



# Opportunity Guide





# Splendora ISD

## Strategic Direction... *why we exist*

### VISION:

Right People.  
Right Things.  
Right Way.  
Right Resources.  
Right Relationships.

### MISSION:

Cultivating  
Exceptional  
People

#### At Splendora ISD, we believe that:

The greatest outcomes result when students come first.

Positive and supportive relationships create the conditions for students to be advocates in their education.

A healthy, collaborative culture fosters exploration and innovation in a supportive environment.

Servant leaders and critical thinkers strengthen our community and democracy.

All students deserve high-quality, engaging learning experiences that honor the potential in each student.

The Splendora ISD Learner Profile provides an educational setting where every student is empowered to be:

- Self-motivated
- Confident
- An adaptable learner
- A critical thinker
- A productive citizen

A large photograph of a graduation ceremony serves as the background. In the foreground, graduates in red gowns are seated on a grassy field, many with their arms raised and red caps tossed into the air. In the background, a large stadium scoreboard is visible, featuring the word 'WILDCAT' and other sports-related text. The sky is overcast.

# Explore Your Opportunities...

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Certificate Opportunities & the Early  
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# Advanced Academics, Lone Star College Certificate Opportunities & the Early College Program



## Level 1 certificate opportunities offered through Lone Star College

*A Level 1 certificate consists of 15-42 credit hours. Students in Level 1 certificate programs are not required to meet the Texas Success Initiative-Accuplacer (TSIA2) college entrance testing requirements. Level 1 certificates do not have a general education college requirement for math, English, science or social studies classes.*

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## Level 2 certificate opportunity offered through Lone Star College

*A Level 2 certificate typically consists of 30-51 credit hours. Students in Level 2 certificate programs must meet the college entrance testing requirements of the Texas Success Initiative-Accuplacer (TSIA2). Level 2 certificates may have a general education college requirement for math, English, science or social studies classes.*

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## Advanced Academics & Early College Program.....9

*The Early College initiative is an open-enrollment program that blends college and high school coursework, enabling students to earn up to 2 years of college credit, tuition-free, while enrolled in high school.*

# Lone Star College Certificate Opportunities



**LEARN MORE...**

## Level 1 Workforce Certificate

### Accounting

#### PROGRAM PATHWAY

- Texas Success Initiative-Accuplacer (TSIA2) testing, for college readiness, is not required to take Level 1 certificate college courses
- Open enrollment available to current juniors and seniors in Business & Industry endorsement
- Earn an Accounting Level 1 certificate during high school
- 21 college credits (7 semester classes)
- Travel to Lone Star College Kingwood for classes
- Option to earn an Applied Associate of Science degree (AAS) after high school graduation
- All graduates of Splendora High School receive a \$1,600 scholarship from East Montgomery County Improvement District (EMCID) that can be used towards the completion of the Accounting AAS
- Mid level income for Accounting AAS is \$44,057

## Level 1 Workforce Certificate

### Business Administration

#### PROGRAM PATHWAY

- Texas Success Initiative-Accuplacer (TSIA2) testing, for college readiness, is not required to take Level 1 certificate college courses
- Open enrollment available to current juniors and seniors in Business & Industry endorsement
- Earn a Business Operations Level 1 workforce certificate during high school
- 21 college credits (7 semester classes)
- Travel to Lone Star College Kingwood for classes
- Option to earn an Applied Associate of Science degree (AAS) after high school graduation
- All graduates of Splendora High School receive a \$1,600 scholarship from East Montgomery County Improvement District (EMCID) that can be used towards the completion of the Business Administration AAS
- Mid level income for Business Administration AAS: Business Management Specialization Area is \$63,844

## Level 1 Workforce Certificate

### Computer Networking Specialization – CISCO

#### PROGRAM PATHWAY

- Texas Success Initiative-Accuplacer (TSIA2) testing, for college readiness, is not required to take Level 1 certificate college courses
- Open enrollment available to current juniors and seniors in Business & Industry endorsement
- Earn a Computer Networking Specialization – CISCO Level 1 workforce certificate during high school
- 24 college credits (8 semester classes)
- Travel to Lone Star College Kingwood for classes
- Option to earn an Applied Associate of Science degree (AAS) after high school graduation
- All graduates of Splendora High School receive a \$1,600 scholarship from East Montgomery County Improvement District (EMCID) that can be used towards the completion of the Computer Networking Specialization – CISCO AAS
- Wages vary by position, title, and credentials

## Automotive Service Technician

### PROGRAM PATHWAY

- Texas Success Initiative-Accuplacer (TSIA2) testing, for college readiness, is not required to take Level 1 certificate college courses
- Open enrollment available to current juniors and seniors
- Earn an Automotive Service Technician Level 1 certificate during high school
- 16 college credits (4 semester classes)
- Travel to Lone Star College Kingwood for classes
- Option to earn an Applied Associate of Science degree (AAS) after high school graduation
- All graduates of Splendora High School receive a \$1,600 scholarship from East Montgomery County Improvement District (EMCID) that can be used towards the completion of the Automotive Service Technician AAS
- Mid level income for Automotive Service Technician AAS is \$70,794



## Fire Science Technology

### PROGRAM PATHWAY

- Texas Success Initiative-Accuplacer (TSIA2) testing, for college readiness, is not required to take Level 1 certificate college courses
- Open enrollment to current seniors
- Earn a Basic Structural Firefighter Level 1 certificate during high school
- 30 college credits for certificate (9 semester classes)
- Evening classes only at Lone Star College Kingwood
- Option to earn an Applied Associate of Science degree (AAS) in Fire Science Technology after high school graduation
- All graduates of Splendora High School receive a \$1,600 scholarship from East Montgomery County Improvement District (EMCID) that can be used towards the completion of the Fire Science Technology AAS
- Mid level income for Fire Science Technology AAS is \$55,276

