

Cluster - Agriculture, Food and Natural Resources

Pathway - Plant Systems

Program of Study – Plant Systems (Horticulture)

Sample Plan of Study

	9 th Grade	10 th Grade	11 th Grade	12 th Grade	
Smart Core	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	
Foundation Courses Career Orientation Computer Technology Keyboarding Graduation Requirements 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 Arkansas Challenge Foreign Language 2 units		Program of Study Support Courses EAST/Workforce Technology Internship Workplace Readiness Support Courses Foreign Language Word Processing or Computer Business Applications (CBA) Extended Learning Opportunities Future Farmers of America Supervised Ag Experience Jobs for Ark Grads (JAG) Job Shadowing		Plant Systems / Horticulture Core Courses Ag Science and Technology or Ag Science Greenhouse Management Intro to Horticultural Science Plant Systems / Horticulture Electives Suggested: Plant Science Biological Plant Science Floriculture Nursery/Landscape Turf Grass Management *Any other Agriculture Course Offering Horticulture Industry Certifications Arkansas Career Readiness Certificate (CRC) Related Programs of Study Agribusiness Systems Animal Systems Plant Systems (Biological) Power, Structural and Technical Systems Natural Resources Systems/Environmental Service Systems	
Postsecondary Opportunities					
Major	Postsecondary School		Certificate/Degree Program		
Horticultural Landscape & Nurs.	ANC Blytheville		Associate's		
Horticulture Operations	PCCUA Helena		Certificate		
Landscape Management	UA Little Rock		Associate's		
Landscape and Turf Grass Mgmt	ASU Beebe		Certificate		
Horticulture	UA Fayetteville		Bachelor's & Master's		
Landscape Architecture	PTC North Little Rock		Certificate, Associate's		
Landscape Architecture	UA Fayetteville		Bachelor's		
Landscape Architecture	UA Little Rock		Associate's		
Land Surveying Technology	UACC Morrilton, UA Monticello		Associate's		
Landscaping	ANC Blytheville		Certificate		
Soil Science	UA Fayetteville		Bachelor's		
Turf and Landscape Horticulture	UA Fayetteville		Bachelor's		