



Level 1 Principles of Agriculture, Food & Natural Resources

Level 2 Landscape Design & Management AND Turf Grass Management

Level 3 Floral Design
Horticulture Science

Level 4 Practicum in AFNR **
Advanced Floral Design **
Extended Career Preparation I **

Successful completion of a **Program of Study** will fulfill requirements of earning an **Endorsement**.

* District Technology Credit **List Driven Course
***Also offered non Dual Credit

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Texas State Floral Association Level One Floral Certification	Certified Floral Designer	Applied Horticulture/ Horticulture Operations, General	Applied Horticulture/ Horticulture Operations, General	Applied Horticulture/ Horticulture Operations, General
TSFA Level Two Floral Certification	Accredited Member of AIFD	Ornamental Horticulture	Agronomy and Crop Science	Agronomy and Crop Science
	Landscape Industry Certified Technician	Agricultural Business and Management, General	Agricultural Business and Management, General	Agricultural Business and Management, General
		Turf and Turfgrass Management	Turf and Turfgrass Management	Farm/Farm and Ranch Management

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.

The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life—food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

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



WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	WBL Activities:
Texas FFA	Work part-time at a florist Start or work for a local landscaping business FFA Supervised Agriculture Experience (SAE)

COURSE INFORMATION

COURSE NAME	LOCAL COURSE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Agriculture, Food, and Natural Resources	12000 (1 credit)	None	9-10
Landscape Design and Management	12008 (.5 credit)	PREQ: Principles of AFNR	10-11
Turf Grass Management	12009 (.5 credit)	PREQ: Principles of AFNR	10-11
Floral Design	12011 (1 credit)	PREQ: Principles of AFNR	9-12
Horticultural Science	12010 (1 credit)	PREQ: Principles of AFNR	10-12
Advanced Floral Design **	12019 (1 credit)	PREQ: Floral Design	11-12
Practicum in Agriculture, Food, and Natural Resources **	12014 (2 credits)	PREQ: A sequence of courses from this POS.	11-12
Extended Career Preparation I **	12255 (3 credits)	PREQ: A sequence of courses from this POS.	11-12

* District Technology Credit **List Driven Course

Recommended Technology Credit = Principles of Information Technology or Principles of Arts, A/V Technology

FOR ADDITIONAL INFORMATION ON THE AGRICULTURE, FOOD, AND NATURAL RESOURCE CAREER CLUSTER,
PLEASE CONTACT:

Program Managers

Lori Ghazal – lori.ghazal@aliefisd.net
Delisha Simon – Delisha.simon@aliefisd.net

Campus Career Advisors (CCA)

Madalina Noth (Hastings) – Madalina.noth@aliefisd.net
Mary B. Garza (Elsik) – mary.garza@aliefisd.net
Sharmeka Shannon (Taylor) – Sharmeka.shannon@aliefisd.net



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