



MAGNOLIA
INDEPENDENT SCHOOL DISTRICT

Career & Technical Education



HEALTH SCIENCE



PROGRAM OF STUDY

Health Science

ENDORSEMENT

Public Service

PATHWAY OFFERED

Healthcare Therapeutic

Certified Nurse Assistant

Emergency Medical Technician

PATHWAY

Healthcare Therapeutic



PROGRAM OF STUDY

Health Science

PATHWAY

Healthcare Therapeutic

ENDORSEMENT

Public Service

COURSES

LEVEL 1

Principles of Health Science (Local Speech Credit & Local Health Credit)

1.0 Credit

LEVEL 2

Medical Terminology

1.0 Credit

LEVEL 3

Practicum in Health Science I - CNA

2.0 Credits

Anatomy & Physiology (Recommended)

1.0 Credit

LEVEL 4

Practicum in Health Science II - EMT

2.0 Credits

Certifications:

CNA (Certified Nurse Assistant)
EMT (Emergency Medical Technician)

Certifying Entity:

Texas Health and Human Services

- 593204** **Principles of Health Science**
Grades: 9, 10, 11, 12 **1 credit**
This course is designed for students interested in medical and associated health careers. It gives an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course meets the Health Requirement for graduation.
- 591204** **Medical Terminology**
Grades: 9, 10, 11, 12 **1 credit**
This course allows students to develop a working knowledge of the language of medicine by introducing them to the structure of medical terms including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. Comprehending this terminology will not only be beneficial in understanding other science and health science related courses taken in high school, but will also enhance their ability to secure employment or pursue further education in this industry.
- 3654** **Anatomy/Physiology**
Grades: 10, 11, 12 **1 credit**
Prerequisites: Biology, Chemistry or IPC
Anatomy and Physiology is an upper level course that surveys the structures and functions of the human body while integrating the physics and chemistry concepts found in the body systems. The student will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy processes.
- 5934** **Practicum in Health Science 1 CNA (Certified Nursing Assistant)**
Grades: 11, 12 **2 credits**
Prerequisites: Principles of Health Science, Medical Terminology
Class held at MWHS during 6th and 7th periods. While earlier courses in health science provide students with an overview of the industry, this course allows students to select and pursue a specialization. Students will have the opportunity to gain knowledge and develop advanced clinical skills needed for specific certification as a Certified Nursing Assistant (CNA). Because spaces are limited, an application process is required. This class will include labs in the classroom as well as clinical internship, and completion of the clinical and written CNA exam. Students will be required to purchase a uniform, stethoscope, and watch for the course.
- 5944** **Practicum in Health Science II – Emergency Medical Technician**
Grades: 12 **2 credits**
Prerequisites: Principles of Health Science and Medical Terminology, or Anatomy
Class held at MHS during 6th and 7th periods. While earlier courses in health science provide students with an overview of the industry, this course allows students to select and pursue a specialization. Students will have the opportunity to gain knowledge and develop advanced clinical skills needed for a specific

certification or licensure as an Emergency Medical Technician. Because space is limited, an application process is required. This class will include labs in the classroom, clinical internships in the Emergency Room and on the ambulance, and taking the National Registry Exam. Students will be required to purchase a uniform for the course.

TRANSPORTATION, DISTRIBUTION & LOGISTICS



Transportation,
Distribution
& Logistics

PROGRAM OF STUDY

Transportation, Distribution & Logistics

ENDORSEMENT

Business/Industry

PATHWAY OFFERED

Automotive

PATHWAY

Automotive



Transportation,
Distribution
& Logistics

PROGRAM OF STUDY

Transportation, Distribution & Logistics

PATHWAY

Automotive

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Ag, Food & Natural Resources (Local Speech Credit)	1.0 Credit
OR Principles of Business, Finance & Marketing (Local Speech Credit)	1.0 Credit
OR Principles of Human Services (Local Speech Credit)	1.0 Credit

LEVEL 2

Automotive Technology I	2.0 Credits
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LEVEL 3

