Millsap High School
2010-2011 Course Guide

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SCHEDULING PHILOSOPHY
MILLSAP HIGH SCHOOL

(Applies to scheduled courses as well as the course selection process)

- ❖ Courses are selected during fall and spring of the prior year. Students meet with counselors in academic conferences to ensure proper academic placement. Information regarding course selection is then sent home to the parents. Parents may request a conference with the counselors regarding course selection.
- ❖ Teachers/staff are hired, and the master schedule is set, including class sizes, according to student selections. Staffing needs are dependent upon the integrity of this process.
- ❖ Courses listed in the catalog are subject to student selection patterns and staffing availability and though offered, may not actually become a part of the schedule.
- ❖ Students MUST follow their printed schedules, or they will have unexcused absences for the classes missed.

Possible Reasons for Schedule Changes:

- Senior not enrolled in a class REQUIRED for graduation
- Student scheduled for a class for which he/she already has credit
- Student is scheduled into a class for which the student does not have prerequisite, did not apply, or did not try out
- Student not enrolled in an application/audition course for which they were approved
- A scheduling error
- Balancing of class sizes
- Student needs to add a course to be a full time student/has an incomplete schedule
- Student is cut from athletic program (WITHIN THE CHANGE DEADLINE)
- Academic level changes (WITHIN THE CHANGE DEADLINE)

Deadlines:

1. **Deadline is 10 days after the start of the fall semester to submit a schedule change request.**
2. **For change from Advanced to Regular classes, deadline is within the first 10 days of school, or at the end of the first six weeks, or at the end of the semester.**
3. **Think carefully about your selections; especially advanced level classes!**
4. **Deadline is 5 days after the start of the spring semester to submit a schedule change request.**

The following requests will not be approved:

- Requests for a teacher change
- Requests for a lunch change
- Requests for an elective change
- Requests to drop a course after the drop deadline
- Requests to add a course after the add deadline
- Requests to drop an advanced course after the drop deadline
- Requests for a period change

Other notes:

- ✓ If a student changes academic levels, the grade carries over to the new class.
- ✓ The UIL only allows a one week grace period for completing work due to an incomplete; beyond this grace period the student is ineligible.
- ✓ Any schedule changes could result in other changes within the schedule.

STATE TESTING INFORMATION

9th Grade Testing
TAKS Reading
TAKS Math

10th Grade Testing
TAKS English/Language Arts
TAKS Math
TAKS Science
TAKS Social Studies

11th Grade Testing*
TAKS English/Language Arts
TAKS Math
TAKS Science
TAKS Social Studies

*The 11th grade test is an exit-level test on which students are required to meet minimum standards in order to receive a Texas high school diploma. Each Junior must be enrolled in English, Mathematics, Social Studies, and Science at the time of the 11th grade Exit-Level TAKS test.

State Standards
To review the Texas Essential Knowledge and Skills requirements for any course, visit the Texas Education Agency web site: www.tea.state.tx.us

GRADUATION PLANS
Freshmen entering 2007 and after

Course	Recommended	Distinguished
English	4 credits	4 credits
Math	4 credits	4 credits
Science	4 credits	4 credits
Social Studies	4 credits	4 credits
Language Other Than English	2 credits (same language)	3 credits (same language)
Physical Education	1.5 credits	1.5 credits
Health	0.5 credit	0.5 credit
Computer Technology	1 credit	1 credit
Comm. App. (Speech)	0.5 credit	0.5 credit
Fine Arts	1 credit	1 credit
Electives	3.5 credits	2.5 credits PLUS 4 additional measures*

Math courses must include Algebra I, Geometry and Algebra 2 and an additional course in mathematics.
Science courses must include Biology, Chemistry and Physics and an additional course in science.
*Advanced Measures include any combination of the following:

- a score of 3 or higher on an AP Exam
- a grade of B or higher in a Dual Credit or Articulated course
- a PSAT score (during the 3rd year of high school) that qualifies a student as a Commended Scholar, a National Hispanic Scholar, or a National Achievement Scholar by the National Merit Scholarship Program
- an original research project

