



**MARSHALL INDEPENDENT SCHOOL DISTRICT**

**2022-2024**

PROGRAMS OF STUDY

**GUIDEBOOK**



**PRESENTED BY:**  
REGION 7 EDUCATION SERVICE CENTER  
**CAREER & TECHNICAL  
EDUCATION**





The high school experience is an exciting step as you begin to explore the pathways that will take you on your life's journey after you graduate. The Career & Technical Education (CTE) Programs of Study guidebook will help you make wise and thoughtful decisions that will put you in the best position for success in your world after high school.

Parents and students are urged to carefully review the information contained in this guide and to work closely with school counselors to develop a quality personal graduation plan. The guidebook showcases the endorsements available and highlights the Career & Technical Education (CTE) programs of study.

High school is about preparing for life after graduation. The experiences you gain through CTE courses will provide opportunities to obtain valuable knowledge about specific programs of study that interest you. Marshall ISD offers a wide variety of CTE course offerings that will help you explore your desired career opportunities and certification programs designed to prepare you for life after high school.

It is important to know that in our global society, and with your qualifications and experiences, you will no longer just be competing with your friends and neighbors here in Marshall or Harrison County. You need to be prepared to be compared and measured against competitors for jobs locally, across our nation, and from around the world. Our goal is to provide you with a world-class education that positions you for success beyond your senior year.

Explore the guidebook and ask questions of your parents, teachers, and counselors, so that you can find the program that will best fit your needs and help you meet your educational goals. Now is the time to dream and explore the possibilities that life holds. We wish you all the best of luck on this exciting time in your life.

***“The best way to predict your future is to create it.” - Abraham Lincoln***

# TABLE CONTENTS

Marshall ISD's Program of Study Guidebook is designed to help students and parents make informed decisions about planning for the future. What is included here is a great start to that process! This guide provides information about the high school graduation requirements and descriptions of endorsements, programs of study, and courses. We have included career and education requirements, necessary certifications and licensure options for various occupations. Be sure to contact your student's campus to speak with the student advisor about the important decisions that you and your student will be making.

Planning Your High School Program .....	5
High School Graduation Requirements .....	6-7
Academic Recognitions .....	8-10
Additional Graduation Information .....	11
Exit Level Test Requirements .....	11
Career Technical Education (CTE) .....	12-13
TJC Career Cluster Interest Inventory & Goal Setting .....	14-17
<b>Agriculture</b> .....	18-19
<b>Arts, A/V Technology, &amp; Communications</b> .....	20-21
<b>Business</b> .....	22-23
<b>Cosmetology</b> .....	24-25
<b>Education</b> .....	26-27
<b>Health Science</b> .....	28-29
<b>Hospitality</b> .....	30-31
<b>Law &amp; Public Service</b> .....	32-33
<b>Manufacturing</b> .....	34-35
<b>STEM</b> .....	36-37
<b>Transportation</b> .....	38-39
Mav Tech .....	40-47
MJHS Course Offerings .....	48
Personal Graduation Plan .....	49

*This catalog is a guide based on information as of March 2022. There could be changes that affect course offerings: the status of advanced courses, graduation requirements, and other information related to graduation. If changes are required, those changes will be made and approved by one of the following: Texas Legislature, Texas Education Agency, or the Marshall School Board of Trustees. This document may be updated to meet changing state requirements as needed. It is the policy of Marshall 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.*



# PLANNING



## HIGH SCHOOL PROGRAM



Planning a four-year high school program is a serious undertaking. The selection of your graduation plan is dependent on your interests and plans for future careers. Some questions to consider when making your plans are the following:

- Will you continue your education at a university, college or in a trade or technical school?
- Do you want to learn academic or career skills in order to enter full-time work force immediately after high school?
- Are you interested in mathematics, science, technology, engineering, or any other specialized field of study?
- Are you thinking of entering a profession that requires specialized education, such as teaching, medicine, or law?

The answers to these questions are extremely important when making decisions about your course selections for all four years in high school. Take some time to answer the questions before you begin. Your interests and desire to work hard should also guide your answers. It is common for young people to change their minds about which course of study or career choice will be; others are still considering their options. As you consider your options, immediate decisions regarding your graduation plans will affect your future career choices. For that reason, we recommend that you plan a diverse and challenging academic program. By taking the most diverse and most challenging academic program available to you, your options will remain open in the event your career plans should change.

Marshall ISD offers many ways to prepare for your future - to make certain that you have options. A wide range of programs prepare students for post-high school experiences, college, business school, technical school, military service, fine arts participation, and full-time employment. Additional areas are made available through the high school experience.

*The programs offered allow a student to choose the high school program best for him/her. Outlined on the following pages are the graduation requirements for each of the state's graduation programs. Counselors and teachers will be helpful in advising you more specifically about programs offered.*

# HIGH SCHOOL GRADUATION REQUIREMENTS

## STUDENTS ENTERING HIGH SCHOOL IN 2022-2024

During each year in high school at MISD, it is the expectation that all students enroll and complete the four core subject areas. This excludes courses taken for high school credit in middle school. Parents and students are encouraged to carefully consider college entrance requirements and career readiness standards set by institutions of higher education.

## FOUNDATION WITH ENDORSEMENT PROGRAM

### Foundation

Basic course credits that all students must complete.



### Endorsement

Additional credits required to pursue college and career. It is our goal that all students will achieve a foundation plus endorsement graduation program.



# HIGH SCHOOL GRADUATION REQUIREMENTS

FOUNDATION HIGH SCHOOL PROGRAM	FOUNDATION HIGH SCHOOL PROGRAM WITH ENDORSEMENTS	FOUNDATION HIGH SCHOOL PROGRAM WITH ENDORSEMENTS DISTINGUISHED LEVEL OF ACHIEVEMENT
23 CREDITS	28 CREDITS	28 CREDITS
4 Credits English - ELA I, II, III, one credit in any advanced English course	4 Credits English - ELA I, II, III, one credit in any advanced English course	4 Credits English - ELA I, II, III, one credit in any advanced English course
3 Credits Mathematics - Algebra I, Geometry, one credit in any advanced math course	4 Credits Mathematics - Algebra I, Geometry, and two credits in any advanced math course	4 Credits Mathematics - Algebra I, Geometry, Algebra II, one credit in any advanced math course
3 Credits Science - Biology, Chemistry or advanced science course, plus one additional advanced science course	4 Credits Science - Biology, Chemistry, plus two additional advanced courses	4 Credits Science - Biology, Chemistry, plus two additional advanced courses
3 Credits Social Studies - World Geography, World History, US History, Gov't (.5), Economics (.5)	3 Credits Social Studies - World Geography, World History, US History, Gov't (.5), Economics (.5)	4 Credits Social Studies - World Geography, World History, US History, Gov't (.5), Economics (.5)
2 Credits Language other than English in the same language	2 Credits Language other than English in the same language	2 Credits Language other than English in the same language
1 Credit Physical Education	1 Credit Physical Education	1 Credit Physical Education
1 Credit Fine Arts	1 Credit Fine Arts	1 Credit Fine Arts
.5 Credit Financial Literacy (\$ Sense)	.5 Credit Financial Literacy (\$ Sense)	.5 Credit Financial Literacy (\$ Sense)
.5 Credit Professional Communications	.5 Credit Professional Communications	.5 Credit Professional Communications
4 Credits in Electives	7 Credits in Electives	7 Credits in Electives
1 Local Credit	1 Local Credit	1 Local Credit

# ACADEMIC RECOGNITIONS

Students have the opportunity to earn additional recognitions in the following areas:

## DISTINGUISHED LEVEL OF ACHIEVEMENT

The Distinguished Level of Achievement opens a world of educational and employment opportunities for you beyond high school. Earning the Distinguished Level of Achievement requires more math and more science than the Foundation High School Program.

