



Pipefitting and Plumbing Technology

This course is designed to introduce the student to various techniques used in the pipefitting plumbing trade: pipe fabrication and installation, blueprint reading and isometric drawings, measurement techniques, hand and power tools, cutting and prepping pipe , using a cutting torch, threading pipe, grooving , soldering ,brazing , solvent joining pipes and installing valves.

Program/Location	Length	Days	Time
Day Program/ Knoxville Campus	12 Months	Monday-Friday	8:00am—2:30 pm

Curriculum/Courses	Completion Award	Required Hours
First Trimester		
PFP 0001 Worker Characteristic	Pipefitter Helper	Certificate 432
PFP 1010 Technology Foundations	Pipefitter	Certificate 864
PFP 1020 NCCER Core Curriculum	Pipefitting and Plumbing	Diploma 1296
PFP 1030 NCCER Pipefitting Level 1	Technician	
PFP 1040 NCCER Pipefitting Level 2		
Second Trimester		
PFP 0002 Worker Characteristic	Typical Job Opportunities	
PFP 2010 NCCER Pipefitting Level 2	Entry Level Pipefitter	
PFP 2020 NCCER Pipefitting Level 3	Entry Level Plumber	
PFP 2030 Introduction to Plumbing Codes	Entry Level Sprinkler Fitter	
Third Trimester		
PFP 0003 Worker Characteristic		
PFP 3010 NCCER Pipefitting Level 3		
PFP 3020 NCCER Pipefitting Level 4		

Completion Rate for 2017= 91%
Placement Rate for 2017 = 100%

HOW TO APPLY

All Documents Must be Presented Together to Apply

⇒ Complete the **Free Application For Federal Student Aid (FAFSA)** online – the website is www.fafsa.ed.gov and our school code is 004025.

⇒ Complete **TCAT Knoxville Application for Enrollment** online at <https://apply.tbr.edu/?tcat=knoxville>



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Book, Tool, and Supply List

1st Trimester				
Tuition		Cost	Total	
Tuition*		\$ 1,169.00		
Technology Access Fee*		\$ 67.00		
Student Activity Fee*		\$ 10.00		
OSHA 10 Training		\$ 25.00		
TOTAL				\$1,271.00
Book				
Book	ISBN	Cost	Required	
Pipefitting Level 1, 3rd edition	9780132273107	\$ 90.00	x	
Pipe Fitter's & Pipe Welder's Handbook	9780028025001	\$ 30.00	x	
Pipefitters Blue Book	9780970832122	\$ 23.00	x	
Core Curriculum: Intro Craft Skills, Ed 5th	9780134130989	\$ 72.00	x	
Pipe Fabricators Blue Book	9780970832139	\$ 23.00	x	
TI-30xa Scientific Calculator	no isbn	\$ 13.00	x	
TOTAL				\$251.00
Tools				
Tools	Needed By	Cost	Required	
Tape Measure, 1 in x 25 ft, carbon steel	First day of class	\$ 15.00	x	
Magnetic Glo-View Torpedo Level 9 inch	First day of class	\$ 22.00	x	
Angle Gringer, 4 1/2 in, no load RPM 12000	First day of class	\$ 82.00	x	
Channel locks 12 in	First day of class	\$ 20.00	x	
Adjustable Wrench, 12 in	First day of class	\$ 31.00	x	
Wrap-a-Round Tape, Blade 6 ft x 3 7/8	First day of class	\$ 21.00	x	
2 Straight Pipe Wrench, Ductile Iron, 18 inch	First day of class	\$ 26.00	x	
32 oz Ball pein Hammer	First day of class	\$ 20.00	x	
Triple Flint Lighter, with/1 Flint Renewal	First day of class	\$ 8.00	x	
Combination Set, 12 in, 3 pc, Trisquare	First day of class	\$ 122.00	x	
Plumb Bob 8 oz	First day of class	\$ 12.00	x	
Soapstone Marker Set, 5 pc	First day of class	\$ 7.00	x	
6' Stick Ruler Folded	First day of class	\$ 12.00	x	
Hardhat	First day of class	\$ 7.00	x	
Safety Harness with Lanyard	First day of class	\$ 82.00	x	
TOTAL				\$487.00
Supplies				
Supplies	Needed By	Cost	Required	
Leather Drivers Gloves, Cowhide	First day of class	\$ 15.00	x	
Ear Plugs, 30db, Corded, Reg, 5 PR	First day of class	\$ 3.00	x	
Clear Uncoated Safety Glasses	First day of class	\$ 2.00	x	
Blue Jean Shirt long sleeve or green fire retardent jacket	First day of class	\$ 20.00	x	
Four Navy Blue Tshirts	First day of class	\$ 7.00	x	
Silver Metalic Sharpies	First day of class	\$ 7.00	x	
TOTAL				\$54.00

All Costs are Estimated and Subject to Change Without Notice Revised: 10/27/2017

*Denotes costs that can be covered by TN Promise and TN Reconnect

2nd Trimester

Tuition	Cost	Total
Tuition*	\$ 1,169.00	
Technology Access Fee*	\$ 67.00	
Student Activity Fee*	\$ 10.00	
TOTAL		\$1,246.00

Book	ISBN	Cost	Required
Pipefitting Level 2, 3rd edition	9780132273145	\$ 130.00	x
Pipefitting Level 3, 3rd edition	9780132272841	\$ 130.00	x
TOTAL			\$260.00

3rd Trimester

Tuition	Cost	Total
Tuition*	\$ 1,169.00	
Technology Access Fee*	\$ 67.00	
Student Activity Fee*	\$ 10.00	
TOTAL		\$1,246.00

Book	ISBN	Cost	Required
Pipefitting level 4, 3rd edition	9780136144298	\$ 130.00	x
TOTAL			\$130.00

Miscellaneous Cost	Cost	Required
Graduation Supplies	\$ 40.00	x
TOTAL		\$ 40.00
TOTAL PROGRAM COST		\$4,985.00

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