SAMPLE WORKSHEET

Four Year Graduation Plan (26 Total Credits)

Graduation Plan: see specific requirements below

___Recommended
___Distinguished…..4 Advanced Measures Required
1. 3.
2. 4,

Advanced Measures include any combination of the following:
-a score of 3 or higher on an AP Exam
-a grade of B or higher in a Dual Credit or Articulated course
-a PSAT score (during the 3rd year of high school) that qualifies a student as a Commended Scholar, a National Hispanic Scholar, or a National Achievement Scholar by the National Merit Scholarship Program
-an original research project

Expected Graduation Date:_____

Classification: General Guidelines

Freshmen: 0-6 credits
Sophomore: 6-12 credits
Junior: 12-18 credits
Senior: 18+ credits

One Credit = One Full Year Students are required to take 7 classes/credits per year.

8th Grade: __ __Alg. 1 __ __Span. 1 __ __Germ. 1 __ __BCIS __ __Ag Science __ __Other: _____

Freshman Year: (semester 1 & 2)
__ __ 1. English 1
__ __ 2. Math: Alg. 1 or Geometry
__ __ 3. Science: Biology
__ __ 4. Social Studies: W. Geography
__ __ 5. _____
__ __ 6. _____
__ __ 7. _____

Sophomore Year: (semester 1 & 2)
__ __ 1. English 2
__ __ 2. Math: Geometry, Math Models, Alg. 2
__ __ 3. Science: Chemistry
__ __ 4. Social Studies: W. History
__ __ 5. _____
__ __ 6. _____
__ __ 7. _____

Junior Year: (semester 1 & 2)
__ __ 1. English 3
__ __ 2. Math: Math Models, Alg. 2, PreCal, College Alg
__ __ 3. Science: Physics
__ __ 4. Social Studies: U.S. History
__ __ 5. _____
__ __ 6. _____
__ __ 7. _____

Senior Year: (semester 1 & 2)
__ __ 1. English 4
__ __ 2. Math: Alg. 2, PreCal, College Alg.
__ __ 3. Science: _____
__ __ 4. Social Studies: Govt/Eco
__ __ 5. _____
__ __ 6. _____
__ __ 7. _____

Recommended Plan Requirements:
-2.0 credits of the same foreign lang.
-1.0 credit of Fine Art
-.5 credit (1 semester) of Speech
-1.5 credit of PE
-3.5 credits of electives
-1.0 credit of computer tech.
-.5 credit (1 semester) of Health

Distinguished Plan Requirements:
-3.0 credits of the same foreign lang.
-1.0 of Fine Art
-.5 credit (1 semester) of Speech
-1.5 credits of PE
-2.5 credits of electives
-1.0 credit of computer tech.
-.5 credit (1 semester) of Health

Both graduation plans require Alg. 1, Geometry, Alg. 2, and a 4th math.
If Math Models is selected, it must be taken prior to Alg. 2. Note: Math Models does not count on Distinguished Plan.

TABLE OF CONTENTS

"**" indicates new courses to MHS.

2010-2011 Course Offerings

Career Tech
Business

BUSINESS LAW Credits: 0.5 **(BLaw)**
Second Semester - Business Law will provide practical information on how to help students effectively handle personal legal situations. The student will have an opportunity to develop a better

understanding of the legal system and the forms it takes today. Areas of study in this one-semester course include contracts, employment, the court system, crimes and torts, bailments, and commercial paper as well as product warranties and wills.

Grade Levels: 10, 11, 12

PRINCIPLES OF BUSINESS, MARKETING AND FINANCE Credits: 1.0 (Previously Business Management/Business Ownership & Recordkeeping)
This course is designed to help students recognize, evaluate, and prepare for a rapidly evolving business environment that requires flexibility and adaptability. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace.

