

PLUMBING TECHNOLOGY, CERTIFICATE OF COMPETENCY (PLBC)

The Plumbing Technology Certificate Program prepares graduates to enter the plumbing field and construction industry. Students develop skills in all types of plumbing installation and repair work used in residential, institutional and commercial applications. Graduates also gain required industry knowledge and experience prior to entering a professional apprenticeship program.

In compliance with Title 34 Code of Federal Regulations 668.6 of the Higher Education Act of 2008, click here (<http://extranet.dccc.edu/gainful-employment/PLBC/Gedt.html>) to obtain information about tuition and fees, and other information associated with Delaware County Community College Gainful Employment Programs.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Demonstrate an understanding of the history and foundations of the plumbing trade.
- Demonstrate proficiency in designing plumbing systems.
- Model the stages of installations for faucets, fixtures, appliances and plumbing systems.
- Apply the appropriate techniques to install, repair and maintain pipes in accordance with local and international plumbing codes.
- Design and install water and waste systems.
- Demonstrate knowledge of hot water heating principles.
- Use tools and equipment required to complete general plumbing tasks.
- Demonstrate an understanding of public/private water and sewage disposal systems.
- Employ occupational health and safety principles and practices to meet the OSHA requirements for the construction industry.
- Demonstrate communication, quantitative reasoning and problem solving skills needed in industry.

Curriculum

The College will award a certificate of proficiency to students who complete 30 credits of an approved career program. These credits will not normally include physical education, developmental, basic and/or continuing education courses and will usually consist of 24 credits in the career specialty and six credits in general education. At least 50 percent of the credits must be earned at Delaware County Community College. The student must have a cumulative GPA of 2.0 or higher. At least six credit hours must be in courses that are awarded grade points.

HVA 104	Practical Problems in Mathematics for HVAC&R Technicians	3
	Hours	14
Second Semester		
PLB 112	Plumbing Residential Service	2
PLB 210	Drains and Sewers	3
HVA 206	Industrial Piping	2
PLB 211	Advanced Plumbing	2
PLB 212	Installation of Plumbing Related Fixtures	2
PLB 213	Principles of Prod Hot Water	3
	Hours	14
	Total Hours	28

Course	Title	Hours
First Semester		
PLB 110	Introduction to Plumbing	3
TCS 141	Construction First Aid/Safety	3
PLB 111	Faucets & Fixture Systems	3
HVA 106	Basic Piping for Contractors	2