## Manufacturing Technology

### PROGRAM PATHWAY

- Texas Success Initiative-Accuplacer (TSIA2) testing, for college readiness, is not required to take Level 1 certificate college courses
- Open enrollment available to current juniors and seniors
- Earn a Welding Level 1 certificate during high school
- 240 contact hours for welder certificate
- Option to earn an Applied Associate of Science degree (AAS) in Manufacturing Technology after high school graduation
- All graduates of Splendora High School receive a \$1,600 scholarship from East Montgomery County Improvement District (EMCID) that can be used towards the completion of the Manufacturing Technology AAS
- Wages vary by position, title, and credentials



## Process Technology, Level 2 Certificate

### PROGRAM PATHWAY

- Passing the Texas Success Initiative-Accuplacer (TSIA2) college readiness tests are required to enroll in Level 2 certificate courses
- Begin work on a Level 2 certificate during high school
- 48 college credits to earn a Level 2 certificate
- Travel to Lone Star College Kingwood Process Technology Center located in Atascocita
- Option to earn an Applied Associate of Science degree (AAS) after high school graduation
- All graduates of Splendora High School receive a \$1,600 scholarship from East Montgomery County Improvement District (EMCID) that can be used towards the completion of the Process Technology AAS
- Mid level income for Process Technology AAS is \$54,744



**Lone Star College Certificate Opportunities**

**LEARN MORE...**



# Advanced Academics

Splendora High School offers multiple advanced academic course opportunities. Advanced courses include Honors, Pre-Advanced Placement, Advanced Placement, and Dual Credit.

LEARN MORE...



## Early College Program

LEARN MORE...



Splendora High School has been awarded the designation by Texas Education Agency (TEA) as an Early College school-within-a-school. Every high school student is afforded the opportunity to take dual credit classes at no cost to the student.

To be a member of the Early College cohort, students must submit an application during their 8th grade year. As a member of the Early College program, students can become “core complete” (42 college hours) or earn an associate degree (60 college hours). Once a student meets the college entrance testing requirement, the Texas Success Initiative Accuplacer (TSIA2), he/she may begin taking college courses on our high school campus through Lone Star College.

To receive a bachelor’s degree from a public university, Texas law requires that students complete a core curriculum of 42 credit hours. If you complete the “core curriculum” with grades of “C” or better in the Early College Program in partnership with Lone Star College, the entire core curriculum (42 credit hours) transfers to any public university in the State of Texas. To earn an associate degree, 60 college credit hours, students would need to complete an additional 18 elective credit hours (6 elective classes) beyond the 42 credit hours needed for “core complete”.

College courses are offered on our high school campus, virtually, and on the Lone Star College campus in Kingwood. Dual credit grades are not awarded on the traditional high school grading period schedule. Final grades are given for each course, and the final grade is recorded on the student’s transcript. Grades for the college courses are not accessible through our parent portal. Our high school staff works with Lone Star to monitor progress throughout the semester.

### Sample Degree Plan

| 9th Grade              | 10th Grade             | 11th Grade             | 12th Grade             |
|------------------------|------------------------|------------------------|------------------------|
| Pre-AP English I       | Pre-AP English II      | ENGL 1301<br>ENGL 1302 | ENGL 2322<br>ENGL 2323 |
| AP World History       | HIST 1301<br>HIST 1302 | GOVT 2305<br>GOVT 2306 | HS Elective            |
| Pre-AP Algebra II      | Pre-AP Geometry        | Pre-AP Pre-Calculus    | MATH 1314<br>ECON 2301 |
| Pre-AP Biology         | Pre-AP Chemistry       | AP Physics 1           | DC Science/DC Science  |
| EDUC 1300<br>PHED 1164 | HUMA 1301<br>HUMA 1302 | HIST 2321<br>HIST 2322 | HC Elective            |
| HS Elective            | MUSI 1306<br>SPCH 1315 | HS Elective            | HS Elective            |
| HS Elective            | HS Elective            | HS Elective            | HS Elective            |
| HS Elective            | HS Elective            | HS Elective            | HS Elective            |



Required elective



Core complete requirements



Associate degree electives

Dual credit course selection and availability are dependent on course offerings at Lone Star College Kingwood and the certification of the dual credit instructor that teaches on the SHS campus. Splendora ISD is not guaranteed seats in particular courses offered on the Lone Star Campus. Sometimes, the course that is discussed in the Personal Graduation Plan (PGP) meeting may be changed to a different course that will satisfy degree requirements because of course availability on the Lone Star Campus or the certification of the staff teaching on our high school campus. While we work with Lone Star staff each semester to request specific courses, there is no guarantee that all courses will be offered during the time that our students can take them on the Lone Star Campus. As a result, courses may have to be adjusted to ensure that all students can meet core complete or associates degree requirements.



# Arts & Humanities Endorsements

|  |    |
|--|----|
| Art .....                                | 11 |
| Band .....                               | 11 |
| Choir .....                              | 11 |
| Dance .....                              | 11 |
| Languages Other than English (LOTE)..... | 11 |
| Social Studies .....                     | 11 |
| Theater.....                             | 11 |

# Arts & Humanities Endorsements

The Arts & Humanities endorsement is a curriculum path that allows for students to focus deeply on courses directly related to fine arts, foreign languages, or social studies.

Please see your counselor for more information.

