



Personality + Career

Students in SCC plumbing programs are eager to help, flexible, and are good problem solvers. They have good interpersonal skills and can communicate with diverse populations. Additionally, they enjoy researching a problem to determine a solution, can sequentially and critically think through an issue, and are detail oriented and neat in their work. Manual dexterity and interest in working both indoors and outdoors are important.

Program	Credential	What do students learn in the program?	What do students earn?	Career Opportunities	Are graduates prepared for/to complete exams for specific credentials/licensing/certifications at the end of the program?	Required Tools, Supplies, and Uniforms
Plumbing Technology	Diploma	Students study water supply systems, water sources, waste and sewage disposal systems with reference to Uniform Plumbing Code. Students learn to read blueprints; measure, cut, solder, braze, and thread pipe; install and troubleshoot various plumbing fixtures in both residential and commercial settings. Students also learn basic welding skills.	\$22.00 per hour; \$45,760 annually	Plumbing Apprentice Journeyman Master	Students receive OSHA 30 Certificate after passing exam. Program completion counts toward one year of required experience for apprentice license.	Tools are required. See information provided. No uniform is required for this program.
Plumbing, Heating, and Air Conditioning Technology	Associate of Applied Science	In addition to the skills noted above, students study basic electricity concepts for HVAC/R trades and refrigeration and heat pump systems. Students will also learn basic furnace and central air conditioning circuits, installation, operation sequencing, maintenance, and safety requirements. Students also complete a paid cooperative experience, giving them the opportunity to apply their skills and knowledge on live jobs with an HVAC/R employer.	(salary listed is an average for all credentials)	HVAC Installer Apprentice HVAC Service Tech Plumbing Apprentice	Students receive OSHA 30 Certificate after passing exam. Program completion counts toward one year of required experience for apprentice license.	Tools are required. See information provided. No uniform is required for this program.



» Your Next Steps to Choose SCC

- Schedule a Campus Visit - southeast.edu/visit
- Explore career options with an Admissions Counselor - southeast.edu/admissionsadvising
- Apply - southeast.edu/applynow

» Paying for SCC

- Free Application for Federal Student Aid (FAFSA) - studentaid.gov/h/apply-for-aid/afsa
- Scholarships - southeast.edu/scholarships
- Payment Plan - mycollegepaymentplan.com/southeast
- Veteran Education Benefits - southeast.edu/veterans-services
- GAP Assistance Program - southeast.edu/gap
- Children of State Teammate Tuition Reimbursement Program - southeast.edu/children-of-state-teammate-tuition-reimbursement-program



Scan this code to find out more about Plumbing

Scan this code to find out more about Plumbing, Heating and Air Conditioning



Contact Admissions to get started!

402-437-2600, 800-642-4075 ext. 2600

✉ admissions@southeast.edu



2024-2025 / » southeast.edu

Plumbing Programs

- Plumbing Technology

- Plumbing, Heating, and Air Conditioning Technology



Our Plumbing programs will prepare you to design, install and repair both residential and commercial plumbing systems and provide you with the fundamental principles involved in heating and cooling systems.

Hands-on classes will teach you plumbing codes and theory, safety procedures and the proper use of tools, how to use industry test equipment, how to read blueprints and access the layouts of the plumbing system and water supply, and work with basic electrical components related to heating and air conditioning systems.

Program Contact Information

Mike Roth, Program Chair

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The SCC Experience

- » SCC’s plumbing programs are two of only a few in the area and were created as a response to industry demand. SCC works closely with industry partners and local employers to create curriculum and practical training experiences to prepare students to enter the workforce with skills to make an immediate difference.
- » Plumbing students gain significant hands-on experience while in the program to ensure they are confident in their skills. Students first learn in a lab environment that mimics residential kitchens and bathrooms. Then they have the opportunity to work on a variety of heating and cooling systems before working alongside other SCC programs on the student-built house. Plumbing students plumb the house prior to its sale. Associate of Applied Science students will complete a 240-hour paid cooperative experience giving them real on-the-job experience prior to graduating.
- » Graduates of the program earn one year of the required experience toward toward apprentice. Four years of apprenticeship are required before testing for journeyman. This value-added benefit gives students an advantage as their career is fast-tracked toward advancement.
- » SCC’s plumbing faculty have years of industry experience and training as well as key employer connections. Students benefit from these connections as they have access to a variety of cooperative opportunities to equip them with the experiences to meet their goals as well as insight for future jobs.



