

Plumbing Technology Certificate

The Plumbing Technology certificate program will provide students with an opportunity to develop marketable skills in the plumbing career field that is very rewarding. The program is designed to offer students an opportunity to acquire the fundamental skills and knowledge used in the plumbing trade.

The certificate prepares graduates to enter the plumbing industry. The core principles and concepts of the plumbing systems are cornerstones of each course. Classroom instruction and learning theories lead to individual and team building projects. Completion of the plumbing certificate program provides students with the educational background and the experiences needed to enter the plumbing career field.

(Major Code 3200; CIP Code 46.0503)

Plumbing Technology Program web page (<https://www.jccc.edu/academics/credit/plumbing/>)

Program Learning Outcomes

Johnson County Community College (JCCC) is committed to offering high-quality affordable programs that focus on developing knowledge and skills conducive to life-long learning. Both the General Education Student Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/learning-outcomes.html>) and Institutional Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/institutional-learning-outcomes.html>) convey JCCC's approach to programmatic outcomes. Additionally, students who successfully complete the Plumbing Technology Certificate from JCCC will be able to:

- Install piping systems using contemporary technologies.
- Install gas appliances in compliance with the International Fuel Gas Code (IFGC).
- Install venting for natural draft and induced motor appliances by using the International Fuel Gas Code (IFGC) venting tables.
- Install drain, waste and venting (DWV), plumbing fixtures, and water distribution lines using the International Plumbing Code (IPC).
- Maintain current knowledge of the International Plumbing Code (IPC).

Certificate Requirements

First Semester

Code	Title	Hours
CMGT 100	Industrial Safety/OSHA-30	3
COMS 155	Workplace Skills	1
PLUM 110	Introduction to Plumbing Systems	3
PLUM 125	Residential Plumbing	3
PLUM 130	Print Reading and Estimating	3
PLUM 140	Backflow Preventers	2

Total Hours **15**

Second Semester

Code	Title	Hours
PLUM 210	DWV and Water Distribution*	3
PLUM 240	Installation, Maintenance and Repair*	3
PLUM 250	Commercial Plumbing*	3
PLUM 275	Plumbing Code*	3
PLUM 280	Plumbing Internship*	3

Total Hours **15**

Total Program Hours: 30

* This course has registration requirements.