:

**Program Charges:** \$500.00 (each semester)

**Student ID:** \$10.00 (each year)

**CTSO Charge:** \$20.00 (each year)

**Safety Glasses:** \$5.00 (+ tax)

**Headband Earplugs:** \$5.00 (+ tax)

**OSHA Exam:** \$40.00 (1st semester)

### Estimated Total:

**Facilities Maintenance Technician Certificate:** \$5,520.00 (+tax)

## Additional Relevant Costs (estimated)

### Required Off Campus Costs:

**Shop Shirt:** \$17.00 - \$30.00 (+ tax)

**SkillsUSA Work Force Ready Assessment for Facilities Maintenance:** \$20.00

**Credits:**  
**31**

**Length:**  
**1 year**

**Cost:**  
**\$5,520**



Cost and information revised **March 2023**

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# FACILITIES MAINTENANCE TECHNICIAN

## Courses required for this certificate: Semester 1

### FMT 1201 Maintenance—Electricity

Focuses on electrical fundamentals as applied to residential and commercial facilities maintenance. Covers repair, service and maintenance of electrical systems and codes.

### OSH 1300 10HR OSHA Voluntary Compliance

Provides a 10-hour OSHA certification course for general industry and participants will review the current OSHA standards contained in 29 CFR 1910. Participants that complete the course will receive a certificate of completion from the United States Department of Labor, Occupational Safety and Health Administration. The course is taught by instructors certified by the Occupational Safety and Health Administration.

### CON 1012 Basic Repairs for Home or Apartment

Focuses on repair and maintenance of buildings. Covers preventative maintenance methods and skills.

### PLU 1001 Piping Skills

Focuses on the installation of common piping materials in plumbing and HVAC/R systems. Covers pipe math, terminology, common piping materials and application, figuring offsets and common pipe joints. Shop projects including pipe support and hanging, center to center measurements and a variety of pipe joining methods are explored.

## Courses required for this certificate: Semester 2

### FMT 1112 Swimming Pool Maintenance

Focuses on the fundamentals of pool operation and maintenance techniques for private and public swimming pools.

### FMT 2701 Appliance Technology I

Examines mechanical systems, water distribution, and electrical and gas systems of laundry equipment. This course includes service and repair on washers and dryers.

### FMT 2702 Appliance Technology II

Examines mechanical systems, water distribution, and electrical and gas components of kitchen equipment. This course covers service and repair on dishwashers, disposals, ranges and microwave ovens.

### FMT 2085 Independent Study

Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor.

## FACILITIES MAINTENANCE TECHNICIAN CERTIFICATE

**Certificate Total:** Clock Hours: 615 Credit Hours: 31

**Certificate Length:** 4 semesters

Additional costs may apply. All books, kits & supply costs are estimated. Cost, information, and classes are subject to change. Statistics present are based on the US Bureau of Labor Statistics. This certificate is eligible for Financial Aid. You may begin the Financial Aid process by completing your Free Application for Federal Aid (FAFSA) at [www.FAFSA.ed.gov](http://www.FAFSA.ed.gov). If you have further questions, please call (303)344-4910.