



<http://www.lcctc.edu>

Plumbing Technology/ Plumber

CIP – 46.0503

Instructor: Mr. Douglas Kless

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QUESTIONS?

Contact the School Counselors:

Theresa Tobias: ttobias@lcctc.edu

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Lebanon County Career and Technology Center

Mission Statement

The Mission of Lebanon County Career and Technology Center is to provide all students with quality career and technical education that prepares students for high skill, innovative, and in demand occupations to be career ready in a global economy.

Our Vision

The Vision of the Lebanon County Career and Technology Center is to lead the transformation and expansion of career and technical pathways, continuously improving and diversifying educational offerings, bridging the gap between evolving industries and skilled talent.

Plumbing Technology/Plumber

Program Description: Students interested in the plumbing profession can begin their training at the CTC in the Plumbing, and Heating program which is a Pennsylvania Builders Association accredited program and tailored after the Pennsylvania College of Technology's first year HVAC skills list .They will begin their technical training learning safe work practices, materials and tools used in the trade, and applied mathematical and scientific concepts needed to build a strong foundation for more advanced topics. Our students “learn by doing” by working on a variety of skills trainers and equipment designed to simulate actual field installations. Students also have the opportunity to earn industry recognized certifications such as the OSHA 10 construction safety certification and the EPA Section 608 Refrigerant Transition and Handling certification.

For those completing the CTC Plumbing, and Heating program craft apprenticeships are available, where students “earn while they learn” graduating debt-free from industry recognized programs. Post secondary articulation credits are also available to students who meet program SOAR agreement requirements. Other types of industry-related degree programs are possible for those choosing careers paths as sales engineers, designers, and similar professions requiring advanced degrees.

Two Year Half-Day Program

Year One: 8:00am – 10:25am (36 weeks – 3 credits)

Year Two: 11:25am – 2:00pm (36 weeks – 3 credits)

Program Costs:

Students are required to purchase the following at an estimated cost of \$400.

- Uniforms
- Boots
- 3 Ring Binder (1”)
- Tool kit purchased through the school
- Pens Pencils

Job Titles – Career Pathways (Find online at <http://www.onetonline.org>) :

- 47-2011.00 Boilermakers
- 49-9012.00 Control and Valve Installers and Repairers, Except Mechanical Door
- 47-3015.00 Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters
- 47-4071.00 Septic Tank Servicers and Sewer Pipe Cleaners

CTC Knowledge Transfers to College Credits at:

- Visit: www.collegetransfer.net select search and SOAR credits at the bottom.
- Delaware County Community College- Twelve (12) credits are applied to the POS: CIP 46.0503 Plumbing Technology, Certificate of Competency.
 - TCS 100 Construction Blueprint Reading
 - TCS 141 Construction First Aid/Safety
 - PLV 110 Intro to Plumbing
 - PLB 111 Faucets & Fixture Systems
- Westmoreland County Community College-Aligns ten (10) credits to CIP 46.0503 Plumbing, Associate of Applied Science (AAS) Degree Program.
 - HAC 105 Blueprint Reading for HVAC Technicians
 - CMT 121 Contracts for the Tradesman
 - PMB 101 Plumbing I
 - PMB 121 Estimating for the Plumber
- ABC Keystone Registered Apprenticeship upon commencement of the LCCTC Masonry program and meeting qualifications:
 - Average grade of 80% or higher
 - Maintain a 95% attendance record (except for extenuating circumstances)
 - Score proficient on the task list

Certifications Available

NOCTI

National Occupational Competency Testing Institute (NOCTI) provides industry-based credentials and partner industry certifications for students enrolled in career and technical education programs.

PDE and Local Credentials and Certifications

CareerSafe OSHA construction

American Ladder Institute

EPA 608 Mainstream Engineering

Gastite certification

Trac pipe Certification

About Your Instructor

Instructor Name:	Mr. Douglas Kless
Hire Year:	2021
Email Address:	Dkless@lcctc.edu

Biography

I currently reside in Lebanon, Pennsylvania and began my career of Plumbing at G.F.Bowman in Cleona. I am a proud graduate of the LCCTC Plumbing program.

Education

Penn State University – CTE I Certification

Work Experience

G.F.Bowman- Plumber/HVAC

Aradient- Building chillers for printing presses

Stoneridge Retirement – Corporate Plumber/ HVAC Technician

Plumbing Behavior and Safety Procedures

1. You must observe All OSHA standards
2. Students will complete the safety program leading to certification.
3. No outside electronic devices will be allowed.
4. In case of an injury, regardless of severity, it must be reported to the instructor

Tools & Equipment (major focus tools/equipment)

The following is a list of tools and equipment that students will receive instruction on:

- Power tools associated with the program
- Basic Hand Tools
- Power Threaders

Grading Scale

The LCCTC grading system incorporates three components: competencies (skill— 33.3%), career skills (work ethic— 33.3%), and theory (knowledge—33.3%). Each academic class implements a performance evaluation/student grading system that incorporates career skills (work ethic), and theory (knowledge). Each component is weighted equally.

Please refer to the Student Handbook, available on the school website at <http://www.lcctc.edu> for a complete list of grading components.

Progress Reports

Students will receive a “Progress Report” each mid-quarter through the mail for any student with a 70% or less, and a “Report Card” will be given to each student at the end of each quarter. It is the student's responsibility to share this information with their parents/guardians. Both reports will utilize student performance data obtained from competencies, career skills, and theory grades.

Please Note: 40% is the minimum grade for the first 3 marking periods. However, students with excessive absences may be assigned an earned grade with administrative approval. There is no minimum grade for the 4th marking period.