



Plant 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): Floral Designer (27-1023), Greenhouse Manager (11-9011), Floral Department Supervisor (41-1011), Horticulturist (19-1013).

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 UIL Academic Competitions Yearbook
	High School	9th	Core Courses:		
Career-Related Electives:			Principles of Agriculture, Food and Natural Resources		
10th		Core Courses:	English II World History Geometry Languages other than English II Chemistry		
		Career-Related Electives:	Greenhouse Management or Landscape Design and Maintenance		
11th		Core Courses:	English III United States History Mathematical Models with Applications Physics		
		Career-Related Electives:	Floral Design (required for Fine Arts credit)		
12th	Core Courses:	English IV Government/Economics Algebra II AP Environmental Science			
	Career-Related Electives:	Agricultural Science Internship/Mentorship or Advanced Plant and Soil Science			
On-the-Job Training		Floral Designer's Assistant Cut Flower Processor Floral Sales			Professional Associations: American Institute of Floral Designers Collegiate FFA Produce Marketing Association Pi Alpha Xi National Honorary Society in Floriculture and Ornamental Horticulture Post-Secondary Agricultural Students Association Society of American Florists Texas Nursery and Landscape Association Texas State Florists' Association
	Certificates	High School Floral Landscape Design Texas Master Gardener Junior Master Gardener OSHA CareerSafe	Career Options: Texas Certified Florist Texas Master Florist		
Postsecondary	Associate Degrees	Greenhouse Florist Interiorscape Design Ornamental Horticulture Technology Landscape Nursery Management	Career Options: Floral Designer Interior Landscape Technician Greenhouse/Field Supervisor Cut Flower Processor Retail/Wholesale Floral Sales Custom Floral Decorating		
	Bachelor Degrees	Floriculture Horticulture	Career Options: Botanical Gardens/Arboreta Retail Owner/Manager Wholesale Stock Buyer Cut Flower Production Supervisor Horticulture Therapist		
	Graduate Degrees	Floriculture Horticulture	Career Options: Research Associate Plant Physiologist/Pathologist		

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.