- Art – 4 credits
- Band – 4 credits
- Choir – 4 credits
- Dance – 4 credits
- Languages Other than English (LOTE) – 4 credits
- Social Studies – 5 credits
- Theater – 4 credits





# Public Service Endorsements

## Education & Training

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## Human Services

Cosmetology and Personal Care Services..... 14

## Health Sciences

Exercise Science & Wellness..... 15

Healthcare Therapeutic..... 16

## Hospitality & Tourism

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## Law & Public Service

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## Air Force JROTC

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## TEACHING & TRAINING

### *Statewide Program of Study*

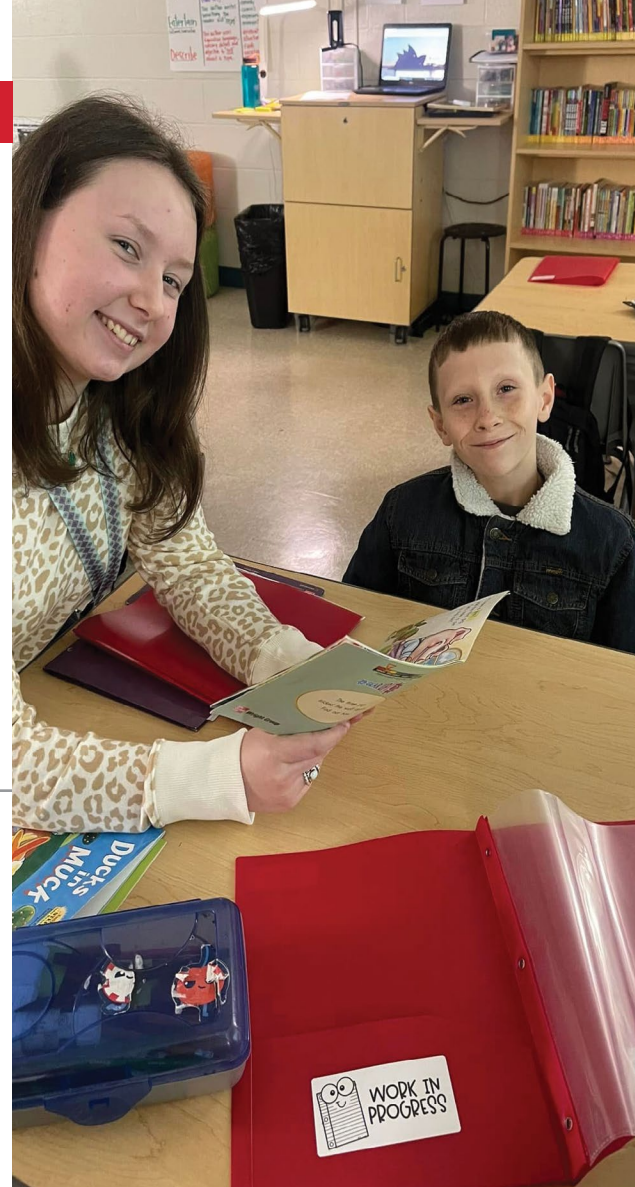
The Teaching and Training program of study prepares Career and Technical Education (CTE) learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.

**Level 4** Practicum in Education and Training

**Level 3** Instructional Practices

**Level 2** Human Growth and Development

**Level 1** Principles of Education and Training



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations   | Media Wage | Annual Openings | %Growth |
|---|------------|-----------------|---------|
| Adult Basic and Secondary Education and Literacy Teachers and Instructors | \$48,069   | 862             | 17%     |
| Middle School Teachers, Except Special and Career/Technical Education     | \$54,510   | 6407            | 15%     |
| Career and Technical Education Teachers, Secondary School                 | \$56,360   | 719             | 9%      |
| Special Education Teachers, Secondary School                              | \$56,720   | 980             | 18%     |

### High School Industry Certification

- Educational Aide I

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Teacher Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

#### Bachelor's Degree

- Bilingual & Multilingual Education
- Education, General (or specific subject area)
- Special Education
- Health & Physical Education/Fitness

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## COSMETOLOGY AND PERSONAL CARE SERVICES

*Regional Program of Study*

The Cosmetology and Personal Care Services program of study introduces Career and Technical Education (CTE) learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.

**Level 4** Cosmetology II/Lab

**Level 3** Cosmetology I/Lab

**Level 2** Introduction to Cosmetology

**Level 1** None



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations  | Media Wage | Annual Openings | %Growth |
|--|------------|-----------------|---------|
| First-Line Supervisors of Personal Service Workers | \$36,941   | 1634            | 24%     |
| Barbers  | \$28,267   | 348             | 14%     |
| Hairdressers, Hair Stylists, and Cosmetologists    | \$21,507   | 3,489           | 22%     |
| Manicurists and Pedicurists                        | \$21,715   | 418             | 45%     |
| Shampooers   | \$18,720   | 139             | 24%     |
| Skincare Specialists                               | \$26,437   | 637             | 22%     |

### High School Industry Certification

- Cosmetology Operator License
- Cosmetology Esthetician Specialty License
- Cosmetology Manicurist Specialty License

### POST HIGH SCHOOL OPPORTUNITIES:

#### Certificate/License

- Certified Aesthetic Laser Operator
- Cosmetologist
- Certified Spa Supervisor
- Nail Technician/Specialist and Manicurist

#### Associate Degree

- Cosmetology/Cosmetologist (General)
- Aesthetician/Esthetician and Skin Care Specialist
- Salon/Beauty Salon Management/Manager
- Cosmetology, Barber/Styling and Nail Instructor

## EXERCISE SCIENCE & WELLNESS

*Statewide Program of Study*

The Exercise Science and Wellness program of study introduces Career and Technical Education (CTE) learners to the fields that assist patients with maintaining physical, mental, and emotional health. Students will research diet and exercise needed to maintain a healthy, balanced lifestyle and learn about and practice techniques to help patients recover from injury, illness, or disease.