Automotive Technology II	2.0 Credits
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Certifications:

ASE
Lone Star College: Automotive Technician Certification

Certifying Entity:

Automotive Service Excellence
Exam Name: Various ASE Exams



- 8404** **Principles of Ag Food & Natural Resources**
Grades: 9, 10, 11, 12 **1 credit**
A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .
- 6084** **Principles, of Business. Marketing, and Finance**
Grades: 9, 10, 11, 12 **1 credit**
In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance. This course meets the Speech Requirement from HB5.
- 810204** **Prin. of Human Services**
Grades: 9, 10, 11, 12 **1 credit**
This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. This course meets the Speech Requirement from HB5.
- 8754** **Automotive Technology I –Maintenance and Light Repair**
Grades: 11 **2 credits**
A pre-employment lab course which includes use of repair manuals, service and repair of basic systems of an automobile: fuel, engine, emission control, power train, chassis, electrical, brakes, heating and air conditioning. Safety, careers, and SKILLS USA are included. Class held at Magnolia West High School. Required \$30 Auto Tech fee and optional \$20 work shirt.
- 8764DNH** **Automotive Technology II – Automotive Service**
Grades: 12 **2 credits**
Prerequisites: Auto Tech I
A pre-employment lab course which includes use of repair manuals, service and repair of basic systems of an automobile: fuel, engine, emission control, power train, chassis, electrical, brakes, heating and air conditioning. Safety, careers, and SKILLS USA are included. Class held at Magnolia West High School. Required \$30 Auto Tech fee, Required - \$100 Auto Tech kit, and optional \$20 work shirt.

HUMAN SERVICE



Human
Service

PROGRAM OF STUDY

Human Service

ENDORSEMENT

Public Service

PATHWAY OFFERED

Cosmetology

PATHWAY

Cosmetology



Human
Service

PROGRAM OF STUDY

Human Service

PATHWAY

Cosmetology

ENDORSEMENT

Public Service

COURSES

LEVEL 1

Introduction to Cosmetology (local speech credit)

1.0 Credit

LEVEL 2

Cosmetology I

2.0 Credits

LEVEL 3

Cosmetology II

2.0 Credits

Certifications:

Cosmetology Operator License

Certifying Entity:

Texas Department of Licensing and Regulation
Exam Name: Cosmetology Operator License Examination
through PSI Services

8644

Introduction to Cosmetology

Grades: 10 **1 credit**

Prerequisites: Committee Review

This is the first course in a pre-employment laboratory instructional sequence designed to provide job specific training for entry-level employment in cosmetology careers. Instruction includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning cream and color rinses, etc. Meets the Cosmetology Commission requirements for licensure upon passing the state exam ■ fee is required. This course meets speech requirement from HB5.

8654

Cosmetology I

Grades: 11 **2 credits**

Prerequisites: Committee Review — Introduction to Cosmetology

This is the second course in a pre-employment laboratory instructional sequence designed to provide job specific training for entry-level employment in cosmetology careers. Instruction includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning cream and color rinses, etc. Meets the Cosmetology Commission requirements for licensure upon passing the state exam - fee is required.

8624

Cosmetology II with lab

Grades: 12 **3 credits**

Prerequisites: Cosmetology I

This is the third and final course in a pre-employment laboratory instructional sequence designed to provide job specific training for entry-level employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning cream and color rinses, etc. Meets the Cosmetology Commission requirements for licensure upon passing the state exam - fee is required.

