



	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	Physical Education	HIGH SCHOOL ACADEMIC & CAREER/TECHNICAL ELECTIVES		
SECONDARY	9	Advanced or Honors English - 9th Grade	Advanced or Honors Algebra 1 and Geometry	Advanced or Honors Biology	Advanced or Honors World History	PE	Foreign Language	Welding 1	Electricity 1
	10	Advanced or Honors English - 10th Grade	Advanced or honors Geometry or higher math	Advanced or Honors Chemistry	Advanced, Honors or AP Global Economics and American Government	Health / Drivers Ed.	Foreign Language	Welding 2	Electricity 2
	11	Advanced or Honors English - 11th Grade or AP English Language	Algebra 2 and Trigonometry or Honors Precalculus	Advanced or Honors Physics or AP Science	Advanced Honors, or AP U.S. History	PE		Welding 3	Electricity 3
	12	Advanced or English - 12th Grade or AP English Literature	Standard or Honors Pre-Calculus or AP Calculus			PE	ECC Dual-Credit Courses Fall: HAC 101, HAC 114, and HAC 119 Spring: HAC 102 and HAC 103		

Entering college freshmen must show English, reading, and mathematics competency. College Ready English, reading, and mathematics competency levels at Elgin Community College: Enrolling students must show ACT English subtest score of 20, a reading subtest score of 18, and a mathematics subtest score of 23, or they must receive an appropriate test score on ECC's placement tests.

	ECC Required and Elective Heating, Ventilation, Air Conditioning & Refrigeration AAS Degree Courses					Things to Consider	
POSTSECONDARY	Year 1 1st Semester	HAC 101: Air Conditioning & Refrigeration I <u>and</u> HAC 103: Basic Heating Gas/Oil	HAC 115: Blueprint Reading for Heating & Air Conditioning	HAC 114: Basic Electricity and HVACR Controls	HAC 119: Refrigerant Recovery Certification	IMT 107: Technical Math I (or MTH 107)	<p><i>This Program of Study document provides general college and career course suggestions. Students should work with high school counselors and faculty and college staff to make course selections.</i></p> <p>Occupations Related to This Program of Study</p> <ul style="list-style-type: none"> HVAC Installer HVAC Mechanic HVAC Specialist HVAC Service Technician HVAC Technician Air Conditioning Technician Chiller Assembly Condensing Unit/Heat Exchanger Assembly Test Board Technician Sheet Metal
	Year 1 2nd Semester	HAC102: Air Conditioning & Refrigeration II	HAC 205: Commercial Air Conditioning	HAC 109: Basic Sheet Metal	HAC 110: Heat Pumps & Electrical Heat	HAC 104: HVACR Controls <u>and</u> Welding 101	
	Year 1 Summer					WEL 101: Welding I	
	Year 2 1st Semester	HAC 106: Adv. Heating Hydronics/Steam	HAC 111: Commercial Sheet Metal	HAC 208: Load Calculations & Duct System Design	Required Social/Behavioral Science course	Required Communications course	
	Year 2 2nd Semester	HAC 207: Commercial Refrigeration <u>and</u> HAC 212: Pneumatic Controls	HAC 220: HVACR National Certification	Industrial Technology Elective	Liberal Education Requirement	Required Communications course	

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 COLLEGE CAREER READINESS FUNDING
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Basic Vocational Specialist in Heating AC & Refrigeration, Level I: HAC 114, HAC 101, HAC 103, HAC 102, HAC 119;
Level 2: HAC 115, HAC 114, HAC 101, HAC 103, HAC 109; **Vocational Specialist in Heating AC & Refrigeration Level III:** HAC 115, HAC 114, HAC 101, HAC 103, HAC 109, HAC 119, HAC 102, HAC 104, HAC 205, HAC 110, WEL 101, HAC 111, HAC 220 (HVACR National Certification); **Vocational Specialist in Sheet Metal Mechanics:** HAC 114, HAC 109, WEL 101, HAC 115, HAC 116, HAC 104, HAC 111, HAC 117, HAC 208, HAC 118, WEL 102

Credit-Based Transition Programs: "AC" = Articulated Credit (High school courses articulated for credit with ECC courses.)

Credit-Based Transition Programs: Dual Credit (Elgin Community College courses available to high school seniors.)

Mandatory Assessments, Advising, and Additional Preparation