**Level 4** Project Based Research

**Level 3** Kinesiology II  
Anatomy and Physiology

**Level 2** Kinesiology I

**Level 1** Principles of Exercise and Wellness  
Lifetime Nutrition and Wellness

## THE MUSCULAR SYSTEM



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                  | Media Wage | Annual Openings | %Growth |
|------------------------------|------------|-----------------|---------|
| Athletic Trainers            | \$53,450   | 215             | 22%     |
| Exercise Physiologists       | \$41,662   | 33              | 33%     |
| Coaches and Scouts           | \$40,010   | 2,133           | 23%     |
| Dietitians and Nutritionists | \$57,762   | 428             | 24%     |
| Recreational Therapists      | \$45,906   | 74              | 24%     |

### High School Industry Certification

- Certified Personal Trainer
- Pre-Professional Certification in Nutrition, Food, and Wellness

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Physical Therapist Assistant
- Physical Therapy Aides
- Dietetic Technician

#### Bachelor's Degree

- Kinesiology and Exercise Science
- Therapeutic Recreation/ Recreational Therapy
- Athletic Training/ Trainer

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## HEALTHCARE THERAPEUTIC

*Statewide Program of Study*

The Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

**Level 4** Practicum in Health Science  
EKG workforce certificate (LSC)

**Level 3** Health Science Theory  
Anatomy & Physiology

**Level 2** Medical Terminology

**Level 1** Principles of Health Science



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations             | Media Wage | Annual Openings | %Growth |
|-------------------------|------------|-----------------|---------|
| Medical Assistants      | \$29,598   | 8,862           | 30%     |
| Surgical Technologists  | \$45,032   | 1,150           | 20%     |
| Dental Hygienists       | \$73,507   | 1,353           | 38%     |
| Physicians and Surgeons | \$213,071  | 1,151           | 30%     |
| Dental Assistants       | \$34,840   | 4,422           | 31%     |

### High School Industry Certification

- EKG Monitor Technician
- Certified Nurse Aide (CNA)

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Dental Hygienist
- Medical/Clinical Assistant

#### Bachelor's Degree

- Dental Hygienist

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## CULINARY ARTS

*Statewide Program of Study*

The Culinary Arts program of study introduces Career and Technical Education (CTE) learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.

**Level 4** Food Science  
Practicum in Culinary Arts

**Level 3** Advanced Culinary Arts

**Level 2** Culinary Arts

**Level 1** Principles of Hospitality and Tourism



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                | Media Wage | Annual Openings | %Growth |
|----------------------------|------------|-----------------|---------|
| Food and Beverage Managers | \$55,619   | 1,561           | 28%     |
| Chef and Head Cooks        | \$43,285   | 1,366           | 25%     |
| Food Science Technicians   | \$34,382   | 236             | 11%     |

### High School Industry Certification

- ServSafe Manager
- ServSafe Food Handlers

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Hotel and Restaurant Management
- Restaurant Culinary and Catering Management
- Hospitality Administration/Management, General
- Culinary Arts/ Chef Training

#### Bachelor's Degree

- Hotel and Restaurant Management
- Food Service Systems Administration/Management
- Hospitality Administration/Management, General
- Culinary Science and Food Service Management

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## LAW ENFORCEMENT

*Statewide Program of Study*

The Law Enforcement program of study teaches Career and Technical Education (CTE) learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.



**Level 4** Forensic Science  
Practicum in Law, Public Safety, Corrections  
and Security

**Level 3** Law Enforcement II

**Level 2** Law Enforcement I

**Level 1** Principles of Law, Public Safety, Corrections, and Security



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations  | Media Wage | Annual Openings | %Growth |
|--|------------|-----------------|---------|
| Police and Sheriff's Patrol Officers                   | \$60,112   | 5,241           | 13%     |
| Probation Officers and Correctional Treatment Officers | \$44,054   | 793             | 9%      |
| Correctional Officers and Jailers                      | \$40,186   | 4,683           | 9%      |
| Immigration and Customs Inspectors                     | \$78,104   | 1,236           | 9%      |
| First-Line Supervisors of Police and Detectives        | \$91,312   | 253             | 25%     |

### High School Industry Certification

No High School certification available.

### POST HIGH SCHOOL OPPORTUNITIES:

#### Certificate/License

- Non-Commissioned Security Officer Level II

#### Associate Degree

- Criminal Justice/Safety Studies/Law Enforcement Administration
- Criminal Justice/ Police Science
- Criminalistics and Criminal Science
- Corrections

#### Bachelor's Degree

- Criminal Justice/Safety Studies/Law Enforcement Administration
- Criminal Justice/Police Science
- Juvenile Corrections
- Cyber/ Computer Forensics and Counterterrorism

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## AIR FORCE JROTC

AFJROTC provides citizenship training and an aerospace science program for high school students. Students who enroll in the AFJROTC program are offered a wide variety of curricular and co-curricular activities. The program explores the historic and scientific aspects of aerospace technology and teaches high school students self-reliance, self-discipline, and other leadership characteristics. Science, technology, engineering, and mathematics (STEM) concepts are also an important part of this world-class program.

**Level 4** Leadership and management of the program

**Level 3** Train others and basics of leadership

**Level 2** Self improvement and skill development

**Level 1** Fundamentals of followership and self-discipline



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations   | Wage                                |
|---|-------------------------------------|
| Pilot   | Average Salary \$138,500 / year     |
| Pilot in command  | Average Salary \$300,00 / year      |
| Air traffic controllers   | Start from \$81,120 up to \$193,520 |
| Government Service (GS) Positions (Examples: Post Office, FEMA, NASA) | Salary from \$45,000 - \$180,000    |



#### Certificate of Completion:

AFJROTC Form 310, AFJROTC Certificate of Completion, will be awarded to all cadets for successful completion of 3 academic program years of AFJROTC with SASI concurrence.

#### Enlistment in the Armed Services -


Although the AFJROTC program isn't a recruiting program for the services, should a cadet desire to join a military branch, the cadet is given advanced enlistment at a higher grade, depending on the military branch.