**The Distinguished Level of Achievement (DLA) will:**

- Allow a student to compete for Top 10% automatic admissions eligibility at any Texas public university, except University of Texas which has more stringent admission requirements;
- Ensure the student is a more competitive applicant at the most selective colleges and universities

**The Distinguished Level of Achievement Requires:**

- A total of 26 graduation credits
- Algebra II
- Successful completion of at least one endorsement in the student's area of interest

## PERFORMANCE ACKNOWLEDGEMENTS

*There are four ways a student may earn the acknowledgment for outstanding performance by successfully completing the following:*

### **1. Dual Credit**

A student may earn a performance acknowledgement on the student's diploma and transcript for outstanding performance in a dual credit course by successfully completing:

- 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0 or
- An Associate degree while in high school

### **2. Bilingualism and Biliteracy**

A student may earn a performance acknowledgement on the student's transcript for outstanding performance in Bilingualism and Biliteracy as follows:

- A student may earn a performance acknowledgement by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

*Completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and*



- Satisfying one of the following:

*Completion of a minimum of three credits in the same language in a language other than English with a minimum GPA equivalent to 80 on a scale of 100; or*

*Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA equivalent to 80 on a scale of 100; or*

*Completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or*

*Demonstrated proficiency in one or more languages other than English through one of the following methods:*

- A score of 3 or higher on a College Board Advanced Placement examination for a language other than English; or
- A score of 4 or higher on an International Baccalaureate examination for higher-level languages other than English course; or
- Performance on a national assessment of language proficiency in a language other than English of at least intermediate high or its equivalent.

- In addition to meeting the requirements of paragraph (1) of this subsection, to earn a performance acknowledgement in Bilingualism and Biliteracy, an English language Learner must also have:

*Participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and*

*Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).*

### **3. Outstanding Performance on College Entrance Exams**

A student may earn a performance acknowledgement on the student's diploma and transcript for outstanding performance on the PSAT, the ACT-Aspire, the SAT, or the ACT, by:

- Earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognitions Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation
- Achieving the college readiness benchmark score on at least two of the four subject tests on the ACT-Aspire examination
- Score of at least 1310 combined score of the evidence-based writing and mathematics on the SAT
- Earning a composite score on the ACT examination of 28 (excluding the writing sub score)

#### **4. Professional License or Certifications**

A student may earn a performance acknowledgement on the student's diploma and transcript for earning a nationally or internationally recognized business or industry certification or license with:

- Performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification or
- Performance on an examination or series of examination sufficient to obtain a government-required credential to practice a profession

Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular professional or occupation that is issued by or endorsed by:

- A national or international business, industry, or professional organization
- A state agency or other government entity or
- A state-based industry association

Certifications or licensures for performance acknowledgements shall:

- Be age appropriate for high school students
- Represent a student's substantial course of study and/or end-of-program knowledge and skills
- Include an industry recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience and
- Represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.

## **ENDORSEMENTS**

Students will be able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students must select an endorsement in the ninth grade. Districts and charters are not required to offer all endorsements. If only one endorsement is offered, it must be multi-disciplinary studies.

# ADDITIONAL GRADUATION INFORMATION

## IMPORTANT ENDORSEMENT INFORMATION

- All endorsements require the completion of four (4) math and four (4) science credits.
- Endorsements are originally decided in 8th grade and must be declared in writing.
- Students have until their sophomore year to change endorsements.

## PERSONAL GRADUATION PLAN

Each student will have a 4-year Personal Graduation Plan created during the spring of 8th grade with the help of his/her academic advisor.

Parent participation is VITAL! Parents should meet with their child's academic advisor to discuss the plan and are required to approve the plan in writing before students register for their high school courses.

Each year after, the PGP will be revised as needed with the student, parent, and advisor, according to the student's interests and needs.

## EXIT LEVEL TEST REQUIREMENTS

Students who entered 9th grade in 2011-2012 and thereafter will take the State of Texas Assessments of Academic Readiness (STAAR). This assessment will replace the Texas Assessment of Knowledge and Skills (TAKS). Students take the assessments when they complete the course.

For additional information on requirements for STAAR and End of Course, please visit [www.tea.state.tx.us/studentassessment/staar](http://www.tea.state.tx.us/studentassessment/staar).



### English Language Arts

- English I
- English II

### Math

- Algebra I

### Science

- Biology

### Social Studies

- U.S. History

# CAREER & TECHNICAL EDUCATION (CTE)



## EXPLORING YOUR CAREER OPTIONS

If you are considering going straight into the workforce or into a technical training program following graduation, you still need to complete your high school education and earn a high school diploma.

Participation in CTE programs increase wages, probability and consistency of employment, and leads to higher quality jobs. CTE WORKS!

### While in high school, you will want to:

**Look** at the five endorsements offered under the Foundation High School Program

**Determine** your area of interest

**Complete** your selected endorsement along with the required foundation program to earn your high school diploma

**Learn** about available jobs, and any required post-high school or technical training

**Explore** new career opportunities

**Research** wage and occupation information, required levels of education and training requirements

**Discover** your interests and abilities, use labor market resources at [www.texasrealitycheck.com](http://www.texasrealitycheck.com) or [www.texascaresonline.com/hotshots/hotshotslists.asp](http://www.texascaresonline.com/hotshots/hotshotslists.asp)





# ENDORSEMENT CHOICES

Career and technical education programs offer a sequence of courses that provide students with coherent and rigorous content. CTE content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions.

## BUSINESS & INDUSTRY ENDORSEMENT

Includes highly varied occupations in both service and manufacturing industries. These endorsements range from industrial and technical trades, business, marketing & finance, graphic design occupations, as well as information technology.

