



Program of Study
Career Field: Industrial, Manufacturing, and Engineering Systems
Career Cluster: Architecture and Construction
Career Pathway: Construction



Southeast Community College

DEGREE:
 Heating, Ventilation, Air Conditioning & Refrigeration Technology
<http://www.southeast.edu/programs/HVACR/default.aspx>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages & Cultures Physical Education	Intro to the Built Environment <i>Plus two from the following list:</i> Principles of Construction Applications in Construction Electricity in the Construction Industry Electricity - Comprehensive	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS <i>Community Activities:</i> Do home repair projects, Learn about history of the buildings in your community, Work with a contractor, Part-time employment available within this career cluster, Internships available within this career cluster			
	10	English/Language Arts II	Geometry	Biology	World History	Health Education Information Technology Applications IEntrepreneurship					
	11	English/Language Arts III	Algebra II	Chemistry	American History	CAD (Computer Aided Drafting) Construction Drafting					
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics	Housing and Home Furnishings Manufacturing/Woodworking					
SOUTHEAST COMMUNITY COLLEGE		COMMUNICATIONS	MATH/SCIENCE	SOCIAL SCI/HUMANITIES	COMPUTER TECHNOLOGY	FOCUS COURSES					
	13 and 14	Public Speaking	Business Mathematics	Personal Finance	Microsoft Applications	Electrical Fundamentals	Refrigeration Theory I & Lab	Piping Practices	Plumbing Theory/Print Reading	Troubleshooting Techniques & Lab	Electrical Principles & Practices
		Written Communications	Descriptive Physics	Introduction to Humanities	Computer Literacy	Plumbing Code	Refrigeration Theory II & Lab	Hydronic Theory	Residential HVAC Systems & Controls I	Manual J/Manual D	Sheet Metal Lab
				Introduction to Philosophy	Computer Essentials	Refrigeration Theory III	Heat Pump Principles	Commercial HVAC Fundamentals & Practices II	HVAC Welding Principles	Mechanical Code	Commercial HVAC Fundamentals & Practices I
						EPA Refrigerant Certification	Residential Install Lab	Residential HVAC Systems & Controls II	Cooperative Education	Post Cooperative Education	HVAC/R Lab