For Air Force Enlistment, the cadet is awarded;

- 2 year completion of AFJROTC:  
Enlistment Grade E-2 Airman (Note 1)
- 3 year completion of AFJROTC:  
Enlistment Grade E-3 Airman First Class (Note 1)

College bound students can compete for an Air Force Academy nomination or an Air Force JROTC scholarship through their AFJROTC unit. Or they may receive credit for the first year of an AFJROTC four-year college program --- plus, free uniforms, insignia and AFJROTC textbooks.

Flight Academy – selected cadets can receive a \$40,000 scholarship to get pilot's license while in high school



# Science, Technology, Engineering & Mathematics (STEM) Endorsements

## Programming and

### Software Development ..... 21

Science, Technology, Engineering, and Mathematics (STEM) education is a method of hands-on teaching and learning where students learn to apply academic content by creatively solving real-world problems with innovative design-based thinking to prepare students for future career opportunities.

According to the U. S. Department of Commerce, STEM occupations are growing at 24%, while other occupations are growing at 4% and according to labor projections, Texas is expected to have the second-highest percentage of the nation's future STEM job opportunities.

STEM degree holders have a higher income even in non-STEM careers. Science, technology, engineering and mathematics workers play a key role in the sustained growth and stability of the U.S. economy, and are a critical component to helping the U.S. win the future. STEM education creates critical thinkers, increases science literacy, and enables the next generation of innovators.

Innovation leads to new products and processes that sustain our economy. This innovation and science literacy depends on a solid knowledge base in the STEM areas. It is clear that most jobs of the future will require a basic understanding of math and science.

## PROGRAMMING & SOFTWARE DEVELOPMENT

*Statewide Program of Study*

The Programming and Software Development program of study explores the occupations and educational opportunities associated with researching, designing, developing and testing operating systems level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying and testing the codes, forms, and script that allow computer applications to run.

**Level 4** Computer Science 3

**Level 3** Computer Science 2

**Level 2** Computer Science 1  
or Game Programming & Design

**Level 1** Fundamentals of Computer Science



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                          | Media Wage | Annual Openings | %Growth |
|--------------------------------------|------------|-----------------|---------|
| Software Developer, Systems Software | \$103,334  | 2,985           | 25%     |
| Software Developers, Application     | \$104,499  | 6,311           | 30%     |
| Computer Programmers                 | \$79,893   | 1,454           | 9%      |

### High School Industry Certification

- Certified Entry-Level Python Programmer (PCEP)

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Computer Programming/Programmer General
- Computer Software Engineer
- Computer Science
- Certified Software Analyst

#### Bachelor's Degree

- Management Information Systems, General
- Computer Software Engineer
- Computer Science
- Information Science/Studies

#### Master's/Doctoral Professional Degree

Additional degree opportunities available



# Business & Industry Endorsements

## Agriculture, Food & Natural Resources

|                      |    |
|----------------------|----|
| Animal Science ..... | 23 |
| Plant Science .....  | 24 |

## Architecture & Construction

|                            |    |
|----------------------------|----|
| Architectural Design ..... | 25 |
| Carpentry .....            | 26 |

## Arts, Audio/Video Technology & Communications

|                                       |    |
|---------------------------------------|----|
| Graphic Design & Multimedia Arts..... | 27 |
| Digital Communications .....          | 28 |

## Business, Marketing & Finance

|                                       |    |
|---------------------------------------|----|
| Accounting & Financial Services ..... | 29 |
| Marketing & Sales .....               | 30 |

## Manufacturing

|                                      |    |
|--------------------------------------|----|
| Advanced Manufacturing and Machinery |    |
| Mechanics .....                      | 31 |
| Manufacturing Technology.....        | 32 |
| Welding .....                        | 33 |

## Transportation, Distribution & Logistics

|                  |    |
|------------------|----|
| Automotive ..... | 34 |
|------------------|----|

## ANIMAL SCIENCE

### *Statewide Program of Study*

The Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches Career and Technical Education (CTE) learners how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

**Level 4** Advanced Animal Science, Practicum in Agriculture, Food, & Natural Resources, Veterinary Medical Applications/Lab

**Level 3** Livestock Production/Lab

**Level 2** Small Animal Management  
Equine Science

**Level 1** Principles of Agriculture, Food, and Natural Resources



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                        | Media Wage | Annual Openings | % Growth |
|------------------------------------|------------|-----------------|----------|
| Animal Breeders                    | \$39,135   | 28              | 9%       |
| Animal Scientists                  | \$57,533   | 22              | 12%      |
| Medical Scientists                 | \$63,898   | 435             | 27%      |
| Veterinarians                      | \$93,496   | 294             | 24%      |
| Zoologists and Wildlife Biologists | \$67,309   | 45              | 32%      |

### High School Industry Certification

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

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Food Science and Technology
- Veterinary Studies
- Biotechnology Laboratory Technician
- Biology Technician

#### Bachelor's Degree

- Animal Sciences
- Agriculture
- Biology
- Zoology/Animal Biology

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## PLANT SCIENCE

### *Statewide Program of Study*

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.



