



HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION (HVACR)

Program of Study

Career Cluster: Architecture and Construction

Career Pathway: Maintenance/Operations

This Academic Plan is based upon the state requirements needed for a College and Career Ready (CCR) Diploma.

Academic course names may vary among school districts.

Grade	1 st Course	2 nd Course	3 rd Course	4 th Course	5 th Course	6 th Course (CTE)
9th Grade	English I	Algebra I	Biology	Health / Computer Literacy	Physical Education	Heating, Ventilation, Air Conditioning, and Refrigeration I
10th Grade	English II	Geometry	Chemistry or Geoscience	World History	Physical Education	Heating, Ventilation, Air Conditioning, and Refrigeration II ³
11th Grade	English III	Algebra II	Science Course or Elective ¹	US History	Foreign Language ² or Elective ¹	Heating, Ventilation, Air Conditioning, and Refrigeration III
12th Grade	English IV	Senior Level Math Course	Elective ¹	US Government	Foreign Language ² or Elective ¹	Heating, Ventilation, Air Conditioning, and Refrigeration Advanced Studies

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

Career and Technical Student Organizations	Work-Based Learning	CTE Assessments
SkillsUSA	Job Shadowing / Internship / Work Experience / Career Days / Career Fairs / Field Trips / Guest Speakers	1) End of Program Technical Assessment for Heating, Ventilation, Air Conditioning, and Refrigeration 2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

Postsecondary Options	State Articulation Agreements for CTE College Credit
College of Southern Nevada / Great Basin College / Nevada State College / Truckee Meadows Community College / University of Nevada, Las Vegas / University of Nevada, Reno / Western Nevada College	Secondary Program Requirements Student must earn the state Certificate of Skill Attainment in Heating, Ventilation, Air Conditioning, and Refrigeration. Postsecondary Credit Options To be determined

High Wage - High Skill - High Demand Careers	State Recognized Industry Certifications
Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) Mechanic / Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) Installer	Refer to the Governor's Office of Workforce Innovation's Nevada Eligible Industry Credentialing List