### **Programs of Study Include:**

- Accounting & Financial Services
- Animal Science
- Applied Agricultural Engineering
- Automotive Technology
- Business Management
- Culinary Arts
- Design & Multimedia Arts
- Digital Communications
- Welding

## PUBLIC SERVICES ENDORSEMENT

Includes service-oriented occupations for both private and public sector industries, including human service and healthcare fields.

### **Programs of Service Include:**

- Cosmetology
- Exercise Science & Wellness
- Health Therapeutic Services
- Law Enforcement
- Teaching & Training

## STEM ENDORSEMENT

### **Programs of Service Include:**

- Engineering

## CAREER CLUSTER INTEREST INVENTORY

Consider how you like to spend your time and what you think is interesting. Rate each activity according to your interest level with a 0, 1 or 2. Add the numbers in each box. The highest totals reveal the career fields in which you are most interested. Circle 3 boxes with the highest totals to research for specific jobs.

- ☐ Provide medical care for sick or injured people
- ☐ Learn/read about healthcare topics
- ☐ Deal with bodily fluids
- ☐ Work in a hospital, ER or clinical environment
- ☐ Assist with medical procedures/operations
- ☐ Perform first aid in an emergency situation

☐ **TOTAL FOR HEALTH SCIENCE CAREERS**

- ☐ Farming with vegetables, fruits or plants
- ☐ Spend time at state parks
- ☐ Spend time caring for the environment
- ☐ Ranching/raising animals
- ☐ Provide daily care for animals
- ☐ Provide medical care for animals

☐ **TOTAL FOR AGRICULTURAL CAREERS**

- ☐ Work in a creative/competitive environment
- ☐ Budget, track, oversee funds and expenditures
- ☐ Use information technology programs
- ☐ In charge of committees and people
- ☐ Develop and present information and campaigns
- ☐ Provide customer service

☐ **TOTAL FOR BUSINESS/FINANCE/MARKETING CAREERS**

- ☐ Tutor, instruct and help others learn
- ☐ Assist others with technology, academics and skills
- ☐ Present information to a group
- ☐ Manage a classroom or group
- ☐ Work in a group or classroom setting
- ☐ Plan curriculum and materials for a group

☐ **TOTAL FOR EDUCATION AND TRAINING CAREERS**

- ☐ Enjoys food prep, cooking, baking, serving, tourism or hospitality activities
- ☐ Oversee recreation or manage a hotel/restaurant
- ☐ Cosmetology, barbering or spa services
- ☐ Work with public and support their needs
- ☐ Plan educational or rec activities, trips or services
- ☐ Provide guided tours or lessons, instruction or service

☐ **TOTAL FOR HOSPITALITY, TOURISM AND RECREATIONAL CAREERS**

- ☐ Learn about scientific events and topics
- ☐ Visit museums, planetariums or tech forums
- ☐ Study elements of numbers or computers
- ☐ Perform experiments, projects or figure equations
- ☐ Study space, motion, chemicals, elements, numbers or coding
- ☐ Excel in comparison to peers in science, technology, engineering and math (STEM) areas

☐ **TOTAL FOR SCIENCE, ENGINEERING AND MATH CAREERS**

- ☐ Coordinate services or assistance for others
- ☐ Provide counseling or guidance
- ☐ Listen and care about others' difficulties
- ☐ Provide solutions to others' difficulties
- ☐ Learn about human behavior and life stages
- ☐ Work with families and/or children

☐ **TOTAL FOR HUMAN SERVICES CAREERS**

- ☐ Write/read virtual information, articles or reviews
- ☐ Utilize talents to communicate info to others
- ☐ Attend public events or perform in them
- ☐ Create media projects, campaigns or productions
- ☐ Dancing, acting, singing, painting, sculpting or creating
- ☐ Gaining inspiration from graphics, art or other media elements

☐ **TOTAL FOR ARTS AND COMMUNICATION CAREERS**



- \_\_\_ Repair computers or devices
- \_\_\_ Develop or install computer programming
- \_\_\_ Design apps or webpages
- \_\_\_ Learn about cybersecurity or computer systems
- \_\_\_ Utilize computer animation and graphics
- \_\_\_ Design graphic layouts with computer programs

\_\_\_ **TOTAL FOR INFORMATION TECHNOLOGY CAREERS**

- \_\_\_ Safely operate equipment and industrial tools
- \_\_\_ Weld or build items/projects to standard code
- \_\_\_ Remodel or build according to blueprints
- \_\_\_ Use computer software to create designs
- \_\_\_ Able to perform construction math
- \_\_\_ Oversee purchase/use of project materials

\_\_\_ **TOTAL FOR ARCHITECTURE AND CONSTRUCTION CAREERS**

- \_\_\_ Awareness of effects and causes of the energy industry market's status
- \_\_\_ Use physical labor to work on natural energy sites
- \_\_\_ Learn about the equipment/process related to energy
- \_\_\_ Comply with inspection requirements at sites
- \_\_\_ Run or be a part of a crew related to an energy site

\_\_\_ **TOTAL FOR ENERGY AND NATURAL RESOURCES CAREERS**

- \_\_\_ Set up or repair electrical controls/wiring
- \_\_\_ Fix appliances, electrical monitors or electronics
- \_\_\_ Build robots/electronic devices
- \_\_\_ Make or use blueprints/instructions
- \_\_\_ Operate machinery
- \_\_\_ Work with hands-on tools and items

\_\_\_ **TOTAL FOR MANUFACTURING CAREERS**

- \_\_\_ Learn about city, state or federal laws/policies
- \_\_\_ Enforce or perform methods that serve the public
- \_\_\_ Protect and/or serve the public over yourself
- \_\_\_ Write reports that document public services given
- \_\_\_ Learn about historical court cases
- \_\_\_ Use technology equipment related to public service

\_\_\_ **TOTAL FOR LAW ENFORCEMENT AND PUBLIC SERVICE CAREERS**

- \_\_\_ Work on vehicles, boats, planes or equipment
- \_\_\_ Arrange transportation of products or people
- \_\_\_ Drive vehicles, boats, planes or equipment
- \_\_\_ Learn about computers used to repair vehicles
- \_\_\_ Personally deliver products or items
- \_\_\_ Drive heavy equipment or lifts

\_\_\_ **TOTAL FOR TRANSPORTATION AND DISTRIBUTION/LOGISTICS CAREERS**

## REFLECTION QUESTIONS

- List your three highest-ranking career fields below.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

- Within those career fields, what specific jobs are you interested in? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## GOAL SETTING

Student's name: \_\_\_\_\_

### THINGS TO THINK ABOUT

- ☐ Review your results from all your inventories
- ☐ The reason I am interested in this program of study is \_\_\_\_\_
- ☐ Research two programs of study using the charts and resources provided

[www.texasrealitycheck.com](http://www.texasrealitycheck.com) [www.texascareercheck.com](http://www.texascareercheck.com) [www.careeronestop.org/videos](http://www.careeronestop.org/videos) [www.txcrews.org](http://www.txcrews.org)

#### CHOICE #1

Program of study: \_\_\_\_\_

Specific job in the future: \_\_\_\_\_

Does it match your values, strengths and interests?