HOSPITALITY & TOURISM



PROGRAM OF STUDY

Hospitality & Tourism

ENDORSEMENT

Public Service

PATHWAY OFFERED

Culinary Arts

PATHWAY

Culinary Arts



PROGRAM OF STUDY

Hospitality and Tourism

PATHWAY

Culinary Arts

ENDORSEMENT

Public Service

COURSES

LEVEL 1

Introduction to Culinary Arts (local speech credit)

1.0 Credit

LEVEL 2

Culinary Arts

2.0 Credits

LEVEL 3

Advanced Culinary Arts

2.0 Credits

LEVEL 4

Food Science

1.0 Credit

Certifications:

Certified Fundamentals Cook (CFC)

Certifying Entity:

American Culinary Federation
Exam Name: ACF Culinary Arts Certification

- 82644** **Introduction to Culinary Arts**
Grades: 9, 10, 11, 12 **1 credit**
Focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. This course meets speech requirements from HB5.
- 8284** **Culinary Arts**
Grades: 11, 12 **2 credits .**
Prerequisites: Intro. To Culinary Arts and Committee Review
The Commercial Food Service program is designed to provide students with a CTE education, which prepares them for gainful employment in jobs requiring semi-skilled knowledge and training. Students are trainee in the following areas of employment: baker, chef, salad maker, fry cook, waiter/waitress, bus person, cashier, and host/hostess. Students also have an opportunity to participate in FCCLA activities.
- 8294** **Advanced Culinary Arts**
Grades: 12 **2 credits**
Prerequisites: Culinary Arts and Committee Review
Advanced Commercial Food Service program will be studied.
- 8124** **Food Science**
Grades: 11, 12 **1 credit**
Prerequisites: 3 credits of Science
Can count as science credit. This laboratory course provides in-depth study of the significance of nutrition in food science. It addresses the knowledge and skills needed to study food science, processing, marketing, and technology involved in food/nutrition. The opportunities in food and nutrition occupational areas are explored as well as the concepts and skills related to managing the dual roles of homemaker and wage earner.

AGRICULTURE, FOOD & NATURAL RESOURCES



PROGRAM OF STUDY

Agriculture, Food, and Natural Resources

ENDORSEMENT

Business/Industry

PATHWAYS OFFERED

Animal Science
Applied Agricultural Engineering
Plant Science

PATHWAY

Animal Science



PROGRAM OF STUDY

Agriculture, Food, and Natural Resources

PATHWAY

Animal Science

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Ag, Food & Natural Resources (Local Speech Credit)

1.0 Credit

LEVEL 2

Livestock Production

1.0 Credit

OR Small Animal Management

0.5 Credit

AND/OR Equine Science

0.5 Credit

LEVEL 3

Veterinary Medical Applications

1.0 Credit

LEVEL 4

Advanced Animal Science

1.0 Credit

AND/OR Practicum in Agriculture, Food, and Natural Resources

2.0 Credits

Certifications:

Certified Veterinary Assistant

Certifying Entity:

Texas Veterinary Medical Association
Exam Name: Certified Veterinary Assistant Level 1



- 8404** **Principles of Ag Food & Natural Resources**
Grades: 9, 10, 11, 12 **1 credit**
A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .
- 843204** **Livestock Production**
Grades: 10, 11, 12 **1 credit**
Prepare for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace and develop knowledge and skills regarding career opportunities, entry requirements and industry expectations.
- 8522** **Small Animal Management**
Grades: 10, 11, 12 **0.5 credit**
To be prepare for careers In the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.
- 8502** **Equine Science**
Grades: 10, 11, 12 **0.5 credit**
The student will learn employability characteristics in the field of equine science. The student will analyze equine science and know the nutritional requirements of horses.
- 8464** **Vet Med Applications**
Grades: 11, 12 **1 credit**
Prerequisites: Principles of Agriculture, Food, and Natural Resources AND 1 of the following classes: Equine Science, Small Animal Management, Livestock Production OR Committee Review
This course will prepare students with the skills necessary for entry-level positions as a Level I Certified Veterinarian Medical Assistant. Students have the opportunity to develop technical skills in health, nutrition, examination, diseases, sanitation and regulatory programs of small animals. Students will learn basic animal anatomy, disease transmission, treatment techniques, lab procedures, emergency procedures, client interaction and clinical operations.
- 8474** **Vet Med Application with Lab**
Grades: 11, 12 **2 credits**

Prerequisites: Principles of Agriculture, Food, and Natural Resources AND 1 of the following classes: Equine Science, Small Animal Management, Livestock Production OR Committee Review

In addition to the course requirements for Vet Med Applications, this course will involve students working with local vet clinics off campus.

