



**PLANT SCIENCE  
COURSE PATHWAY**



**EXPLORATION Principles & Elements of Floral Design**



**INVESTIGATION Greenhouse Operations & Production**



**PREPARATION Landscape Design & Management  
Turf Grass Management**



**APPLICATION Advanced Plant & Soil Science**

**EXPANDED LEARNING  
OPPORTUNITIES**

**Career & Technical  
Student Organization**

Texas FFA

**Work-based Learning**

Local floral shop  
Landscape business

**INDUSTRY BASED CERTIFICATION  
OPPORTUNITIES**

Texas State Florist's Association  
Knowledge Based Floral Certification

BASF Plant Science Certification

**DUAL CREDIT OPPORTUNITIES**

Discuss dual credit opportunities with  
your counselor

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

## POSTSECONDARY OPPORTUNITIES

### ASSOCIATE'S DEGREE

- ◆ Applied Horticulture/Horticulture Operations
- ◆ Ornamental Horticulture
- ◆ Agricultural Business & Management
- ◆ Turf & Turfgrass Management

### BACHELOR'S DEGREE

- ◆ Applied Horticulture/Horticulture Operations
- ◆ Agricultural Business & Management
- ◆ Turf & Turfgrass Management
- ◆ Agronomy & Crop Science

### MASTER'S, DOCTORAL, & PROFESSIONAL DEGREES

- ◆ Applied Horticulture/Horticulture Operations
- ◆ Agricultural Business & Management
- ◆ Agronomy & Crop Science
- ◆ Farm/Farm & Ranch Management

## CONNECTED OCCUPATIONS

Occupation	Median Wage	Annual Openings	% Growth
Soil and Plant Scientists	\$54,662	116	21%
Tree Trimmers and Pruners	\$32,240	589	14%
Pesticide Handlers	\$36,733	196	22%
Landscaping Supervisors	\$44,408	807	19%
Biological	\$42,931	452	17%

Successful completion of the Plant Science program of study fulfills the requirements of a Business & Industry endorsement or STEM endorsement if the math and science requirements are also met.

### Temple ISD Course Details

COURSE NAME	PREREQUISITES	GRADES	TSD COURSE CODE	SERVICE ID and COURSE CREDIT
Principles & Elements of Floral Design*	None	9-12	V13018 <sup>+</sup>	13001800 (1 credit)
Greenhouse Operation and Production	None	10-12	V13013 <sup>+</sup>	13002050 (1 credit)
Landscape Design & Management	None	11-12	V13019 <sup>+</sup>	13001900 (.5 credit)
Turf Grass Management	None	11-12	V13017 <sup>+</sup>	13001950 (.5 credit)
Advanced Plant & Soil Science	Biology & Chemistry or IPC	11-12	V13021 <sup>+</sup>	13002100 (1 credit)

\*Sponsorships are associated with this course

<sup>+</sup>Minimum requirements to meet CTE Completer status

Temple Independent School District prohibits discrimination, including harassment, against any student on the basis of race, color, religion, gender, national origin, disability, or any other basis prohibited by law. The District prohibits dating violence, as determined by this policy. Retaliation against anyone involved in the process set out in this policy is a violation of District policy.