



Agriculture, Food & Natural Resources Cluster



	Grade	English	Math	Science	Social Studies	Other Required Courses	Career & Technical Courses	
High School	9	English 9	Algebra I	Biological or Physical Science	State History or Civics	Physical Education Health	Introduction to Agriscience Biological Science Applications in Agriculture	
	10	English 10	Geometry	Biological or Physical Science	US History	Possible GTC Credit	Biological Science Applications in Agriculture Introduction to Plant (Horticulture)	
	11	English 11	Algebra II	Chemistry	World History Psychology	<u>General Education</u> English Composition I Speech Oral/Interpersonal Communication Math w/ Business Applications Economics Intro to Psychology Intro to Sociology PC Basics / Microsoft Office	Cr. 3 3 3 3 3 3 3	
	<i>College Placement Assessments (ACT, SAT, etc), Academic/Career Advisement Provided</i>							Advanced Horticulture Landscape Management Greenhouse Management Plant & Soil Science Agribusiness Management
	12	English 12	Pre-Calculus or Statistics	Botany or other science course	Government Economics	<u>Cluster Courses</u> Greenhouse Crops Landscape Management Plant Biology for Horticulture Soils & Plant Nutrition	3 3 3 3	
Gateway Technical College	Associate Degrees		Technical Diplomas		Certificates		Credit Transfer Opportunities	
	Plant Systems							
	Horticulture – Greenhouse & Floral Horticulture – Nursery & Landscaping				Professional Floral Design Professional Garden Center Professional Grounds Maintenance Professional Interior Landscaping Professional Landscaping		<ul style="list-style-type: none"> UW-Platteville UW-Stout 	
Careers	Requiring Postsecondary Education						Requiring Baccalaureate Degree	
	<ul style="list-style-type: none"> Agriculture Journalist Biotechnology Lab Technician Commodity Marketing Specialist Custom Hay/Silage Operator Farmer Floral Shop Office Manager Garden Center Manager Golf Course Manager 		<ul style="list-style-type: none"> Grain Operation Superintendent Greenhouse Grower Greenhouse Manager Grounds / Landscape Maintenance Supervisor Interior Landscaper Landscape Designer Mass Market Manager 		<ul style="list-style-type: none"> Master Designer Nursery Production Manager Pesticide Applicator Plant Broker Plant Propagator Sod Grower Tree Surgeon Wholesaler 		<ul style="list-style-type: none"> Agriculture Educator Bioinformatics Specialist Botanist Cooperative Extension Agent Plant Breeder & Geneticist Plant Pathologist Research Horticulturist Soil & Water Specialist Teacher of Horticulture Wholesale / Owner 	