☐ Yes ☐ No

Wage per year? \_\_\_\_\_

Will it provide the lifestyle you want?

☐ Yes ☐ No

How many job openings were in this career last year in the area you want to live in? \_\_\_\_\_

How many years/months of education required after high school? \_\_\_\_\_

What college major or certificate will it require?

With whom can you talk to gain more information?

Where can you get this degree/certificate?

Other information: \_\_\_\_\_

#### CHOICE #2

Program of study: \_\_\_\_\_

Specific job in the future: \_\_\_\_\_

Does it match your values, strengths and interests?

☐ Yes ☐ No

Wage per year? \_\_\_\_\_

Will it provide the lifestyle you want?

☐ Yes ☐ No

How many job openings were in this career last year in the area you want to live in? \_\_\_\_\_

How many years/months of education required after high school? \_\_\_\_\_

What college major or certificate will it require?

With whom can you talk to gain more information?

Where can you get this degree/certificate?

Other information: \_\_\_\_\_

### FINAL REFLECTION

☐ What are your next steps? \_\_\_\_\_

☐ What are your goals? \_\_\_\_\_

“CTE classes helped me develop a new appreciation for learning about new subjects.” Josh, TJC student

[illegible]



**MARSHALL**  
INDEPENDENT SCHOOL DISTRICT

CAREER & TECHNICAL EDUCATION

# AGRICULTURE

The Agriculture program of study explores occupations and educational opportunities associated with the business of farming and agricultural-related businesses that include farm inputs, such as machinery and seeds. This program of study may also include exploration into the marketing of farm products, the purchase of farm products either for further processing or resale, and grading or classifying unprocessed food or other agricultural products.

*Texas leads the nation in number of farms and ranches, with 248,416 farms and ranches covering 127 million acres.*



## CAREERS

### SALARIES

Agricultural Advertising and Promotions Managers

**\$94,515**

Farmers, Ranchers, and Other Agricultural Managers

**\$59,134**

### OPPORTUNITIES

Farm and Ranch Loan Officers

Agricultural Analyst

Farm Manager

### QUALIFICATIONS

4-Year Degree

Advanced Degree

Certificate/License



# 2022-2024

## ANIMAL SCIENCE /

## APPLIED AGRICULTURAL ENGINEERING

### PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	ANIMAL SCIENCE	APPLIED AGRICULTURAL ENGINEERING
1	Principles of Agriculture, Food, & Natural Resources (8th or 9th Grade)	
2	Small Animal Management / Equine Science	Agriculture Mechanics & Metal Technologies / Lab
3	Livestock Production / Lab	Agricultural Structures, Design & Fabrications / Lab
4	Veterinary Medical Applications / Lab	Agricultural Power Systems
5	Advanced Animal Science  Practicum in Agriculture, Food, & Natural Resources	Agricultural Equipment Design & Fabrication / Lab
<i>Students enrolled in an AG related program of study can take Floral Design for an Art Credit</i> <i>Certifications: Floral Design Basic Knowledge, NCCER Core Curriculum</i>		

*Specific course offerings and availability are subject to change due to interest and enrollment. It is the policy of Marshall Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in career and technical education programs, services, or activities.*



**MARSHALL**  
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## CAREER & TECHNICAL EDUCATION **ARTS, A/V TECHNOLOGY, & COMMUNICATIONS**

The Arts, A/V Technology and Communications (AAVTC) Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

*According to the U.S. Bureau of Labor Statistics, multimedia artists and animators held 28,560 positions across the country in 2018.*



## CAREERS

### SALARIES

Graphic Designers  
**\$44,824**

Multimedia Artists  
& Animators  
**\$67,392**

### OPPORTUNITIES

Graphic Designer

Animation, Interactive  
Technology, Video Graphics &  
Special Effects

Game & Interactive  
Media Design

### QUALIFICATIONS

4-Year Degree

Advanced Degree

2-Year Degree



# 2022-2024

# DESIGN & MULTIMEDIA ARTS / DIGITAL COMMUNICATIONS

PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	DESIGN & MULTIMEDIA ARTS	DIGITAL COMMUNICATIONS
1	Video Game Design	Principles of Arts Audio/Video Technology & Communications
2	Game Programming & Design	Audio/Video Production I / Lab
3	Advanced Video Game Programming	Audio/Video Production II / Lab
4	Practicum in Graphic Design & Illustration	Practicum in Audio/Video Production
<i>Certifications: Adobe Certified Associate - Adobe Photoshop, Adobe Premiere Pro</i>		

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**MARSHALL**  
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## CAREER & TECHNOLOGY EDUCATION

# BUSINESS

The Business Management program of study teaches students how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.

*Individuals with a background in business education have a wide variety of employment opportunities in today's workforce.*



## CAREERS

### SALARIES

Administrative Service Managers

**\$96,138**

Management Analysts

**\$87,651**

Supervisors of Administrative  
Support Workers

**\$57,616**

### OPPORTUNITIES

Administrative Service  
Manager

Management Analyst

Operations Research Analyst

### QUALIFICATIONS

4-Year Degree

Advanced Degree

Certificate/License

# 2022-2024

# ACCOUNTING & FINANCIAL SERVICES / BUSINESS MANAGEMENT

PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	ACCOUNTING & FINANCIAL SERVICES	BUSINESS MANAGEMENT
1	Principles of Business Marketing & Finance	Business Information Management I
2	Accounting I	Business Information Management II
3	Accounting II	Accounting I
4	Practicum in Business Management	Accounting II  Practicum in Business Management
<p style="text-align: center;"><i>Certifications: Microsoft Office Specialist (MOS) Word, Excel, and PowerPoint, Intuit Quickbooks Certified User</i></p>		

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INDEPENDENT SCHOOL DISTRICT

## CAREER & TECHNOLOGY EDUCATION

# COSMETOLOGY

In Cosmetology, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.



## CAREERS

### SALARIES

Hairdressers, Hairstylists,  
& Cosmetologists

**\$21,507**

Skin Care Specialists

**\$26,437**

Manicurists/Pedicurists

**\$21,715**

### OPPORTUNITIES

Salon/Beauty Salon  
Management/Manager

Certified Spa Supervisor

Nail Technician/Cosmetologist

### QUALIFICATIONS

2-Year Degree

Certificate/License

Certificate/License

# 2022-2024 COSMETOLOGY

PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	COSMETOLOGY
1	Introduction to Cosmetology
2	Cosmetology I / Lab
3	Cosmetology II / Lab
4	Nail Care Enhancements & Spa Services
<i>Certification: TDLR - Cosmetology Operator License</i>	

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**MARSHALL**  
INDEPENDENT SCHOOL DISTRICT

## CAREER & TECHNICAL EDUCATION

# EDUCATION

Students pursuing specialized careers in the Education Pathway will gain knowledge in planning, managing and providing education and training services, and related learning support services. The Teaching and Training program of study prepares students for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE concentrators 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.

