



# 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	<b>HS Courses:</b>	Exploring Agriculture, Food and Natural Resources Touch Systems Data Entry	<b>Curricular Experiences:</b> <a href="#">Texas FFA Association</a>	<b>Extracurricular Experiences:</b> Agriscience Fair Farm Bureau Exchange Programs Language Immersion Programs School Newspaper Student Government Texas Cooperative Extension Field Days UIL Academic Competitions	
	9th	<b>Core Courses:</b>	English I Algebra I or Geometry Biology			World Geography Languages other than English I Physical Education
High School		10th	<b>Career-Related Electives:</b>	Principles of Agriculture, Food and Natural Resources	<b>Career Learning Experiences:</b> Career Preparation Internship Job Shadowing	<b>Service Learning Experiences:</b> Boy/Girl Scouts Community Gardens Community Service Volunteer Crop Demonstration Plots Habitat for Humanity Landscaping/Lawn Care
	<b>Core Courses:</b>		English II Geometry or Alg II Chemistry	World History Languages other than English II		
	11th	<b>Career-Related Electives:</b>	Business Information Management I and Advanced Plant and Soil Science			
		<b>Core Courses:</b>	English III Algebra II or Pre-Cal Physics or Princ of Technology	United States History Professional Communications		
12th	<b>Career-Related Electives:</b>	Business Information Management II or Marketing				
	<b>Core Courses:</b>	English IV Alg III, Pre-Calculus, or AP Calculus Environmental Science	Government/Economics Fine Arts			
				<b>COLLEGE CREDIT OPPORTUNITIES -- High School</b>		
				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.		
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	<b>Professional Associations:</b> <a href="#">American Society of Agronomy</a> <a href="#">Collegiate FFA</a> <a href="#">National Alliance of Independent Crop Consultants</a> <a href="#">Post-Secondary Agricultural Students Association</a> <a href="#">Students of Agronomy, Soils and Environmental Sciences</a>	
	Certificates	Commercial or Non-commercial Pesticide Applicator	Crop Adviser Private Pesticide Applicator	Master Gardener Nursery Professional OSHA CareerSafe	<b>Career Options:</b> Farmer/Rancher Farm/Ranch Employee Pesticide Applicator Insect Scout	
	Associate Degrees	<a href="#">Agricultural Business</a>	<a href="#">Farm and Ranch Management</a>	<a href="#">Horticulture and Crop Science</a>	<b>Career Options:</b> 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	<b>Career Options:</b> 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	<b>Career Options:</b> Soil Scientist Plant Scientist	Plant Breeder Range Scientist Research Facility Manager	

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.