



**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 ⁺	13001800 (1 credit)
Greenhouse Operation and Production	None	10-12	V13013 ⁺	13002050 (1 credit)
Landscape Design & Management	None	11-12	V13019 ⁺	13001900 (.5 credit)
Turf Grass Management	None	11-12	V13017 ⁺	13001950 (.5 credit)
Advanced Plant & Soil Science	Biology & Chemistry or IPC	11-12	V13021 ⁺	13002100 (1 credit)

*Sponsorships are associated with this course

⁺Minimum requirements to meet CTE Completer status

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