

**Cluster – Transportation, Distribution and Logistics**  
**Pathway – Facility and Mobile Equipment Maintenance**  
**Program of Study – Diesel Mechanics**

**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  Youth Apprenticeship Mid-South Community Col	<b>Diesel Mechanics Core Courses</b> Diesel Mechanics I  <b>Diesel Mechanics Electives</b> Diesel Mechanics II  <b>Diesel Mechanics Industry Certifications</b> Medium/Heavy Duty Truck (ASE) in: Diesel Engines Suspension and Steering Brakes Electrical/Electronic Systems Preventative Maintenance Drive Train Heating, Ventilation, & Air Conditioning (HVAC) Hydraulics  <b>Related Programs of Study</b> Automotive Service Technology Collision Repair Technology Power Equipment Technology Aviation		
<b>Postsecondary Opportunities</b>				
<b>Major</b>	<b>Postsecondary School</b>		<b>Certificate/Degree Program</b>	
Diesel Technology	ASU Beebe PTC North Little Rock UACC Hope RMCC Mena		Certificate  AAS	
Diesel & Tractor Mechanics	BRTC Pocahontas		Certificate	
Diesel Maintenance Technology	MSCC West Memphis		Certificate	
Diesel Mechanics	ASU Beebe, ASU Newport, MSCC West Memphis, RMCC Mena,		Certificate	
Heavy Equipment Operation	SACC El Dorado, UACC Hope, UA Monticello		Certificate	
Heavy Truck Diesel Maintenance	MSCC West Memphis		Certificate	