TOOLS

Many tools are provided and students are only asked to purchase minimum tools in their first term, giving them time to explore and learn. Students then add to tools in future semesters. Tools are an investment in a student’s career and SCC works with a variety of tool vendors to give students options. Many vendors offer students a significant discount. Students can also purchase tools from other vendors not associated with the College. Program faculty and advisors will provide students with specific information related to tools prior to the start of their first semester.

During the first week of each semester, tool vendors come to campus and provide students with options to buy single tools or tool sets based on program needs. Faculty will be available to help students make selections based on course and program needs.

Plumbing -Required Basic Tool List

- | | | | |
|------------------------------------|-----------|------------|-----------------------------------------------------------------------|
| • Tubing Cutter | Milwaukee | 48-22-4252 | Things not in the tool kit, but can be purchased at the Campus Store: |
| • Small Tubing Cutter | Milwaukee | 48-22-4250 | |
| • Deburring Tool | Milwaukee | 304-06 | |
| • 25’ Measuring Tape | Milwaukee | 48-22-9925 | |
| • (2) 12” Adjustable Wrench | Milwaukee | 86920760 | |
| • (2) Irwin V Jaw Pliers | Irwin | 2078112 | • Safety glasses
• Gloves
• Hard hat |
| • 8” Slip Joint Pliers | | | |
| • 9” Irwin Plumber’s Torpedo Level | Irwin | 1794153 | |
| • 11-in-1 Klein Screw Driver | Klein | 48-22-2101 | |
| • 20oz Straight Claw Hammer | | | |
| • 18 or 20 inch Tool Bag | | | |

Related Programs at SCC:

- **Building Construction Technology**
- **Concrete Construction Technician**
- **Design & Drafting Technology (Architectural Design focus)**
- **Electrical/Electromechanical Technology**
- **Electrician Construction (IBEW Apprentice Option)**
- **Energy Generation Operations**
- **Heating, Ventilation, Air Conditioning & Refrigeration Technology**
- **Land Surveying/GIS/Civil Engineering Technology**
- **Technical Skills Instructor**



Program	Credential	Location	Credit Hours	Tuition/Fees*	Books/ Fees/ Supplies	Tools	Total Cost*	Starting Term(s)	Number of Semesters Required - Full Time	Is Summer Term Required for Full Time?	Online Option	Can the Program be Completed Entirely Online?	Part-Time Option	Number of Semesters Required - Part Time	Is a summer term required for Part Time?	Typical Class Schedule
Plumbing Technology	Diploma	Milford	30	R- \$3,690 NR- \$4,320	\$1,275	\$500	R- \$5,465 NR- \$6,095	Fall	2	No	Lecture component is online and labs are offered in person.	No	Once first-semester prerequisite coursework is completed, students can complete the remaining program at their own pace.	Dependent on student's pace.	No	Monday – Friday, 8 am – 11 am. Lectures are online, this allows the opportunity to work with a plumbing company in the afternoons while earning your diploma.
Plumbing, Heating, and Air Conditioning	Associate of Applied Science	Milford	60	R- \$7,380 NR- \$8,640	\$1,885	\$2,335	R- \$11,600 NR- \$12,860	Fall	4	Yes, Cooperative Experience	No	No	Once first-semester prerequisite coursework is completed, students can complete the remaining program at their own pace.	Dependent on student's pace.	No	Monday - Thursday, 8 am - 4 pm Friday, 8 am - Noon

*R=Resident, NR=Non-resident. Costs listed are estimates and are subject to change based on the market price of books, supplies, tools, uniforms, etc. Estimated costs also include tuition and fees. Additionally, days/times of week for class, lab, clinical/practicum are subject to change based on curriculum, facilities, instructor, and site availability. Actual program schedules will be provided prior to each enrolled term.