*Employment of education, training, and library occupations is projected to grow 9% from 2016 to 2026.*



## CAREERS

### SALARIES

Education Administrators

**\$72,950**

Teacher

**\$45,738 - \$55,502**

Media Specialist

**\$53,753**

### OPPORTUNITIES

Education Administration

School Counselor

Educational Aide

Pre-School Teacher

### QUALIFICATIONS

4-Year Degree

Advanced Degree

Certification & HS Diploma

On-the-Job Training

# 2022-2024

# TEACHING & TRAINING

## PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	TEACHING & TRAINING
1	Principles of Education & Training
2	Human Growth & Development
3	Instructional Practices
4	Practicum in Education & Training
Certification: Educational Aide I	

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**MARSHALL**  
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## CAREER & TECHNICAL EDUCATION

# HEALTH SCIENCE



Students pursuing specialized careers in health fields or opportunities to work in a support occupation or internship toward degrees at affiliated universities thrive in a stimulating, supportive environment. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. 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.

*Health Science is the #1 demanded occupation in Texas!*



## CAREERS

### SALARIES

Surgical Technologists  
**\$45,032**

Dental Hygienists  
**\$73,507**

Medical Assistants  
**\$29,598**

### OPPORTUNITIES

Nurse

Occupational Therapist

Medical Assistant

### QUALIFICATIONS

2-Year Degree

4-Year Degree + Masters

Certification & HS Diploma



2022-2024

# EXERCISE SCIENCE & WELLNESS / HEALTH THERAPEUTIC SERVICES

PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	EXERCISE SCIENCE & WELLNESS	HEALTH THERAPEUTIC SERVICES
1	Principles of Exercise Science & Wellness	Principles of Health Science
2	Kinesiology I	Medical Terminology
3	Kinesiology II / Anatomy & Physiology	Anatomy & Physiology Medical Microbiology
4	Practicum in Health Science (Athletics)	Practicum in Health Science (Phlebotomy/EKG/CMA)
Certifications: Phlebotomy Technician / EKG Technician / Clinical Medical Assistant (CMA)		

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**MARSHALL**  
INDEPENDENT SCHOOL DISTRICT

## CAREER & TECHNICAL EDUCATION

# HOSPITALITY

The Culinary Arts program of study introduces students 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. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards.

*The Bureau of Labor Statistics estimates an 11% growth in the culinary arts field for chefs and head cooks by 2028.*



## CAREERS

### SALARIES

Food & Beverage Managers  
**\$55,619**

Chef & Head Cooks  
**\$43,285**

Food Science Technicians  
**\$34,382**

### OPPORTUNITIES

Certified Chef

Certified Food  
Beverage Executive

Restaurant Management

Culinary Science Management

### QUALIFICATIONS

Certification & HS Diploma

Certification  
& HS Diploma

4-Year Degree

2-Year Degree

# 2022-2024 CULINARY ARTS

PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	CULINARY ARTS
1	Introduction to Culinary Arts
2	Culinary Arts
3	Advanced Culinary Arts
4	Practicum in Culinary Arts
Certification: ServSafe Manager	

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**MARSHALL**  
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## CAREER & TECHNICAL EDUCATION

# LAW & PUBLIC SERVICE

The Law and Public Service Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and fire and emergency services. The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law.



## CAREERS

### SALARIES

Lawyers  
**\$126,131**

Paralegal & Legal Assistants  
**\$50,544**

Police Officer  
**\$55,700**

### OPPORTUNITIES

Lawyer

Paralegal  
& Legal Assistants

Police Officer

### QUALIFICATIONS

Advanced Degree

Certification  
& HS Diploma

2-Year Degree

# 2022-2024

# LAW ENFORCEMENT

## PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	LAW ENFORCEMENT
1	Principles of Law Public Safety, Corrections & Security
2	Law Enforcement I
3	Law Enforcement II
4	Practicum in Law, Public Safety, Corrections & Security
<i>Certification: Non-Commissioned Security Officer Level II</i>	

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**MARSHALL**  
INDEPENDENT SCHOOL DISTRICT

## CAREER & TECHNICAL EDUCATION

# MANUFACTURING

Students pursuing the Manufacturing Pathway will acquire the knowledge, skills, and technologies required for employment in metal technology systems.

Students will develop knowledge and skills related to this system and apply them to personal career development. Welders join metal parts using heat and/or pressure to form a permanent bond. Parts are welded to manufacture products, build structures, or to repair broken or cracked parts. Welders generally work from drawings or specifications that are already laid out.

*Employment of welding, soldering, and brazing workers is expected to increase 13% in Texas by 2020.*



## CAREERS

### SALARIES

Welders, Cutters,  
Solderers, & Brazers  
**\$41,350**

Welding Machine  
Setters & Operators  
**\$40,040**

### OPPORTUNITIES

Certified Welder

Certified Welding Engineering

OSHA Technician

Operations Management  
& Supervision

### QUALIFICATIONS

Certification & HS Diploma

2-Year Degree

2-Year Degree

Advanced Degree

# 2022-2024 WELDING

## PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	WELDING
1	Introduction to Welding
2	Welding I
3	Welding II
4	Practicum in Manufacturing
<i>Certification: NCCER Core Curriculum &amp; OSHA 30 Students can enroll in TSTC Dual Credit Welding program in their Junior and Senior year</i>	

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**MARSHALL**  
INDEPENDENT SCHOOL DISTRICT

## CAREER & TECHNICAL EDUCATION **SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS**

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services, and research and development services. The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.



## CAREERS

### SALARIES

Information Security Analysts  
**\$91,915**

Network & Computer  
System Administrators  
**\$82,597**

### OPPORTUNITIES

Reverse Engineering Malware  
Information Technology  
Computer Science  
Computer Systems Analyst

### QUALIFICATIONS

Certification & HS Diploma  
2-Year Degree  
4-Year Degree  
Advanced Degree



# 2022-2024 ENGINEERING

PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	ENGINEERING
1	Introduction to Engineering (PLTW)
2	Computer Integrated Manufacturing (PLTW)
3	Engineering Design & Development (PLTW)
4	Practicum in Science Technology Engineering & Math (STEM)
Certification: OSHA 30 / Autodesk Certified Professional (ACU) - Inventor	

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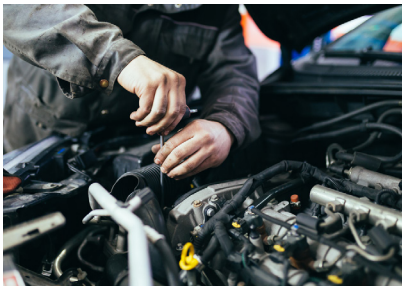
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## CAREER & TECHNICAL EDUCATION

# TRANSPORTATION

Students pursuing specialized careers in the Transportation, Distribution, and Logistics Pathway will gain knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive service technicians have developed into highly trained and skilled problem solvers using computerized test equipment to inspect, maintain, diagnose, and repair automobiles and light trucks. Good reasoning ability and a positive work ethic is a must.

