



## Heating, Air Conditioning, and Refrigeration - Heating & Plumbing Option

### Associate in Applied Science

Four-Semester Pathway - Academic Year 2019-2020

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS-100	Freshman Interest Group				1	
MATH-140	College Algebra		MATH-050		3	
MATH-146	Introduction to Trigonometry		MATH-050	MATH-140	1	
HVPI-105	Plumbing Application and Methods**	Offered Fall semester only	HVAC Program Acceptance	MATH-050	7	
HVPL-100	Blueprint Reading and Sketching		HVAC Program Acceptance		3	
CONS-160	Introduction to the Use of leveling Instruments				1	
OSHA-120	Construction Safety				1	
<b>Semester 2</b>						
ELEC-100	Basic Electrical Principles for HVAC		HVAC Program Acceptance		3	
	Social Science Elective	PSYC-100 Intro to Psychology <b>OR</b> SOCL-100 Intro to Sociology	See course prerequisites	See course corequisites	3	
ENGL-100	English Composition		ENGL-090, ENGL-095		3	
HVPL-205	Plumbing Application and Code		HVLP-105		7	
<b>Semester 3</b>						
ENGL-115	Introduction to Literature		ENGL-100		3	
HVAC-115	Residential Heating Systems	Offered Fall semester only	HVAC Program Acceptance	MATH-050	7	
PHYS-150	College Physics I with Lab		MATH-140		4	
	Fine Arts or Humanities Elective		See course prerequisites	See course corequisites	3	
<b>Semester 4</b>						
HVAC-215	System Design and Residential Heating		ELEC-100, HVAC-120	ELEC-103	7	
WELD-100	Introduction to Welding				3	
PHYS-155	College Physics II with Lab		PHYS-150		4	

Note that HVPL 105, 100, and 205 constitute the plumbing sequence and could be taken year 2 by substituting the heating sequence ELEC 103, HVAC 115, and HVAC 230 in the first year of the program

## Heating & Plumbing Option

<b>General Education Requirements</b>					
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>PREREQUISITES</b>	<b>COREQUISITES</b>	<b>CREDITS</b>	<b>MET</b>
ENGL-100	English Composition	ENGL-090, ENGL-095		3	
ENGL-115	Introduction to Literature	ENGL-100		3	
FIGS-100	Freshman Interest Group Elective			1	
MATH-140	College Algebra	MATH-050		3	
MATH-146	Introduction to Trigonometry	MATH-050	MATH-140	1	
PHYS-150	College Physics I with Lab	MATH-140		4	
PHYS-155	College Physics II with Lab	PHYS-150		4	
	Fine Arts or Humanities Elective			3	
	Social Science Elective			3	

<b>Major Required Courses</b>					
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>PREREQUISITES</b>	<b>COREQUISITES</b>	<b>CREDITS</b>	<b>MET</b>
CONS-160	Use of Leveling Instruments			1	
ELEC-100	Basic Electrical Principles for HVAC	HVAC program acceptance		3	
HVAC-115	Residential Heating Systems	HVAC program acceptance	MATH-050	7	
HVAC-215	System Design & Industrial Heating	ELEC-100, HVAC-115	ELEC-103	7	
HVPL-100	Blueprint Reading and Sketching	HVAC program acceptance	MATH-050	3	
HVPL-105	Plumbing Application and Methods	HVAC program acceptance		7	
HVPL-205	Plumbing Application and Code	HVPL-105		7	
OSHA-120	Construction Safety			1	
WELD-100	Introduction to Welding			3	