Grade Levels: 9, 10, 11, 12
Prerequisite: BCIS I

SPORTS AND ENTERTAINMENT MARKETING Credits: 0.5

This course will provide students with a thorough understanding of marketing concepts and theories that apply to sports, sporting events and entertainment. Topics will include basic marketing, target marketing, event marketing, sponsorship, promotions, marketing plans and proposals and management techniques. In this class, students will operate and market their own professional sports franchise team through a simulation project.

Grade Levels: 10, 11, 12
Prerequisite: Principles of Human Services

DOLLARS AND SENSE

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

Grade Levels: 10, 11, 12
Prerequisite: Principles of Human Services

Career Tech

Agriculture

ANIMAL SYSTEMS
Principles in Agriculture, Food & Natural Resources
Small Animal Management/Wildlife, Fisheries, and Ecology Management
Livestock Production /Equine Science
Advanced Animal Science/Advanced Plant and Soil Science

POWER, STRUCTURAL & TECHNICAL SYSTEMS
Principles in Agriculture, Food & Natural Resources
Ag Mechanics & Metal Technology
Agricultural Facilities Design and Fabrication
Agricultural Power Systems

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES (Intro to World Ag/Applied Ag) Credits: 1
A comprehensive course designed to introduce beginning students to global agriculture. The course includes agricultural career development, leadership, communications, and personal finance. This course serves as a prerequisite for all other Agricultural Science courses.

Grade Level 9-12

AG MECHANICS AND METAL TECHNOLOGY (Intro to Ag/Metal Fabrication) 1 year
This course is designed to familiarize the student with basic theory and specialized skills pertaining to agriculture mechanics. Topics include tool identification and safety, carpentry, electricity, plumbing, masonry, fence building, painting, cold metal work and machinery maintenance.

Grade Level 10-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

EQUINE SCIENCE Credits: 0.5
This is an animal science based course in which students will gain knowledge and skills related to animal systems. Units of study will include horses, donkeys and mules. This course will allow students to research careers in animal science including large animal and equine veterinarian.

Grade Level 10-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

HORTICULTURE SCIENCE Credits: 0.5

This course is designed to introduce students to horticulture sciences with the emphasis on technical skills, entrepreneurial skills, and occupational opportunities.

Grade Level 9-12
Prerequisite: Principles of Agriculture, Food and Natural Resources (may be taken concurrently)

LANDSCAPE DESIGN AND TURF GRASS MANAGEMENT Credits: 0.5
This is a technical course that prepares students to design, construct, and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation.

Grade Level 9-12
Prerequisite: Principles of Agriculture, Food and Natural Resources (may be taken concurrently)

LIVESTOCK PRODUCTION (Previously Animal Science) Credits: 0.5

Students will learn various careers in animal science, breeds of livestock, feeding and nutrition, genetics, evaluation and selection of livestock and simple medical procedures. Animal species to be addressed in this course will include beef cattle, dairy cattle, swine, sheep, goats and poultry.

Grade Level 10-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

SMALL ANIMAL MANAGEMENT Credits: 0.5

To be prepared 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.

Grade Levels: 9-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

ADVANCED ANIMAL SCIENCE Credits: 0.5
An advanced course designed to examine the interrelatedness of human and scientific dimensions of livestock production. Instruction is designed to expand one's knowledge of the principles related to animal agriculture necessary for animal production.

Grade Level: 11-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT (Wildlife) Credits: 0.5
To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, 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 their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices.

Grade Level: 9-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

AGRICULTURAL FACILITIES DESIGN AND FABRICATION Credits: 0.5

To be prepared for careers in mechanized agriculture and technical systems, 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.

