

PLUMBING



Why Reese Center Plumbing?

- Program combines plumbing theory with hands-on learning experiences in the classroom and shop
- Instructor has over 15 years experience in industry, installing new plumbing, performing service and repairs, and managing crews
- Students learn plumbing content, as well as accountability, teamwork, time management, and professionalism
- Industry certification opportunities: Plumbing Tech Level I



ARCHITECTURE AND CONSTRUCTION PROGRAM

Plumbing and Pipefitting Pathway

#	Course	Credit	Grade	Location
1	Principles of Construction <i>Prerequisite: Concurrent enrollment in Plumbing Technology I</i>	1.0	11-12	Reese Center*
2	Plumbing Technology I <i>Prerequisite: Concurrent enrollment in Principles of Construction</i>	1.0	11-12	Reese Center*
3	Plumbing Technology II (Advanced CTE Course) <i>Prerequisite: Principles of Construction and Plumbing Technology I</i>	2.0	12	Reese Center*

* Student must apply, be accepted, and commit to Plumbing program in order to take courses at Reese Center.

In **Principles of Construction**, students learn the fundamentals of the construction and skilled craft industry. Through theory and hands-on experience, students gain knowledge of construction safety, construction mathematics, and the practical application of hand and power tools. This course also develops a student's interpretation and understanding of construction drawings.

In **Plumbing Technology I**, students gain the understanding needed to enter the industry as a plumbing apprentice, building maintenance technician, or in preparation for a postsecondary degree. Learned topics include plumbing code, power and hand tool use, plumbing drawing analysis, and the application of basic plumbing math. Students identify, fit, and use various piping.

In **Plumbing Technology II**, students acquire knowledge and skills in plumbing codes, workplace basics, and employer/ customer expectations, including tool and jobsite safety, advanced plumbing mathematics, commercial drawings, basic electricity, hanger installation, supports and structural penetrations, roof drains, fixture installation, valves and faucets, and oxy-fuel safety. Students also learn setup, cutting, brazing, welding, and water system sizing; gas, drain, waste, and vent installation testing; and water heater installation.