*Automotive Technology Industry is expected to increase 19% in Texas over the 2014-2024 decade.*



## CAREERS

### SALARIES

Management Technician  
**\$62,000**

Automotive Engineer  
**\$78,160**

Insurance Claims Appraiser  
**\$58,500**

### OPPORTUNITIES

Diesel Mechanic

Autobody Technician

Paint & Body Specialist

### QUALIFICATIONS

2-Year Degree

Certification and HS Diploma

On-the-Job Training

# 2022-2024

# AUTOMOTIVE TECHNOLOGY

## PROGRAM CORRELATED TO THE STATE STANDARDS

YEAR	AUTOMOTIVE TECHNOLOGY
1	Automotive Basics
2	Automotive Technology I
3	Automotive Technology II
4	Practicum in Transportation Systems
<i>Certification: OSHA 30, ASE Entry-Level Maintenance and Light Repairs, ASE Brakes, ASE Engine Repair</i>	

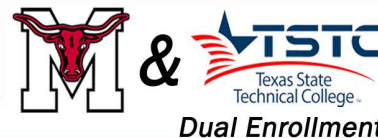
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# Your Future, Your Choice

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## Architectural Design & Engineering Graphics



### Student Career Pathway

### Architecture & Construction

### MAV TECH Program Description

The Architectural Design & Engineering Graphics Technology program works with designers and engineers to convert their ideas and concepts for new products and designs into accurate drawings that convey size, shape, materials and specifications. These drawings are then used by professionals in manufacturing, consulting and construction to produce the desired product or structure. Designs are created using computer-aided drafting (CAD) equipment. Solid modeling and parametric concepts are introduced and utilized early in the program and throughout the curriculum.

### Course Location

On TSTC Campus

### Credits & Cost

12 credits available (\$33/credit)  
Ask your counselor about funding assistance.

## MAV TECH Courses for Program Completion

### Architectural Design & Engineering Graphics

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Basic Computer Aided Drafting	Fall	JR	1:00-2:55 PM 2 Hrs.	2X Week or DL	3	DFTG 1309	TSTC Campus
Architectural Drafting - Residential	Spring	JR	1:00-2:55 PM 2Hrs.	2X Week or DL	3	DFTG 1317	TSTC Campus
Technical Drawing for Interior Design	Fall	SR	1:00-2:55 PM 2 Hrs.	2X Week or DL	3	INDS 1319	TSTC Campus
Architectural Illustrations	Spring	SR	1:00-2:55 PM 2 Hrs.	2X Week or DL	3	ARCE 1321	TSTC Campus
Total					12 hrs		

### Did you know...

421 people work in Architectural Design & Engineering Graphics jobs within a 45-minute drive of Marshall, TX making an average wage of \$51,241 per year.

With Mav Tech you can earn a semester of college credit while in high school for a fraction of the cost of college

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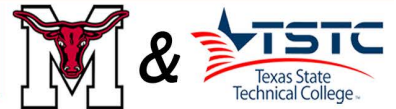


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## Business Management Technology (Accounting)



Dual Enrollment



### Student Career Pathway

### Business, Marketing and Finance

### MAV TECH Program Description

Every business needs a professional to administer payroll, balance the books, and manage the office. Whether a veterinarian's office, a corporate office or an architectural firm, an education in accounting can allow you to work in an essential position for a business's (and your) success. Skills you'll gain include word processing, presentation graphics, accounting and business ethics, principles of accounting, computerized accounting, principles of management, small business operations and payroll accounting.

### Course Location

Online and/or MHS Computer Lab

### Credits & Cost

12 credits available (\$33/credit)

Ask your counselor about funding assistance.

## MAV TECH Courses for Program Completion

### Business Management Technology (Accounting)

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Spreadsheets	Fall	JR	1:00 – 2:55 PM 2 Hrs.	2X Week or DL	3	POFI 1349	Online or HS Computer Lab
Principals of Accounting I	Spring	JR	1:00 – 2:55 PM 2 Hrs.	2X Week or DL	3	ACNT 1325	Online or HS Computer Lab
Payroll & Business Tax Accounting	Fall	SR	1:00 – 2:55 PM 2 Hrs.	2X Week or DL	3	ACNT 1329	Online or HS Computer Lab
Intro to Computerized Accounting	Spring	SR	1:00 – 2:55 PM 2 Hrs.	2X Week or DL	3	ACNT 1311	Online or HS Computer Lab
Total					12 hrs		

### Did you know...

10,055 people work in Business Management Technology jobs within a 45-minute drive of Marshall, TX making an average wage of \$35,391 per year

With Mav Tech you can earn a semester of college credit while in high school for a fraction of the cost of college

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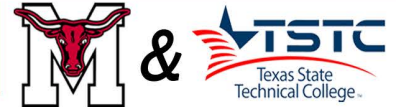


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## Business Management Technology (Software)



Dual Enrollment



### Student Career Pathway

### Business, Marketing and Finance

### MAV TECH Program Description

Every business needs professionals to manage an office, administer payroll, balance books and hire employees to run a business. Our students receive instruction needed to succeed in a career in office management. Software skills you will gain include creation of spreadsheets, word documents, multimedia presentations, and database management. Top these off with your ability to be professional and organized and you'll be off to a successful career in an office setting.

### Course Location

Online and/or MHS Computer Lab

### Credits & Cost

12 credits available (\$33/credit)

Ask your counselor about funding assistance.

## MAV TECH Courses for Program Completion

### Business Management Technology (Software)

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Spreadsheets	Fall	JR	1:00- 2:55 PM 2 Hrs.	2X Week or DL	3	POFI 1349	Online or HS Computer Lab
Word Processing	Spring	JR	1:00- 2:55 PM 2 Hrs.	2X Week or DL	3	POFI 2301	Online or HS Computer Lab
Intro to Presentation Graphics	Fall	SR	1:00- 2:55 PM 2 Hrs.	2X Week or DL	3	ITSW 1310	Online or HS Computer Lab
Intro to Database	Spring	SR	1:00- 2:55 PM 2 Hrs.	2X Week or DL	3	ITSW 1307	Online or HS Computer Lab
Total					12 hrs		

### Did you know...

10,055 people work in Business Management Technology jobs within a 45-minute drive of Marshall, TX making an average wage of \$35,391 per year

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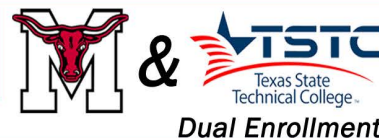
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## Diesel Engine Technology (Off-Highway)



### Student Career Pathway

### Transportation, Distribution, & Logistics

### MAV TECH Program Description

Diesel Equipment Technology Off-Highway Specialization Mav Tech students learn skills in diesel engine testing and repair, brake systems and the tools and techniques to get the job done safely. Due to the advanced pneumatic, hydraulic and electronic systems used in today's diesel equipment, industry needs highly trained quality technicians to repair and maintain equipment. Thanks to partnerships with industry leaders who help shape curriculum and hire TSTC graduates, students who go on to complete the Diesel Off highway award will have a head start towards obtainment of one of many successful careers related to diesel engine repair.

