



AGRICULTURE, FOOD, & NATURAL RESOURCES



Academics

Program of Study: Plant Science

The **Plant Science** program of study explores career and academic opportunities related to the biology, research, and commercial aspects of plants and other living organisms. This program of study emphasizes the practical use of biological and life sciences to understand plant systems and vegetation, whether in laboratory environments or in nature.

CAMPUSES

Bellaire HS
Washington HS
Chavez HS
Lamar HS
Sharpstown HS

INDUSTRY-BASED CERTIFICATIONS OFFERED

- Certified Veterinary Assistant, Level 1
- Ducks Unlimited Ecology Conservation & Management Certification
- Texas Certified Landscape Associate (TCLA)
- Texas State Florist's Association Level I & Level II Floral Certification
- BASF Plant Science Certification
- Commercial/Non-Commercial Pesticide Applicator

CAREER OCCUPATIONS

HIGH SCHOOL DEGREE

Pesticide Handlers, Sprayers, Applicators, Vegetation

Median Salary: \$45,678
Annual Openings: 29

Pest Control Workers

Median Salary: \$36,090
Annual Openings: 272

BACHELOR'S DEGREE

Farmers, Ranchers, and Other Agricultural Managers

Median Salary: \$73,863
Annual Openings: 2,197

Conservation Scientists

Median Salary: \$53,102
Annual Openings: 29

MASTER'S DEGREE

Microbiologists

Median Salary: \$58,127
Annual Openings: 12

Soil and Plant Scientists

Median Salary: \$44,531
Annual Openings: 9

OTHER OCCUPATIONS

DESCRIPTION	MEDIAN SALARY	ANNUAL OPENINGS	10-YEAR GROWTH
Biological Technicians	\$49,922	447	10%
Landscaping and Groundskeeping Workers	\$34,363	2828	14%
Floral Designers	\$29,415	44	6%

To learn more about our CTE Programs please visit
<https://www.HoustonISD.org/CareerReadiness> or any of the campuses listed.

Cite Sources:

*Rice University Kinder Institute Workforce Demand Dashboard ([Click Here](#))

**"Employment Projections - Texas Wages and Employment Projections" ([Click Here](#))



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Academics

Program of Study: Animal Science

The **Animal Science** program of study explores career and educational pathways related to the biology, research, and business aspects of animals and other living organisms. This curriculum emphasizes the practical application of life sciences to the biological processes of animals and wildlife, whether in laboratory settings or field environments such as veterinary clinics, farms, ranches, or natural habitats. Students engage in investigations of species development and decline and study the diagnosis and treatment of animal diseases and injuries.

CAMPUSES

Bellaire HS	Madison HS
Washington HS	North Forest HS
Chavez HS	Worthing HS
Lamar HS	

INDUSTRY-BASED CERTIFICATIONS OFFERED

- Certified Veterinary Assistant, Level 1
- Elanco Fundamentals of Animal Science Certification
- Elanco Veterinary Medical Applications Certification
- Equine Management & Evaluation Certification
- Licensed Veterinary Technician

CAREER OCCUPATIONS

HIGH SCHOOL DEGREE

Veterinary Assistants and Laboratory Animal Caretakers
 Median Salary: \$30,134
 Annual Openings: 294

BACHELOR'S DEGREE

Conservation Scientists
 Median Salary: \$53,102
 Annual Openings: 29

DOCTORAL DEGREE

Veterinary
 Median Salary: \$103,950
 Annual Openings: 88

ASSOCIATE'S DEGREE

Veterinary Technologists and Technicians
 Median Salary: \$34,125
 Annual Openings: 302

MASTER'S DEGREE

Microbiologists
 Median Salary: \$58,127
 Annual Openings: 12

OTHER OCCUPATIONS

DESCRIPTION	MEDIAN SALARY	ANNUAL OPENINGS	10-YEAR GROWTH
Natural Sciences Managers	\$136,350	569	21.2%
Pest Control Workers	\$45,393	1,384	18.8%
Biological Technicians	\$52,098	665	15.8%

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Academics

Program of Study: Environmental & Natural Resources

The **Environmental and Natural Resources** program of study highlights career and educational paths related to designing, researching, and engineering solutions to prevent and manage environmental risks. This program of study involves investigating and addressing sources of pollution or environmental threats that may impact ecosystems or public health.

CAMPUSES

Chavez HS
Furr HS

INDUSTRY-BASED CERTIFICATIONS OFFERED

- Certified Veterinary Assistant, Level 1
- Ducks Unlimited Ecology Conservation & Management Certification
- Texas Certified Landscape Associate (TCLA)
- Texas State Florist's Association Level I & Level II Floral Certification
- BASF Plant Science Certification
- Commercial/Non-Commercial Pesticide Applicator

CAREER OCCUPATIONS

HIGH SCHOOL DEGREE

Occupational Health and Safety Technicians

Median Salary: \$64,859
Annual Openings: 119

BACHELOR'S DEGREE

Environmental Scientists and Specialists, Including Health

Median Salary: \$79,183
Annual Openings: 169

MASTER'S DEGREE

Veterinarians

Median Salary: \$103,950
Annual Openings: 88

ASSOCIATE'S DEGREE

Environmental Engineering Technologists and Technicians

Median Salary: \$48,124
Annual Openings: 62

Occupational Health and Safety Specialists

Median Salary: \$77,246
Annual Openings: 446

Environmental Science and Protection Technicians, Including Health

Median Salary: \$46,636
Annual Openings: 167

OTHER OCCUPATIONS

DESCRIPTION

MEDIAN SALARY

ANNUAL OPENINGS

10-YEAR GROWTH

Conservation Scientists

\$53,102

29

4%

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