**Level 4** Advanced Floral Design, Practicum in Agriculture, Food, and Natural Resources

**Level 3** Floral Design/Lab

**Level 2** Greenhouse Operation and Production/Lab

**Level 1** Principles of Agriculture, Food, and Natural Resources



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                                   | Media 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%     |

### High School Industry Certification

- Texas State Florist's Association Knowledge Based Floral Certification
- Texas State Florist's Association Level I Floral Certification
- Texas State Florist's Association Level II Floral Certification

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Applied Horticulture/Horticulture Operations, General
- Ornamental Horticulture
- Agricultural Business and Management, General
- Turf and Turfgrass Management

#### Bachelor's Degree

- Applied Horticulture/Horticulture Operations, General
- Agronomy and Crop Science
- Agricultural Business and Management, General
- Turf and Turfgrass Management

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## ARCHITECTURAL DESIGN

### *Statewide Program of Study*

The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

**Level 4** Practicum in Architectural Design  
AutoCAD Certification (LSC)

**Level 3** Architectural Design II

**Level 2** Architectural Design I

**Level 1** Principles of Architecture



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                                   | Media Wage | Annual Openings | %Growth |
|---|------------|-----------------|---------|
| Architects                                    | \$77,043   | 808             | 16%     |
| Geographic Information Analysts and Surveyors | \$58,926   | 162             | 27%     |
| Architectural/ Civil Drafters                 | \$50,170   | 1,068           | 9%      |
| Construction Managers                         | \$87,402   | 2,401           | 14%     |

### High School Industry Certification

- AutoCAD Level 1 certificate through LSC-K

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Architecture
- Interior Design
- Civil Engineering, General
- Geographic Information Science and Cartography

#### Bachelor's Degree

- Architecture
- Interior Design
- Civil Engineering, General
- Geographic Information Science and Cartography

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## CARPENTRY

### *Statewide Program of Study*

The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.



**Level 4** Practicum in Construction Technology

**Level 3** Construction Technology II

**Level 2** Construction Technology I

**Level 1** Principles of Construction



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations     | Media Wage | Annual Openings | % Growth |
|-----------------|------------|-----------------|----------|
| Carpenters      | \$35,922   | 5,031           | 26%      |
| Cost Estimators | \$63,939   | 2,239           | 21%      |



### High School Industry Certification

- NCCER\* Carpentry, Level 1 & 2
- NCCER Commercial Carpenter
- NCCER Core
- NCCER Construction Technology Certification Level I

*\*National Center for Construction Education and Research*

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Carpentry/ Carpenter
- Industrial Mechanics and Maintenance Technology

#### Bachelor's Degree

- Construction Science

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## GRAPHIC DESIGN & MULTIMEDIA ARTS

### Statewide Program of Study

The Design and Multimedia Arts program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

**Level 4** Practicum in Graphic Design and Illustration  
Practicum in Commercial Photography  
Practicum in Animation

**Level 3** Graphic Design and Illustration II/Lab  
Commercial Photography II/Lab  
Advanced Video Game Programming

**Level 2** Graphic Design and Illustration I/Lab  
Commercial Photography I/Lab  
Video Game Programming

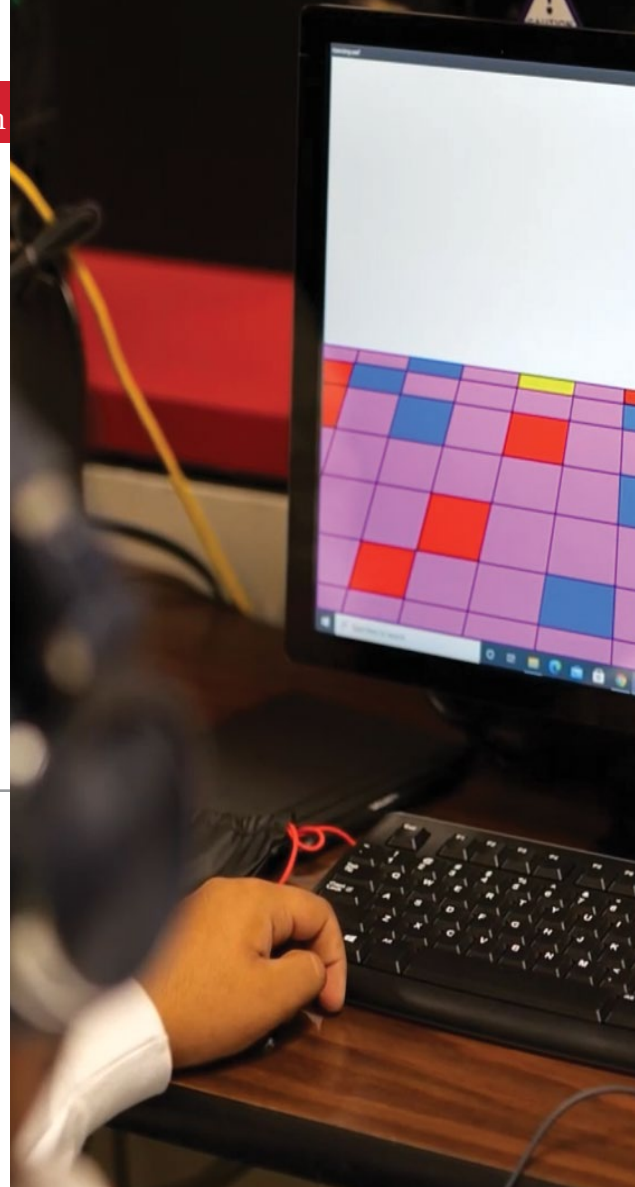
**Level 1** Principles of Arts, A/V Technology, and Communications  
Video Game Design



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                      | Media Wage | Annual Openings | %Growth |
|----------------------------------|------------|-----------------|---------|
| Graphic Designers                | \$44,824   | 1,433           | 15%     |
| Multimedia Artists and Animators | \$67,392   | 186             | 21%     |



### High School Industry Certification

- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Certified Professional Photographer

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Game and Interactive Media Design

#### Bachelor's Degree

- Animation, Interactive Technology Video Graphics and Special Effects
- Graphic Design
- Game and Interactive Media Design

