

PLUMBING & ENERGY SERVICES

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

The Plumbing and Energy Services program is designed to prepare students for technician level positions in the rapidly growing field of installing, maintaining, and troubleshooting high efficiency plumbing, heating, ventilation, and air conditioning. Graduates will work on systems that control water, temperature, humidity, and air quality of enclosed spaces.

KVCC's Plumbing and Energy Services program is the only program of its kind in the State of Maine to offer plumbing, HVAC, solid fuel, geothermal, and heat pumps, in one comprehensive program.

"I always knew I wanted to go into heating. What I have learned at KVCC is that the world is changing and there are newer ways to heat than the old oil boilers."

"Some people think that solar thermal panels are really impractical here in New England. While studying heating and cooling at KVCC, I found out just how untrue this is. It is exciting to be on the cutting edge of a new industry that is taking over."



Learn to install, maintain, and troubleshoot modern heating, ventilating, and cooling systems



What Plumbing and Energy Services graduates do:

- JIT Plumber
- Resource conservation manager
- Energy management technician
- Journeyman oil burner technician
- HVAC technician

Career Opportunities:

- Educational facilities
- Small businesses
- Plumbing and heating firms
- Hospital facilities
- Manufacturing companies
- Industry plants

For further questions about this program, please contact:
est@kvcc.me.edu or go to: www.kvcc.me.edu/est

PLUMBING AND ENERGY SERVICES
DEPARTMENT CHAIR: MICHAEL DAY, 207-453-5817

Associate in Applied Science Degree

<i>First Semester</i>			
BPT125*	Construction Print Reading	3	ETL107* Electrical Principles for HVAC 4
MAT114	Technical Math	3	HAC106* Heat Pumps and Air Conditioning 3
PLB101*	Plumbing Fundamentals	6	HAC200* Introduction to Natural Gas and Propane 1
COM104	Introduction to Communication OR		HAC201* Heating System Fundamentals 6
COM105	Interpersonal Communication	3	MAT214 Tech Math II 3
<i>Second Semester</i>			
ENG108	Technical Writing	3	ETL108* HVAC Electronics and Controls 3
PLB201*	Advanced Plumbing Applications	6	HAC202* Advanced Heating Applications 6
PLB210*	Plumbing Codes	3	HAC205* Propane and Natural Gas 3
_____	Social Science Elective	3	_____ Humanities Elective 3
			Total Credits 62

Third Semester

Plumbing Certificate

<i>First Semester</i>				<i>Second Semester</i>			
BPT125*	Construction Print Reading	3		ENG108	Technical Writing	3	
MAT114	Technical Math	3		PLB201*	Advanced Plumbing Applications	6	
PLB101*	Plumbing Fundamentals	6		PLB210*	Plumbing Codes	3	
							Total Credits 24

Energy Services Certificate

<i>First Semester</i>				<i>Second Semester</i>			
ETL107*	Electrical Principles for HVAC	4		ETL108*	HVAC Electronics and Controls	3	
HAC200*	Introduction to Natural Gas and Propane	1		HAC106*	Heat Pumps and Air Conditioning	3	
HAC201*	Heating System Fundamentals	6		HAC202*	Advanced Heating Applications	6	
MAT114	Tech Math I	3		HAC205*	Propane and Natural Gas	3	
							Total Credits 29

CRITERIA FOR GRADUATION

Students must complete 62 credits in the Plumbing and Energy Services program, 24 credits in the Plumbing certificate, or 33 credits in the Energy Services certificate and achieve a minimum grade of "C" in designated common and program core courses (*). Students must attain a final GPA of 2.0 or higher.