8514

Adv. Animal Science

Grades: 12 1 credit

Prerequisites: Biology and Chem. or IPC AND Alg. 1 and Geometry AND 1 of the following classes: 1 of the following classes: Equine Science, Small Animal or Livestock Production

Advanced study and understanding of the field of animal science. This course can count as a science credit.

PATHWAY

Applied Agricultural Engineering



PROGRAM OF STUDY

Agriculture, Food, and Natural Resources

PATHWAY

Applied Agricultural Engineering

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Ag, Food & Natural Resources (Local Speech Credit)

1.0 Credit

LEVEL 2

Agricultural Mechanics / Introduction to Welding

1.0 Credit

LEVEL 3

Agricultural Structures & Design / Welding I

1.0 Credit

LEVEL 4

Agricultural Equipment & Design / Welding II

2.0 Credits

Certifications:

AWS Welding

Certifying Entity:

American Welding Society
Exam Name: Certified Welder

8404

Principles of Ag Food & Natural Resources

Grades: 9, 10, 11, 12

1 credit

A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .

8424

Agricultural Mechanics/Introduction to Welding

Grades: 10, 11, 12

1 credit

Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

8444

Agricultural Structures & Design/Welding 1

Grades: 11, 12

1 credit

Prerequisites: Agricultural Mechanics/Intro to Welding

To be prepared for careers in mechanized agriculture and welding, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

8454

Agricultural Equipment & Design/Welding 2

Grades: 12

2 credits

Prerequisites: Agricultural Mechanics/Intro to Welding and Agricultural Structures/Welding 1 and Committee Review

Welding II builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. At the end of this course, the students have an opportunity to receive an entry Level I welding certification.

PATHWAY

Plant Science



PROGRAM OF STUDY

Agriculture, Food, and Natural Resources

PATHWAY

Plant Science

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Ag, Food & Natural Resources (Local Speech Credit)

1.0 Credit

LEVEL 2

Floral Design

1.0 Credit

LEVEL 3

Advanced Floral Design

1.0 Credit

LEVEL 4

Advanced Plant & Soil Science

1.0 Credit

Certifications:

Texas State Floral Association Level One Floral Certification
Texas State Floral Association Level Two Floral Certification

Certifying Entity:

Texas State Florists' Association

- 8404** **Principles of Ag Food & Natural Resources**
Grades: 9, 10, 11, 12 **1 credit**
A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .
- 8474** **Floral Design**
Grades: 10, 11, 12 **1 credit**
Prerequisite: Principles of Agriculture, Food, and Natural Resources
Course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. This is an activity-based course which prepares students to develop competencies in flower classification and identification, geometric and specialized floral designs, identification and classification of plants. May count as Fine Arts (1.0) credit required for graduation. This course provides instruction and training necessary for the Texas State Florist's Certification.
- 861404** **Advanced Floral Design**
Grades: 11, 12 **1 credit**
Prerequisites: Floral Design, passed Level 1 TSFA Certification or Committee Review
In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning.
- 8484** **Advanced Soil and Plant Science**
Grades: 12 **1 credit**
Prerequisites: Advanced Floral, and taken the Level Two TSFA certification OR Committee Review
This course continues the path regarding the floral industry. This course can count as a science credit Students can earn certification in Horticulture and Floral Design.

