



# PLANT SCIENCE

**Career Cluster:** Agriculture, Food, and Natural Resources

**Endorsement:** Business and Industry

## High School Course Sequence:

### Level One

Principles of Agriculture, Food, and Natural Resources

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### Level Two

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### Level Three\*

Floral Design (KCC)

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### Level Four\*

Advanced Plant and Soil Science (KCC)

Practicum in AGFNR – Floral Design (KCC)

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*\* Indicates advanced course(s)*

**A CTE Completer is a student who completes three or more CTE courses for four or more credits including one Level 3 or 4 (advanced level) CTE course within a program of study will fulfill the requirements of a Business and Industry Endorsement.**

The Plant Science program of study focuses on the science, research, and business of plants and other living organisms. It teaches students how to apply biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.

## CAREER OUTLOOK\*\*

Occupation	Texas Outlook			National Outlook		
	Median Wage	Annual Openings	Growth	Median Wage	Annual Openings	Growth
Soil and Plant Scientist	\$63,180	110	13%	\$63,200	2,200	8%
Pesticide, Herbicide, Sprayers, and Applicators, Vegetation	\$32,260	230	16%	\$35,840	5,000	7%
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	\$46,210	1,350	18%	\$49,370	24,300	9%
Floral Designers	\$24,850	330	-5%	\$28,040	4,400	-14%

\*\* Career Outlook information derived from O\*NET Online at <https://www.onetonline.org/>

## INDUSTRY CERTIFICATIONS & EDUCATION

Industry Certification Offered at the KISD Career Center	Certification/ License	Associate's Degree	Bachelor's Degree	Master's Degree/Doctoral Degree
Texas State Floral Association Level One Floral Certification	Pesticide Applicator	Applied Horticulture/ Horticulture Operations, General	Agronomy and Crop Science	Agricultural Business and Management, General

## HIGH SCHOOL COURSE INFORMATION

Course Name	Service ID	Prerequisite(s)	Grade(s)
Principles of Agriculture, Food, and Natural Resources	13000200 (1 Credit)	None	9-12
Floral Design	13001800 (1 Credit)	None	10-12
Advanced Plant and Soil Science	13002100 (1 credit)	None	11-12
Practicum AGFNR – Floral Design	13002500 (2 Credits)	None	11-12

## CAREER EXPLORATION & WORK - BASED LEARNING OPPORTUNITIES

Possible Career Exploration Activities	Possible Work-Based Learning Opportunities
<ul style="list-style-type: none"> <li>Job Shadowing with a local florist or greenhouse operator</li> <li>Participate in FFA (CTSO)</li> </ul>	<ul style="list-style-type: none"> <li>Obtain certification as a Texas State Floral Association Level One Florist</li> </ul> <p><i><b>Note:</b> If you have an internship during high school, talk with your counselor about taking Career Prep.</i></p>

## FIND COLLEGES & UNIVERSITIES OFFERING CERTIFICATES & DEGREE PLANS IN THIS FIELD

**Log into Naviance and use the College SuperMatch Tool to find colleges offering degree plans in this field.**

### NAVIANCE ACCESS

All Killeen ISD students (7th-12th graders) should login to their Naviance account through Clever:

1. Go to your Clever portal: <https://clever.com/in/killeenisd>



2. Username: school username  
Password: school password

3. Click on: Naviance



## ARMED FORCES CAREER INFORMATION

N/A

**Local Armed Forces Recruiter Contact Information:**

Air Force – (254) 247-8992

Army – (254) 690-8554

Army National Guard – (903) 262-6355

Marines – (254) 690-2626

Navy – (254) 690-2096

\*See your school counselor to connect with a military recruiter for career counseling and to take the ASVAB in high school.