### Course Location

On TSTC Marshall Campus

### Credits & Cost

14 credits available (\$33/credit)  
Ask your counselor about funding assistance.

## MAV TECH Courses for Program Completion

### Diesel Engine Technology (Off-Highway)

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Shop Safety and Procedures	Fall	JR	1:00 – 3:50 PM 2 Hrs.	2X Week	3	DEMR 1301	TSTC Campus
Basic Brake Systems	Spring	JR	1:00 – 3:50 PM 2 Hrs.	2X Week	3	DEMR 1317	TSTC Campus
Diesel Engine Testing and Repair I	Fall	SR	1:00 – 4:45 PM 4 Hrs.	3X Week	4	DEMR 1410	TSTC Campus
Diesel Engine Testing and Repair II	Fall	SR	1:00 – 4:45 PM 4 Hrs.	3X Week	4	DEMR 2412	TSTC Campus
Total					14 hrs		

### Did you know...

827 people work in Diesel Equipment jobs within a 45-minute drive of Marshall, TX making an average wage of \$47,237 per year

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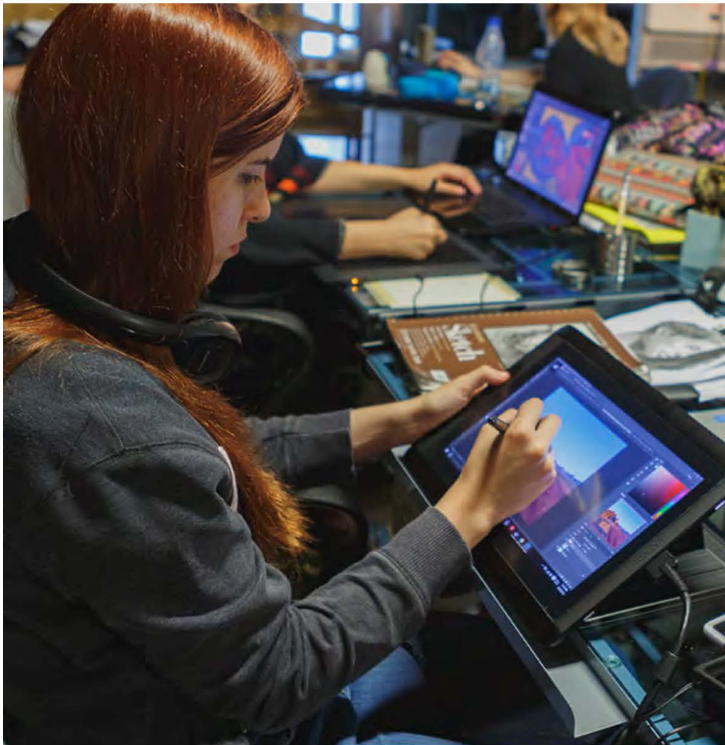
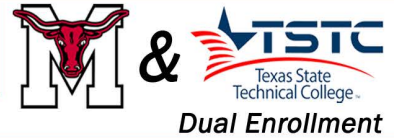


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## Digital Media Design



### Student Career Pathway

### Arts, Audio Visual, & Communication

### MAV TECH Program Description

In the Digital Media Design program, our goal is to inspire and teach a new generation of media artists how to be employable in the print, photography, videography and web design industries. Mav Tech students learn the techniques necessary to produce quality media design, and the tools to grow as creative thinkers and innovators. Students in this program will manipulate sound, still images, 3-D images, animations and digital video on computers. This program will provide training in desktop publishing, painting, drawing, color correction, solids modeling, animation, sound editing, nonlinear video editing web, page creating, photography, 3-D printing, marking and design.

### Course Location

Online and/or at the MHS Computer lab

### Credits & Cost

12 credits available (\$33/credit)

Ask your counselor about funding assistance.

## MAV TECH Courses for Program Completion

### Digital Media Design

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Vector Graphics for Production	Fall	JR	ONLINE	TBA	3	GRPH 1359	Online or HS Computer Lab
Typography	Spring	JR	ONLINE	TBA	3	ARTC 1327	Online or HS Computer Lab
Design Communication I	Fall	SR	ONLINE	TBA	3	ARTC 1317	Online or HS Computer Lab
Digital Imaging I	Spring	SR	ONLINE	TBA	3	ARTC 1302	Online or HS Computer Lab
Total					12 hrs		

### Did you know...

770 people work in Digital Media Design jobs within a 45-minute drive of Marshall, TX making an average wage of \$43,762 per year

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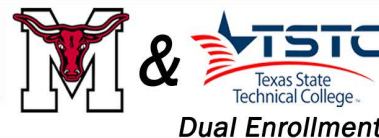


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## Medical Office Technology



### Student Career Pathway

#### Health Science

#### MAV TECH Program Description

In the Health Information Technology program, students learn skills in collecting, analyzing and maintaining health data, as well as billing and coding. Physicians and other health care professionals need accurate records to treat their patients, and professionals in the health information technology industry make that possible. Health information technology careers are found in a variety of settings, including health care facilities, consulting firms, government agencies, insurance companies, health care IS/IT vendors and pharmaceutical companies, as well as many other environments.

#### Course Location

Online and/or at the MHS Computer lab

#### Credits & Cost

16 credits available (\$33/credit)  
Ask your counselor about funding assistance.