ARCHITECTURE & CONSTRUCTION

Architecture &



Construction

PROGRAM OF STUDY

Architecture & Construction

ENDORSEMENT

Business/Industry

PATHWAY OFFERED

Architectural Design

PATHWAY

Architectural Design

Architecture &



Construction

PROGRAM OF STUDY

Architecture & Construction

PATHWAY

Architectural Design

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Architecture (Local Speech Credit)

1.0 Credit

LEVEL 2

Architecture Design I

1.0 Credit

Interior Design

1.0 Credit

LEVEL 3

Architecture Design II

2.0 Credits

Certifications:

Autodesk User
Autodesk User in Revit Architecture

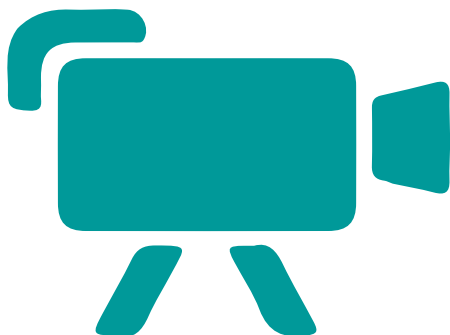
Certifying Entity:

Autodesk
Exam Name: Autodesk Certified User

- 838404** **Principles of Architecture**
Grades: 9, 10, 11, 12 **1 credit**
Students will be given a background on the history of drafting. Students will use hand drafting tools to develop designs of buildings to include an end of semester Single unit development design. This course meets the Speech Requirement for HB 5.
- 8394** **Architecture Design 1**
Grades: 10, 11, 12 **1 credit**
Prerequisite: Principles of Architecture, Algebra I and English I or Committee Review
In Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for non-residential or residential architectural purposes.
- 8164** **Interior Design**
Grades: 10, 11, 12 **1 credit**
Students will explore the concepts and skills needed to successfully decorate a home and/or business. Topics covered include styles of houses, ways to decorate, lighting, use of design, planning of space and careers available within this area. Students receive leadership training through FCCLA activities.
- 8434** **Architecture Design 2**
Grades: 11, 12 **2 credits**
Prerequisite: Architecture Design 1
In Advanced Architectural Design 2, students are exposed to deeper and more complex architectural concepts. Students who successfully complete this course will be adequately prepared for corresponding certification tests.

ART, A/V TECH & COMMUNICATIONS

Art, A/V Tech



Communications

PROGRAM OF STUDY

Art, A/V Tech & Communications

ENDORSEMENT

Business/Industry

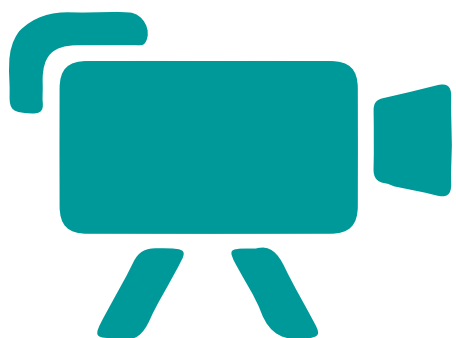
PATHWAYS OFFERED

Digital Communications

PATHWAY

Digital Communications

Art, A/V Tech



Communications

PROGRAM OF STUDY

Art, A/V Tech & Communications

PATHWAY

Digital Communications

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Art, A/V Technology & Communications (Local Speech Credit) **1.0 Credit**

LEVEL 2

Audio/Video Production I **1.0 Credit**

LEVEL 3

Audio/Video Production II **1.0 Credit**

LEVEL 4

Practicum in Audio/Video Production **2.0 Credits**

Certifications:

Adobe Premier Pro
Adobe After Effects

Certifying Entity:

Adobe
Exam Name: Adobe Certified Associate: Premier Pro

- 1744** **Principles of Art, A/V Technology and Communications**
Grades: 9, 10, 11, 12 **1 credit**
The goal of this course is for the student to understand art, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. This course meets the Speech Requirement for HB 5.
- 1754** **Audio/Video Production I**
Grades: 10, 11, 12 **1 credit**
Prerequisite: Principles of Art, A/V Technology & Communications or Committee Review
This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing. In AV Production 2 students will be expected to publish their own video shorts, and news stories for competitions.
- 1764** **Audio/Video Production II**
Grades: 11, 12 **1 credit**
Prerequisites: AV Productions I
This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing.
- 1784** **Practicum in A/V Production**
Grades: 12 **2 credits**
Prerequisites: AV Productions II
Building upon the concepts taught in Audio/Video Production II, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

