



Agriculture,
Food &
Natural
Resources

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's Name: _____ **Date:** _____

School: Mabank High School **Grade:** 9th 10th 11th 12th AR

Primary Endorsement: Business & Industry **Additional Endorsements:** Arts & Humanities Multidisciplinary
 Public Service STEM

Parent's Signature: _____ **Student's Signature:** _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	Algebra I Art I Health	Spanish I Touch Systems Data Entry
	High School	9th	Core Courses:	English I Algebra I or Geometry Biology
Career-Related Electives:			Principles of Agriculture, Food and Natural Resources	
10th		Core Courses:	English II Geometry or Alg II IPC or Chemistry	World History Languages other than English II
		Career-Related Electives:	Floral Design	
11th	Core Courses:	English III Algebra II, Math Models, or Physics	United States History Languages other than English III	
	Career-Related Electives:	Horticultural Science		
12th	Core Courses:	English IV Alg II, Pre-Calculus, AP Calculus Science Elective	Government/Economics Fine Arts Languages other than English IV	
	Career-Related Electives:	Advanced Plant & Soil Science and Practicum in Ag, Food & Natural Resources - Horticulture		

<p>Curricular Experiences: Texas FFA Association</p> <p>Career Learning Experiences: Career Preparation Internship Job Shadowing</p>	<p>Extracurricular Experiences: Agriscience Fair Farm Bureau Exchange Programs Language Immersion Programs School Newspaper Student Government UIL Academic Competitions Yearbook</p> <p>Service Learning Experiences: Boy/Girl Scouts Campus Service Organizations Community Garden Programs Community Service Volunteer Garden Club Programs Peer Mentoring / Peer Tutoring</p>
--	---

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.

Postsecondary	Practicum and/or Work-Based	Floral Designer's Assistant Junior Master Gardener	Cut Flower Processor Landscape Design OSHA CareerSafe	Floral Sales Texas Master Gardener
	Certificates	NOTE: These experiences may be started and/or completed as part of the high school experience. NOTE: Certificates and licensure may be earned while in high school and may lead to a Performance Acknowledgement.		

<p>Career Options: Texas Certified Florist Texas Master Florist</p>	<p>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</p>
--	--

Postsecondary	Associate Degrees	Greenhouse Florist	Interiorscape Design Landscape Nursery Management	Ornamental Horticulture Technology
	Bachelor Degrees	Floriculture	Horticulture	
	Graduate Degrees	Floriculture	Horticulture	

<p>Career Options: Floral Designer Greenhouse/Field Supervisor</p>	<p>Interior Landscape Technician Cut Flower Processor Retail/Wholesale Floral Sales Custom Floral Decorating</p>
<p>Career Options: Botanical Gardens/Arboreta Cut Flower Production Supervisor</p>	<p>Retail Owner/Manager Wholesale Stock Buyer Horticulture Therapist</p>
<p>Career Options: Research Associate</p>	<p>Plant Physiologist/Pathologist</p>

This program of study (POS) serves as a guide, along with other college and career planning materials, for pursuing college and career goals. POS developed 2017. A Business & Industry endorsement as defined in 19 TAC 74.13(f)(2)(A) requires a coherent sequence of courses for four or more credits in career and technical education (CTE) that consists of at least two courses in the least one advanced CTE same career cluster, including at course, which includes any course that is the third or higher course in a sequence. The final courses in the sequence must be obtained from one of the Agriculture, Food and Natural Resources career cluster.