## MAV TECH Courses for Program Completion

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Medical Terminology	Fall	JR	ONLINE	TBA	3	HITT 1305	Online or HS Computer Lab
Human Disease/Pathology	Spring	JR	ONLINE	TBA	3	MDCA 1302	Online or HS Computer Lab
Health Data Content and Structure	Fall	SR	ONLINE	TBA	3	HITT 1301	Online or HS Computer Lab
Legal & Ethical Aspects Health Information	Fall	SR	ONLINE	TBA	2	HITT 1253	Online or HS Computer Lab
IT for Health Professions	Spring	SR	ONLINE	TBA	2	HITT 1204	Online or HS Computer Lab
Health Information Systems	Spring	SR	ONLINE	TBA	3	HITT 1311	Online or HS Computer Lab
Total					16 hrs		

### Did you know...

503 people work in Medical Office Technology jobs within a 45-minute drive of Marshall, TX making an average wage of \$38,300 per year

With Mav Tech you can earn a semester of college credit while in high school for a fraction of the cost of college

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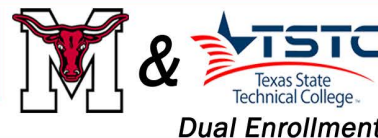


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## Precision Machining Technology



### Student Career Pathway

#### Manufacturing

#### MAV TECH Program Description

Precision Machining Technology guides Mav Tech students through a series of machine operation courses that develop their use of conventional machine tools, and their related skills such as precision measurement, and blueprint reading. Students that continue on to complete an award in Precision Machining Technology additionally learn computer aided manufacturing skills that include; drafting, the ability to program setup and operate CNC mills and lathes and the heat treatment of metals. Graduates of the Precision Machining Technology award find employment in the research, development, and manufacturing of components for the automotive, aerospace, defense, medical, oil, gas, and textile industries.

#### Course Location

On TSTC Campus - Evening Courses Only

#### Credits & Cost

12 credits available (\$33/credit)  
Ask your counselor about funding assistance.

## MAV TECH Courses for Program Completion

#### Precision Machining Technology

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Print Reading for Machining Trade	Fall	JR	After 4:30 PM 1.5 Hrs.	4X Week	3	MCHN 1302	TSTC Campus Night Class
Beginning Machine Shop	Fall	JR	After 4:30 PM 3Hrs.	2X Week	3	MCHN 1300	TSTC Campus Night Class
Precision Tools and Measurement	Fall	SR	After 4:30 PM 3 Hrs.	2X Week	3	MCHN 1320	TSTC Campus Night Class
Machine Shop Mathematics	Fall	SR	After 4:30 PM 4 Hrs.	1X week	3	MCHN 1343	TSTC Campus Night Class
Total					12 hrs		

### Did you know...

1,234 people work in Precision Machining jobs within a 45-minute drive of Marshall, TX making an average wage of \$46,629 per year

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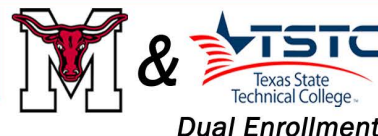


# Your Future, Your Choice

Design your path  
Shape your future



## Structural Welding Technology



### Student Career Pathway

#### Manufacturing

#### MAVTECH Program Description

Welding Technology offers Mav Tech students instruction in basic welding techniques using the following processes: Oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and gas tungsten arc welding (GTAW as well as instruction in mathematical calculations commonly used by the welding profession. Students that go on to complete an award in structural welding can gain employment in both the manufacturing and construction fields.

#### Course Location

On TSTC Campus

#### Credits & Cost

14 credits available (\$33/credit)  
Ask your counselor about funding assistance.

## MAVTECH Courses for Program Completion

#### Structural Welding Technology

Class	Term	HS Yr	Time	Day	Credits	Course Id	Location
Technical Calculations	Fall	JR	1:00 – 2:25 PM 1.5 Hrs.	2X Week	3	TECM 1303	TSTC Campus
Intro to Blueprint Reading	Spring	JR	1:00 – 2:25 PM 1.5 Hrs.	2X Week	3	WLDG 1313	TSTC Campus
Intro to Welding Using Multiple Processes	Fall	SR	1:00 – 4:55 PM 4 Hrs.	2X Week	4	WLDG 1407	TSTC Campus
Intro to Shielded Metal Arc Welding	Spring	SR	1:00 – 4:55 PM 4 Hrs.	2X Week	4	WLDG 1428	TSTC Campus
Total					14 hrs		

### Did you know...

6,149 people work in Welding jobs within a 45-minute drive of Marshall, TX making an average wage of \$44,210 per year

With Mav Tech you can earn a semester of college credit while in high school for a fraction of the cost of college

Employment Data & Promotion by:

**MARSHALL**  
ECONOMIC DEVELOPMENT CORPORATION

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# MARSHALL JUNIOR HIGH SCHOOL

## CTE COURSE OFFERINGS

COURSES	CREDITS
Business Information Management (BIM)	1
Gateway to Technology (GTT-1) - S1	.5
Gateway to Technology (GTT-2) - S2	.5
General Employability Skills	.5
Principles of Agriculture, Food & Natural Resources (AFNR)	1
Principles of Law	1
Professional Communications (7th Grade)	.5
Touch Systems Data Entry	.5



# MARSHALL HIGH SCHOOL

## PERSONAL GRADUATION PLAN



Student Name: \_\_\_\_\_ Date: \_\_\_\_\_ Student ID: \_\_\_\_\_ Grade: \_\_\_\_\_ Cohort Year: \_\_\_\_\_

MY GRADUATION PLAN TYPE IS:	MY POST HIGH SCHOOL PLANS WILL TAKE ME TO:	STAAR EOC DATA:
<input type="checkbox"/> Foundation = 22 Credits <input type="checkbox"/> With Endorsement = at least 26 Credits <input type="checkbox"/> Distinguished * <b>Endorsement:</b> <input type="checkbox"/> STEM <input type="checkbox"/> Business and Industry <input type="checkbox"/> Arts and Humanities <input type="checkbox"/> Public Service <input type="checkbox"/> Multidisciplinary Studies	(Number in order of goals) <input type="checkbox"/> Two Year College <input type="checkbox"/> Four Year College <input type="checkbox"/> Technical Training <input type="checkbox"/> Employment <input type="checkbox"/> Military <input type="checkbox"/> Other	<input type="checkbox"/> English I <input type="checkbox"/> English II <input type="checkbox"/> Algebra I <input type="checkbox"/> US History <input type="checkbox"/> Biology

GRADUATION REQUIREMENT:	FOUNDATION:	ENDORSEMENT 4-YEAR COHERENT COURSE SEQUENCE:	CAREER PATH:
English			<b>College or University</b> 1. _____ 2. _____  <b>Career</b> 1. _____ 2. _____
Mathematics			
Science			
Social Studies			
Foreign Language			
Fine Arts			
PE			
CTE Course			
Elective			
<b>Total Credit</b>			

9 <sup>TH</sup> GRADE	10 <sup>TH</sup> GRADE	11 <sup>TH</sup> GRADE	12 <sup>TH</sup> GRADE
Endorsement Elective (Level 1)	Endorsement Elective (Level 2)	Endorsement Elective (Level 3)	Endorsement Elective (Level 4)

*The benefits of a graduation plan that includes earning one or more endorsements and the distinguished level of achievement, postsecondary education opportunities, automatic admittance and eligibility for financial aid have been explained to me. (Chapter 74. Curriculum Requirements, Subchapter B. Graduation Requirements.)*

Student Signature: \_\_\_\_\_ Parent / Guardian Signature: \_\_\_\_\_

Counselor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

[illegible]







# MARSHALL

INDEPENDENT SCHOOL DISTRICT

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