EDUCATION & TRAINING



Education &
Training

PROGRAM OF STUDY

Education & Training

ENDORSEMENT

Public Service

PATHWAY OFFERED

Teaching & Training

PATHWAY

Teaching & Training



Education &
Training

PROGRAM OF STUDY

Education & Training

PATHWAY

Teaching & Training

ENDORSEMENT

Public Service

COURSES

LEVEL 1 Principles of Human Services (Local Speech Credit)	1.0 Credit
LEVEL 2 Child Development	1.0 Credit
LEVEL 3 Instructional Practice in Education & Training	2.0 Credits
LEVEL 4 Practicum in Education & Training	2.0 Credits

Certifications:

Educational Aide I

Certifying Entity:

Texas Education Agency



- 810204** **Prin. of Human Services**
Grades: 9, 10, 11, 12 **1 credit**
This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. This course meets the Speech Requirement from HB5.
- 8184** **Child Development**
Grades: 10, 11, 12 **1 credit**
Child development is a laboratory course that provides content for students to acquire knowledge and skills related to the development and care of children. The content begins with the impact of parenting on the individual(s). It develops concepts related to prenatal and postnatal care, and the development of children. Students have an opportunity to participate in FCCLA leadership activities.
- 8214** **Instructional Practices in Education and Training**
Grades: 11, 12 **2 credits**
Prerequisites: Child development
Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices.
- 8224** **Practicum in Education and Training**
Grades: 12 **2 credits**
Prerequisites: Instructional Practices in Education & Training
Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices.

BUSINESS, MARKETING & FINANCE

Business &



Marketing

PROGRAM OF STUDY

Business, Marketing & Finance

ENDORSEMENT

Business/Industry

PATHWAYS OFFERED

Accounting & Financial Services
Business Management
Marketing & Sales

PATHWAY

Accounting & Financial Services



PROGRAM OF STUDY

Business, Marketing & Finance

PATHWAY

Accounting & Financial Services

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Business, Marketing & Finance (Local Speech Credit)

1.0 Credit

LEVEL 2

Accounting I

1.0 Credit

LEVEL 3

Accounting II

1.0 Credit

LEVEL 4

Practicum in Business Management

2.0 Credits

Certifications:

Google Office Suite Pro
Microsoft Office Specialist
Microsoft Expert - Excel

Certifying Entity:

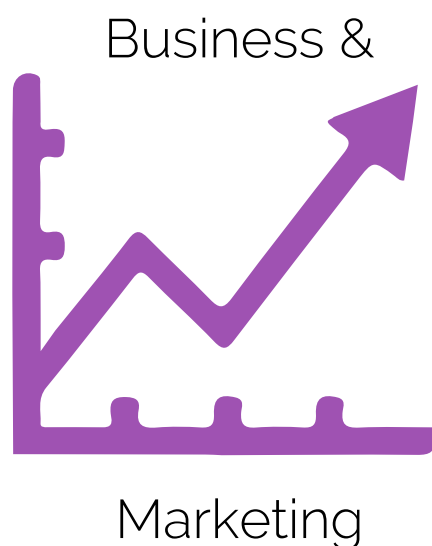
Google & Microsoft

- 6084** **Principles of Business, Marketing, and Finance**
Grades: 9, 10, 11, 12 **1 credit**
In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance. This course meets the Speech Requirement from HB5.
- 6024** **Money Matters**
Grades: 9, 10, 11, 12 **1 credit**
Students will investigate money management from a personal financial perspective. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocation, risk management, retirement planning, and estate planning.
- 6314** **Accounting I**
Grades: 10, 11, 12 **1 credit**
Learning the "how" and "why" of accounting will not only enable one to keep the accurate financial records required to produce useful business information, but will give one the capacity to use that financial information to make wise business decisions. Students will develop an understanding of the accounting cycle for a service business and a merchandising business, including payroll and banking procedures. Students will investigate accounting careers and will acquire skills for employment in entry-level accounting jobs.
- 6324** **Accounting 2**
Grades: 11, 12 **1 credit**
Prerequisites: Accounting I
The advanced program addresses the needs of students who want a strong foundation in basic accounting theory and procedures. The program incorporates the traditional methodology of teaching accounting with independent study and computerized accounting. The program will also serve as a sound background for employment in entry-level accounting jobs and preparation for studying future business courses at the college level. QuickBooks certification is included in this course.
- 8974** **Practicum in Business Management**
Grades: 11, 12 **2 credits**
Prerequisites: Student must be at least 16 years old and meet Co-op program guidelines & own transportation to the job site. Suggested (not required) BIM, Business Law, Global Business, Money Matters, Accounting, Accounting II and committee review.
Practicum Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practical experiences occur in a paid or unpaid arrangement and a variety of locations.

