

**Cluster - Agriculture, Food and Natural Resources**  
**Pathway – Natural Resources Systems**  
**Program of Study – Environmental Service Systems**

**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
<p><b>Foundation Courses</b>            Career Orientation            Computer Technology            Keyboarding</p> <p><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</p> <p><b>Arkansas Challenge</b>            Foreign Language 2 units</p>	<p><b>Program of Study Support Courses</b>            EAST/Workforce Technology            Internship            Workplace Readiness</p> <p><b>Support Courses</b>            Foreign Language            Word Processing or            Computer Business            Applications (CBA)</p> <p><b>Extended Learning Opportunities</b>            Future Farmers of America            Supervised Ag Experience            Jobs for Arkansas Grads            Job Shadowing</p>	<p><b>Natural Resource Systems Core Courses</b>            Ag Science and Technology or Ag Science            Environmental Resources            Managing Natural Resources            *Forestry can substitute Environmental Resources</p> <p><b>Natural Resource Systems Electives Suggested:</b>            Ag Apprenticeship/Work Based Learning            Plant Science            Animal Science            Leadership and Communications            Agricultural Surveying            Forestry            *Any other Agriculture Course Offering</p> <p><b>Natural Resource Industry Certifications</b>            Arkansas Career Readiness Certificate (CRC)</p> <p><b>Related Programs of Study</b>            Agribusiness Systems            Animal Systems            Plant Systems (Biological)            Plant Systems (Horticulture)            Power, Structural and Technical Systems</p>		
<b>Postsecondary Opportunities</b>				
<b>Major</b>	<b>Postsecondary School</b>		<b>Certificate/Degree Program</b>	
Environmental Sciences	UCA Conway ASU Jonesboro		Bachelor's Master's	
Environmental Management	NWACC Bentonville		Certificate	
Environmental Soil & Water	UA Fayetteville		Bachelor's	
Forestry	UA Monticello		Bachelor's	
Forestry Resources	UA Monticello		Master's	
Soil Science	UA Fayetteville		Bachelor's	
Wildlife Ecology & Mgmt	ASU Jonesboro		Bachelor's	
Wildlife Management	UA Monticello		Bachelor's	
Wildlife Enforcement	ASU Beebe		Certificate	