

**Cluster – Architecture and Construction**  
**Pathway –Maintenance and Operations**  
**Program of Study – HVACR**

**Sample Plan of Study**

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Smart Core</b>	English I or Pre-AP	English II or Pre-AP	English III or AP	English IV or AP
	Algebra I or Geometry	Geometry or Algebra II	Algebra II or Trigonometry Pre- AP Calculus	AP Calculus College Algebra AP Statistics
	Physical Science	Biology Pre-AP Chemistry Applied Biology/Chemistry	Chemistry Physics Principles of Technology	AP Biology AP Chemistry AP Physics Earth & Space Science
	Civics	World History	US History	Economics
<b>Foundation Courses</b> Career Orientation Computer Technology Keyboarding  <b>Graduation Requirements</b> English 4 units Math 4 units Science 3 units Social Studies 3 units Fine Arts ½ unit Health and Safety ½ unit Oral Communication ½ unit Physical Education ½ unit Career Focus 6 units  <b>Arkansas Challenge</b> Foreign Language 2 units	<b>Program of Study Support Courses</b> EAST/Workforce Technology Internship Workplace Readiness  <b>Support Courses</b> Foreign Language Word Processing or Computer Business Applications (CBA)  <b>Extended Learning Opportunities</b> SkillsUSA Job Shadowing	<b>HVACR Core Courses</b> HVACR I HVACR II  <b>HVACR Electives</b> HVACR Lab  <b>HVACR Industry Certifications</b> HVACR Excellence AHRI  <b>Related Programs of Study</b> Electronics		
<b>Postsecondary Opportunities</b>				
<b>Major</b>	<b>Postsecondary School</b>		<b>Certificate/Degree Program</b>	
HVACR	ANC Blytheville ATU Russellville ASU Beebe, ASU Newport NPCC Hot Springs NAC Harrison OTC Malvern PCCUA Helena PTC North Little Rock SEAC Pine Bluff UACC Hope		Certificate	
Air Conditioning, Heating & Refrigeration Technology	UACC Morrilton PCCUA Helena		Associate's	
Energy Control Technology	ASU Newport		Certificate; Associate's	
Heating, Air Conditioning & Refrigeration Technology	PTC North Little Rock		Associate's	
HVAC - Internship	Arkansas Construction Education Found.		USDOL Certificate of Completion	
HVAC - Internship	Black River HVAC-Paragould		USDOL Certificate of Completion	
HVAC - Internship	Greater Little Rock Area JAC		USDOL Certificate of Completion	
HVAC - Internship	North Central HVAC Apprenticeship		USDOL Certificate of Completion	
Air Conditioning, Heating & Repair	PCCUA Helena, PTC North Little Rock,		Certificate	

	SACC El Dorado, SEAC Pine Bluff, UACC Hope	
Commercial AC & Heating	SACC El Dorado	Certificate
Air Conditioning, Heating & Repair	PCCUA Helena	Associate's