appropriate to the nature and level of experience.

PATHWAY

Business Management



PROGRAM OF STUDY

Business, Marketing & Finance

PATHWAY

Business Management

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Business, Marketing & Finance (Local Speech Credit)

1.0 Credit

LEVEL 2

Business Information Management I

1.0 Credit

LEVEL 3

Business Information Management II

1.0 Credit

Business Law

1.0 Credit

Virtual Business

.5 Credit

Global Business

.5 Credit

LEVEL 4

Practicum in Business Management

2.0 Credits

Certifications:

Quickbooks

Microsoft Excel, Word, Access, Powerpoint

Certifying Entity:

Intuit & Microsoft

- 6084** **Principles, of Business. Marketing, and Finance**
Grades: 9, 10, 11, 12 **1 credit**
In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance. This course meets the Speech Requirement from HB5.
- 8304** **Business Information Mgt. 1 (BIM I)**
Grades: 9, 10, 11, 12 **1 credit**
Students have the opportunity to earn Microsoft Office Specialist certifications to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.
- 6062** **Global Business**
Grades: 10, 11, 12 **0.5 credit**
Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.
- 6074** **Business Law**
Grades: 11, 12 **1 credit**
Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.
- 8314** **Business Information Mgt. 2 (BIM 2)**
Grades: 10, 11, 12 **1 credit**
Prerequisites: BIM 1
Students expand on what was learned in BIM I and have the opportunity to earn expert level Microsoft Office Specialist certifications. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, manipulate databases and make an electronic presentation using appropriate multimedia software.
- 6042** **Virtual Business**
Grades: 10, 11, 12 **0.5 credit**
Virtual Business will give students an opportunity to incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, and ethical

dimensions of business to create a successful virtual business. Students assess their skills, interests and strengths to determine their suitability for working in the virtual world. They will work on team projects that will give them real-world experiences.

8974

Practicum in Business Management

Grades: 11, 12 2 credits

Prerequisites: Student must be at least 16 years old and meet Co-op program guidelines & own transportation to the job site. Suggested (not required) BIM, Principles of Bus., Mktg, & Finance. Other suggested prerequisite or co-curricular choices - Business Law, Global Business, Money Matters

Practicum Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practical experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience.

PATHWAY

Marketing & Sales



PROGRAM OF STUDY

Business, Marketing & Finance

PATHWAY

Marketing & Sales

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Business, Marketing & Finance (Local Speech Credit)

1.0 Credit

LEVEL 2

Fashion Marketing

Sports & Entertainment Marketing

Virtual Business

.5 Credit

.5 Credit

.5 Credit

LEVEL 3

Social Media Marketing

.5 Credit

LEVEL 4

Practicum in Marketing

2.0 Credits

Certifications:

Google Office Suite Pro
Microsoft Office Specialist
Microsoft Expert - Excel

Certifying Entity:

