



Agribusiness Systems

Course Overview: Focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

Career Goal (O*NET Code): Farm Manager, Agricultural Crop (11-9011), Agricultural Technician (19-4011).

Student Name: _____

Grade: _____

School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:			Curricular Experiences: Texas FFA Association	Extracurricular Experiences: Agriscience Fair Farm Bureau Exchange Programs Language Immersion Programs School Newspaper Student Government Texas Cooperative Extension Field Days UIL Academic Competitions
	High School	9th	Core Courses:	English I Algebra I Biology		
Career-Related Electives:			Principles of Agriculture, Food and Natural Resources			
10th		Core Courses:	English II Geometry Chemistry	World History Languages other than English II		
		Career-Related Electives:	Principles and Elements of Floral Design or Agricultural Leadership Development I			
11th	Core Courses:	English III Algebra II Physics	United States History			
	Career-Related Electives:	Agricultural Leadership Development II or Landscape Design and Turf Grass Management or Horticulture Science				
12th	Core Courses:	English IV Precalculus AP Environmental Science	Government/Economics Floral Design (Fine Arts credit)			
	Career-Related Electives:	Agricultural Leadership Development III or Advanced Plant and Soil Science				
Postsecondary	On-the-Job Training	Boll-Weevil Eradication Crop Consulting Employee	Farm Equipment Operator Foundation Employee Grain Elevator Employee	Insect Scout Landscape Technician NRCS Trainee		Professional Associations: American Society of Agronomy Collegiate FFA National Alliance of Independent Crop Consultants Post-Secondary Agricultural Students Association Students of Agronomy, Soils and Environmental Sciences
	Certificates	Commercial or Non-commercial Pesticide Applicator	Crop Adviser Private Pesticide Applicator	Master Gardener Nursery Professional OSHA CareerSafe	Career Options: Farmer/Rancher Farm/Ranch Employee Pesticide Applicator Insect Scout	
	Associate Degrees	Agricultural Business	Farm and Ranch Management	Horticulture and Crop Science	Career Options: Farm/Ranch Manager Environmental Technician Landscape Technician	
Bachelor Degrees	Agronomy Entomology Integrated Pest Management	Plant Science Plant & Environmental Soil Science	Soil Science Soil & Crop Science Weed Science	Career Options: Certified Crop Adviser Agricultural Researcher	Ag. Cooperative Manager Chemical Salesperson Cooperative Extension Agent	
Graduate Degrees	Agronomy Plant Biotechnology	Plant Breeding Plant Pathology	Plant Protection Soil Science	Career Options: Soil Scientist Plant Scientist	Plant Breeder Range Scientist Research Facility Manager	

COLLEGE CREDIT OPPORTUNITIES -- High School

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2009. All plans meet high school graduation requirements as well as college entrance requirements.