Grade Level: 11-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

AGRICULTURAL POWER SYSTEMS Credits: 1.0

To be prepared for careers in agricultural power, structural, and technical systems, students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

Grade Level: 10-12
Prerequisite: Principles of Agriculture, Food and Natural Resources

BUSINESS MANAGEMENT AND ADMINISTRATION COURSE
PRINCIPLES OF BUSINESS, MARKETING AND FINANCE
BUSINESS INFORMATION MANAGEMENT 1
BUSINESS INFORMATION MANAGEMENT 2
BUSINESS MANAGEMENT

BUSINESS INFORMATION MANAGEMENT I Credits: 1 **(previously BCIS)**
This course introduces basic concepts and provides hands-on skills related to microcomputer systems and applications. Special emphasis is placed on basic skills for hardware, Windows, word processing, database, spreadsheet, telecommunications, desktop publishing, integrated software, networking, and social implications. This course is designed as a foundation course and provides the necessary preparation for advanced courses.

Grade Levels: 9, 10, 11, 12

BUSINESS INFORMATION MANAGEMENT II Credits: 1 **(Previously BCIS II)**
Students will recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students will use hands-on activities and projects to develop and strengthen intermediate and advanced skills in the areas of: word processing, database, spreadsheet, telecommunications, desktop publishing, integrated software, networking, presentation management, multimedia, and web-site development.

Grade Levels: 10, 11, 12
Prerequisites: Business Computer Information Systems I

FCCLA

PRINCIPLES OF HUMAN SERVICES: 1 (Previously PFD)
Learn about who and what makes you tick and develop skills to help you in all relationships. Students in this class will explore a broad range of knowledge and skills related to personal development promotions of strong families and preparation for adult roles. Laboratory experiences will be in food preparation and clothing/textiles.

Grade levels: 9, 10, 11, & 12

LIFETIME NUTRITION and WELLNESS Credits: 0.5 (Nutrition)
First Semester - This course concentrates on nutrition, food choices, and food management skills for individuals and the family throughout the life cycle. Instruction addresses nutrition and food science from the perspective of food habits and wellness, menu planning, special dietary needs, food costs and budgeting, consumer food-buying strategies, food safety and sanitation procedures, food labels, technology implications, and food handling, storage, and preparation practices. Laboratory experiences will include meal preparation.

Grade Levels: 10, 11, 12
Prerequisites: PRINCIPLES OF HUMAN SERVICES

FOOD SCIENCE Credits: 0.5 **(Foods)**
Second Semester - This course provides training in the area of food science and technology. Topics include diet-related disorders, diets appropriate to the life cycle and other factors, therapeutic diets, chemical and physical changes that affect food product quality, technologies used in food processing and product development, food safety and sanitation standards, market research, legal issues, and food policies. Laboratory experiences will include meal preparation.

Grade Levels: 10, 11, 12
Prerequisites: PRINCIPLES OF HUMAN SERVICES

CHILD DEVELOPMENT Credits: 1 **(Child Dev)**
This course stresses good parenting skills. Instruction relates to prenatal and postnatal care, development of children, and child guidance techniques. This course provides an in-depth study on all aspects of knowledge and skills relating to child development and care.

Grade Levels: 10, 11, 12
Prerequisites: PRINCIPLES OF HUMAN SERVICES

FASHION DESIGN Credits: 1 **(Fashion)**

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion and the textile and apparel industries.

Grade Levels: 10, 11, 12
Prerequisites: PRINCIPLES OF HUMAN SERVICES

INSTRUCTIONAL PRACTICE IN EDUCATION AND TRAINING (Previously Ready, Set, Teach) Credits: 1 **(RST)**
Ready, Set, Teach! is a field-based internship which provides students a background knowledge of child and adolescent development principles as well as principles of effective teaching practices. Students in Ready, Set, Teach!, which can be taken for one or two years, work under the joint direction and supervision of both a family and consumer sciences teacher and exemplary educators in direct instructional roles with elementary, middle, and/or high school-aged students. Students from the class plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers. The students are involved in observations as well as direct student instruction; placement rotations are utilized to allow students to have experiences in a full range of education career roles, grade levels, subject areas, and ability groups. During the course of each week, students enrolled in Ready, Set, Teach! are involved in instruction from the family and consumer sciences teacher as well as involved in supervised field-based observations and applications of principles/practices studied in the class.