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## DIGITAL COMMUNICATIONS

### *Statewide Program of Study*

The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

**Level 4** Practicum of Audio/Video Production

**Level 3** Audio Video Production II/Lab

**Level 2** Audio/Video Production I/Lab

**Level 1** Principles of Arts, A/V Technology, and Communications



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations  | Media Wage | Annual Openings | % Growth |
|--|------------|-----------------|----------|
| Sound Engineering Technicians                          | \$39,562   | 79              | 27%      |
| Camera Operators, Television, Video and Motion Picture | \$50,024   | 129             | 9%       |
| Audio and Video Equipment Technicians                  | \$40,581   | 757             | 29%      |
| Camera Operators, Television, Video and Motion Picture | \$47,382   | 118             | 23%      |

### High School Industry Certification

- Audio-Visual Communications - Job Ready

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television Broadcasting Technology/Technician
- Music Technology

#### Bachelor's Degree

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/ Journalism

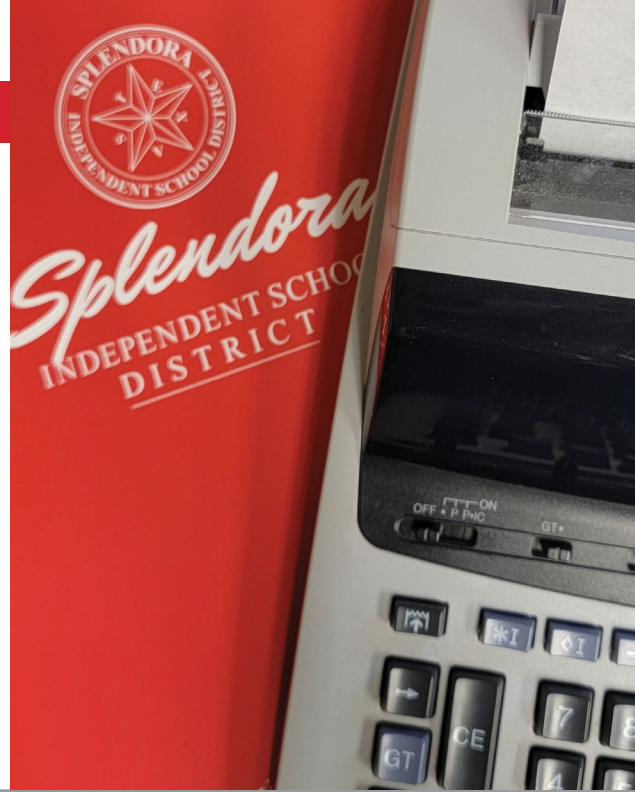
#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## ACCOUNTING & FINANCIAL SERVICES

### Statewide Program of Study

The Accounting and Financial Services program of study teaches Career and Technical Education (CTE) learners how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.



**Level 4** Practicum in Business Management

**Level 3** Accounting II

**Level 2** Accounting I

**Level 1** Principles of Business, Marketing, and Finance  
Money Matters

Level I certification classes through LSC:  
Bus. Computer App. (BCIS 1305)  
Prin. of Management (BMGT 1327)  
Federal Income Tax (ACNT 1331)  
Human Resources (HRPO 1311)

Level I certification classes through LSC:  
Intro to Accounting I (ACNT 1303)  
Computerized Acct. (ACNT 1311)



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                     | Media Wage | Annual Openings | %Growth |
|---------------------------------|------------|-----------------|---------|
| Accountants and Auditors        | \$71,469   | 14,436          | 22%     |
| Loan Officers                   | \$68,598   | 2,419           | 19%     |
| Personal Financial Advisors     | \$86,965   | 1,861           | 52%     |
| Administrative Service Managers | \$96,138   | 2,277           | 21%     |
| Insurance Underwriters          | \$66,206   | 594             | 14%     |

### High School Industry Certification

- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019)
- Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Real Estate
- Financial (General)
- Financial Planning and Services
- Certified Income Specialist

#### Bachelor's Degree

- Accounting
- Financial (General)
- Financial Planning and Services
- Certified Income Specialist

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## MARKETING & SALES

### Statewide Program of Study

The Marketing and Sales program of study teaches Career and Technical Education (CTE) learners how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.



#### Level 4 Advanced Marketing

#### Level 3 Sports and Entertainment Marketing II

#### Level 2 Sports and Entertainment Marketing I

#### Level 1 Principles of Business, Marketing, and Finance

Level I certification classes through LSC:  
Business Principles (BUSI 1301)  
Prin. of Management (BMGT 1327)

Level I certification classes through LSC:  
Info. & Proj. Mgmt. (BMGT 1309)  
Human Relations (HRPO 1311)  
Prob. Solv. & Decision Making (BMGT 2302)  
Bus. Computer Appl. (BCIS 1305)



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations   | Media Wage | Annual Openings | % Growth |
|---|------------|-----------------|----------|
| Marketing Research Analysts and Marketing Specialists | \$70,346   | 4,664           | 40%      |
| Insurance Sales Agent                                 | \$43,181   | 5,886           | 30%      |
| First-line Supervisors of Retail Sales Workers        | \$72,550   | 2,826           | 15%      |
| Wholesale and Retail Buyers                           | \$51,106   | 1,229           | 19%      |

### High School Industry Certification

- Entrepreneurship and Small Business

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Marketing/Marketing Management (General)
- Consumer Merchandising/Retailing Management
- International Marketing
- Business

#### Bachelor's Degree

- Marketing/Marketing Management (General)
- Business Administration
- Applied Economics
- Marketing Research

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## ADVANCED MANUFACTURING AND MACHINERY MECHANICS

### *Statewide Program of Study*

The Advanced Manufacturing and Machinery Mechanics program of study focuses on the assembly, operation, maintenance, and repair of electromechanical equipment or devices. CTE learners may work in a variety of mechanical fields, gaining knowledge and experience in robotics, refinery and pipeline systems, deep ocean exploration, or hazardous waste removal.