Google & Microsoft

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- 2862** **Sports & Entertainment Marketing**
Grades: 10, 11, 12 **1 credit**
This course introduces students to the fundamentals of marketing in the sports and entertainment industries. Students will explore product branding, licensing, sponsorships, pricing, placement, promotion, event marketing, advertising, and implementation of sports and entertainment marketing plans. Students will evaluate and use information resources to accomplish specific tasks and will deliver presentations using appropriate media to engage and inform audiences.
- 6052** **Fashion Marketing**
Grades: 10, 11, 12 **0.5 credit**
This laboratory course covers concepts and ski/lis related to fabrics and sewing construction. Some sewing ski/lis would benefit student progress. Areas of study include history of fashion, wardrobe planning, fashion design, clothing construction, fabric selection, fitting and alteration. Students have an opportunity to participate in FCCLA leadership activities.
- 6042** **Virtual Business**
Grades: 10, 11, 12 **0.5 credit**
Virtual Business will give students an opportunity to incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, and ethical dimensions of business to create a successful virtual business. Students assess their skills, interests and strengths to determine their suitability for working in the virtual world. They will work on team projects that will give them real-world experiences.
- 6242** **Social Media Marketing**
Grades: 9, 10, 11, 12 **0.5 credit**
Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media.
- 8964** **Practicum in Marketing**
Grades: 12 **2 credits**
Prerequisites: Advanced Marketing and teacher approval - Students must be at least 16 years old and meet Co-op program guidelines & own transportation to the job site

Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practical experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. Students participate in leadership and career development activities. Students are encouraged to participate in DECA, a co-curricular youth organization for Marketing, Management and Entrepreneurship. This course may include paid or unpaid career preparation experience.



CTE Electives

- 6104** **Animation**
Grades: 11, 12 **1 credit**
Students are introduced to the history, development and direction of the animation industry. The principles of animation are studied and implemented in each successive project. Students will use various software to develop projects.
- 4434** **Computer Science I**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Algebra 1
Provides students with an opportunity to master programming language concepts, to understand computer architecture, and to apply problem solving skills to a variety of applications by designing and implementing appropriate solutions that are well-structured, efficient and modular in nature.
- 4444** **Computer Science I Advanced**
Grades: 10, 11, 12 **1 credit**
Prerequisites: Algebra 1
Provides students with an opportunity to master high-level programming language concepts, to understand computer architecture, and to apply problem solving skills to a variety of applications by designing and implementing appropriate solutions that are well-structured, efficient and modular in nature. Will learn to use the current AP and UIL programming.
- 834204** **Digital Media**
Grades: 10, 11, 12 **1 credit**
Students will study digital and interactive media while designing and creating multimedia projects. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will use Photoshop, Flash, Dreamweaver, MS Publisher and PowerPoint for projects.
- 8144** **Fashion Design I**
Grades: 10, 11, 12 **1 credit**
Careers in fashion span all aspects of the textile and apparel industries. Within this context students will be expected to develop an understanding of fashion and the textile and apparel industries. Students enrolled in this class will design, develop, and construct apparel and related products, while learning about design, product development, apparel construction, fashion sketching, textiles, pattern making, and draping.
- 814404** **Fashion Design II**
Grades: 11, 12 **1 credit**
Prerequisites: Fashion Design I
Careers in fashion span all aspects of the textile and apparel industries. Within this context student's will be expected to develop an understanding of fashion and the textile and apparel industries. Students enrolled in this class will learn

the Fashion Industry aspects, laws of fashion, ethics in business and garment encyclopedias. A portfolio will be constructed from a business design standpoint. A target audience will be determined with an original design collection, apparel construction, fashion sketching, textiles, pattern making.

3664

Forensic Science

Grades: 11, 12 **1 credit**

Prerequisites: Biology and Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.

8542

Landscape Design and Management

Grades: 10, 11, 12 **0.5 credit**

Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices.

8334

Web Technologies

Grades: 9, 10, 11, 12 **0.5 credit**

Students learn to make informed decisions and apply the decisions to the field of information technology. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will be given opportunities to build web pages from start to finish by learning HTML and Dreamweaver.

8494

Wildlife, Fisheries & Ecology Mgt.

Grades: 10, 11, 12 **1 credit**

This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices.

8604

Video Game Design

Grades: 10, 11, 12 **1 credit**

Students will be provided the opportunity to design, program, and create a functional video game.