



**Program of Study**  
**Career Field: Environmental and Agricultural Systems**  
**Career Cluster: Agriculture, Food, and Natural Resources**  
**Career Pathway: Plant Systems**



**Southeast Community College**

DEGREE:  
Horticulture Focus

<http://www.southeast.edu/programs/Ag/default.aspx>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
<b>HIGH SCHOOL</b>	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages & Cultures Physical Education Health Education Information Technology Applications I Entrepreneurship Animal Science Agribusiness	Intro to Environmental and Ag Sciences Plant Science  <i>Plus two from the following:</i> Advanced Plant Science Floriculture Horticulture Landscape and Nursery Management Biotechnology in Plant Science Turf Management	<i>School Activities:</i> FFA  <i>Community Activities:</i> 4-H, Grow your own garden, Recycle, Tour an agribusiness, Work on a farm during the summer, Join professional organizations in this career cluster, Part-time employment available within this career cluster, Internships available within this career cluster			
	10	English/Language Arts II	Geometry	Biology	World History						
	11	English/Language Arts III	Algebra II	Chemistry	American History						
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics or other science course	American Government or Economics						
<b>SOUTHEAST COMMUNITY COLLEGE</b>		<b>COMMUNICATIONS</b>	<b>MATH/SCIENCE</b>	<b>SOCIAL SCI/HUMANITIES</b>	<b>COMPUTER TECHNOLOGY</b>	<b>CORE COURSES</b>		<b>FOCUS COURSES</b>			
	13 and 14	Public Speaking	Business Mathematics	Personal Finance	Microsoft Applications	Agribusiness Careers	Agribusiness Management	Companion Animal	Soils & Plant Nutrition	Agricultural Marketing	Pesticide Certification
		Written Communications	Thinking Mathematically	Intro to Psychology	Computer Literacy	Crop & Food Science	Agribusiness Intern Seminar I & II	Ag Chemicals & Equipment Appl	Irrigation & Water Management	Horticulture Plant ID & Selection	Basic Fertilizer Management
			General Biology			Ag Technology	Agribusiness Cooperative Internship	Plant Propagation	Basic Landscaping	Turfgrass Management	Horticulture Equipment Maint
			Basic Nutrition			Enterprise Analysis	Ag Business Sales	Range & Forage Management	Advance Landscaping	Greenhouse Management	Management of Turfgrass Pests