**Level 4** Practicum in Manufacturing  
Practicum in Entrepreneurship

**Level 3** Robotics II

**Level 2** Robotics I

**Level 1** Principles of Manufacturing  
Principles of Applied Engineering



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                    | Media Wage | Annual Openings | %Growth |
|--------------------------------|------------|-----------------|---------|
| Electro-Mechanical Assemblers  | \$30,160   | 951             | 9%      |
| Electro-Mechanical Technicians | \$56,555   | 127             | 9%      |
| Industrial Machinery Mechanics | \$49,816   | 3,788           | 27%     |

### High School Industry Certification

- C-101 Certified Industry 4.0 Associate - Basic Operations

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Electromechanical Engineering/Technology
- Certified Quality Technician
- Industrial Mechanics and Maintenance Technology

#### Bachelor's Degree

- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## MANUFACTURING TECHNOLOGY

### Statewide Program of Study

The Manufacturing Technology program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. Career and Technical Education (CTE) learners will learn how to set up and operate a variety of machine tools to produce precision parts and instruments. Students will also learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.



**Level 4** Practicum in Manufacturing Precision Metal Manufacturing II/Lab

**Level 3** Metal Fabrication and Manufacturing II

**Level 2** Metal Fabrication and Manufacturing I

**Level 1** Principles of Manufacturing

Level 1 certificate classes through LSC:  
Basic Machine Shop 1 (MCHN 1338)  
Intermediate Machining I (MCHN 1352)

Level 1 certificate classes through LSC:  
Print Reading for Machine Trades (MCHN 1302)  
Machine Shop Mathematics (MCHN 1343)



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations  | Media Wage | Annual Openings | %Growth |
|--|------------|-----------------|---------|
| Mechanical Engineering Technicians                 | \$57,117   | 453             | 9%      |
| CNC Machine Operators                              | \$39,250   | 1,319           | 12%     |
| Aerospace Engineering and Operations Technicians   | \$60,757   | 114             | 9%      |
| Electrical and Electronics Engineering Technicians | \$60,382   | 1,439           | 9%      |
| Industrial Engineering Technicians                 | \$61,672   | 326             | 9%      |

### High School Industry Certification

- LSC-K Level I Machining Certification
- NCCER\* Core

\*National Center for Construction Education and Research

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Welding Technology/ Welder
- Machine Shop Technology/ Assistant
- Operations Management and Supervision
- Occupational Safety and Health Technology/ Technician

#### Bachelor's Degree

- Welding Engineering Technology/Technician
- Biomedical Technology/ Technician
- Operations Management and Supervision
- Environmental Health

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## WELDING

*Statewide Program of Study*

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. Career and Technical Education (CTE) learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.



**Level 4** Practicum in Manufacturing,

**Level 3** Welding II/Lab

**Level 2** Welding II

**Level 1** Introduction to Welding



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations  | Media Wage | Annual Openings | % Growth |
|--|------------|-----------------|----------|
| Welders, Cutters, Solderers, and Brazers                             | \$41,350   | 6,171           | 9%       |
| Welding Soldering and Brazing Machine Setters, Operators and Tenders | \$40,040   | 280             | 9%       |

### High School Industry Certification

- AWS\* D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- NCCER\*\* Core

\*American Welding Society

\*\*National Center for Construction Education and Research

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Certified Welder or Welder Inspector
- Machine Shop Technology/ Assistant
- Operations Management and Supervision
- Occupational Safety and Health Technology/ Technician

#### Bachelor's Degree

- Welding Engineering Technology/Technician
- Biomedical Technology/Technician
- Operations Management and Supervision
- Environmental Health

#### Master's/Doctoral Professional Degree

Additional degree opportunities available

## AUTOMOTIVE

### *Statewide Program of Study*

The Automotive program of study teaches Career and Technical Education (CTE) learners how to repair and refinish automobiles and service various types of vehicles. CTE learners may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.



**Level 4** Practicum in Transportation Systems

**Level 3** Paint and Refinishing/Lab

**Level 2** Collision Repair/Lab

**Level 1** Basic Collision Repair and Refinishing



## LEARN MORE...

### Career Opportunities and Sample Projected Incomes

| Occupations                                 | Media Wage | Annual Openings | %Growth |
|---|------------|-----------------|---------|
| Automotive Body and Related Repairers       | \$40,144   | 1,456           | 25%     |
| Automotive Service Technician and Mechanics | \$38,459   | 5,557           | 18%     |

### High School Industry Certification

- ASE\* Entry-Level Collision Painting and Refinishing (PR)
- ASE Entry-Level Collision Structural Analysis and Damage Repair
- ASE Refrigerant Recovery and Recycling

\*Automotive Service Excellence

### POST HIGH SCHOOL OPPORTUNITIES:

#### Associate Degree

- Autobody/Collision and Repair Technology/Technician
- Medium/Heavy Vehicle and Truck Technology/Technician
- Mechanical Engineering/ Mechanical Technology/ Technician

#### Bachelor's Degree

- Mechanical Engineering/Mechanical Technology/Technician

#### Master's/Doctoral Professional Degree

Additional degree opportunities available



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Splendorra Independent School District offers career and technical education programs in Agriculture, Food & Natural Resources, Architecture & Construction, Arts, Audio Visual & Communication, Business Management and Administration, Manufacturing, Transportation, Distribution & Logistics, Education & Training, Health Sciences, Hospitality & Tourism, Human Services, STEM and Law, Public Service. Admission to these programs is based on student interest and what career pathway they may choose.

It is the policy of Splendorra ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973 as amended.

It is the policy of Splendorra ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; Section 504 of the Rehabilitation Act of 1973, as amended.

Splendorra ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, Dianna Archer, at 23747 FM 2090, Splendorra, Texas, 77372, (281) 689-8008.