

**Cluster - Agriculture, Food and Natural Resources**

**Pathway - Animal Systems**

**Program of Study – Animal 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 Anatomy & Physiology	
	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> Future Farmers of America Jobs for Ark Grads (JAG) Job Shadowing Supervised Agri Education Program		<b>Animal Systems Core Courses</b> Agriculture Science and Technology or Agriculture Science Animal Science Biological Animal Science  <b>Animal Systems Electives</b> <b>Suggested:</b> Advanced Animal Science (species specific) Approved Meat Processing Lab Agricultural Business Agricultural Marketing Leadership and Communication Food Science *Any other Agriculture Course Offering  <b>Animal Systems Industry Certifications</b> Arkansas Career Readiness Certificate (CRC) Artificial Insemination Tractor Driving  <b>Related Programs of Study</b> Agribusiness Systems Power, Structural and Technical Systems Plant Systems (Biological) Plant Systems (Horticulture) Natural Resources Systems/Environmental Service Systems	
<b>Postsecondary Opportunities</b>					
<b>Major</b>	<b>Postsecondary School</b>		<b>Certificate/Degree Program</b>		
Veterinary Technology	ASU Beebe		Associate's Degree		
Animal Science	ASU Jonesboro, UA Pine Bluff UA Fayetteville		Bachelor's Bachelor's, Master's & Doctoral		
Poultry Science	UA Fayetteville		Bachelor's, Master's & Doctoral		
Aquaculture & Fisheries	UA Pine Bluff		Bachelor's		
Dairy Science	UA Fayetteville		Bachelor's		
Fisheries and Wildlife Biology	ATU Russellville		Bachelor's, Master's		
Fisheries Biology	UA Pine Bluff		Bachelor's		
Wildlife Enforcement	ASU Beebe		Certificate		
Wildlife Management	UA Monticello		Bachelor's		