Grade Levels: 11, 12
Prerequisite: Must have own transportation; teacher approval

CAREER PREPARATION I Credits: 1 **(Career 1)**
This cooperative education course provides students with a combination of classroom instruction and on-the-job training. Classroom instruction is designed to prepare students to succeed in the world of work. Topics include career exploration, job application, business practices, job success, professional development, and skills for successful living. Work-based training is provided under a cooperative arrangement between the school and the employer. Students receive job-specific training under the supervision of a training sponsor designated by the employer.

Grade Levels: 11, 12
Prerequisites: Must have transportation; must have a job; and must have teacher and principal approval

English

ENGLISH 1 Credits: 1 **(Eng I)**

English I is designed for students exhibiting average reading and language arts skills. Reading, vocabulary, writing, speaking, and listening skills are taught through reviewing grammar principles, writing compositions, and analyzing literature. The literature for this course includes poetry, short stories, novels, plays, and nonfiction.

Grade Levels: 9, 10

ENGLISH I HONORS Credits: 1 **(Eng I H)**
English I is designed for students exhibiting above average reading and language arts skills. Reading, vocabulary, writing, speaking, and listening skills are taught through reviewing grammar principles, writing compositions, and analyzing literature. The literature for this course includes poetry, short stories, novels, plays, and nonfiction. The rigor of this course exceeds its regular English counterpart, in order to better prepare students for college and to meet their academic needs.

Grade Level: 9
Prerequisites: Completion of eighth grade English; approval of eighth grade instructor; completion of summer reading requirements

ENGLISH II Credits: 1 **(Eng II)**
English II is designed for students exhibiting average reading and language arts skills. Reading, vocabulary, writing, speaking, and reading skills are taught through studying vocabulary, a review of grammar principles, writing compositions, and analyzing literature. The literature for this course includes poetry, short stories, novels, plays, and nonfiction.

Grade Levels: 10, 11

ENGLISH II HONORS Credits: 1 **(Eng II H)**
English II is designed for students exhibiting above average reading and language arts skills. Reading, vocabulary, writing, speaking, and reading skills are taught through studying vocabulary, a review of grammar principles, writing compositions, and analyzing literature. The literature for this course includes poetry, short stories, novels, plays, and nonfiction. The rigor of this course exceeds its regular English counterpart, in order to better prepare students for college and to meet their academic needs.

Grade Level: 10
Prerequisites: Completion of English I; approval of English I instructor; completion of summer reading requirements

ENGLISH III Credits: 1 **(Eng III)**
English III is designed for students exhibiting average reading and language arts skills. Reading, vocabulary, writing, speaking, and listening skills are taught through studying vocabulary, reviewing grammar principles, writing compositions and analyzing American literature. The American literature for this course includes poetry, short stories, novels, plays, and nonfiction.

Grade Levels: 10, 11, 12

ENGLISH III – DUAL CREDIT Credits: 1 **(Eng III DC)**

This course is designed to allow the students to obtain high school credit for English IV as well as their English 1302 college credit. In this course students will study the principles and techniques of written, expository, and persuasive composition; analysis of literary, expository, and persuasive texts; and critical thinking. Students will look at techniques for effective written expression and development of critical reading, thinking, and writing. This course emphasizes reading critically, using library resources, selecting appropriate content for and creating, organizing, writing, and revising academic essays.

Grade Level: 11
Prerequisite: Completion of English II; approval of English II instructor; pass Compass test; apply and register with Weatherford College

ENGLISH IV Credits: 1 **(Eng IV)**
English IV is a survey of British literature beginning with Beowulf in the Anglo-Saxon Period and concluding with works from twentieth-century British authors. Selected works from the major authors of each time period will be read and discussed, including poetry, novels, short stories, and dramas. Background material concerning each time period and its culture will be presented to aid in the understanding of the literature. Students will write themes based on the literature as well as take both short-answer and essay-type examinations. Writing for this course includes a literary analysis paper with proper documentation and a research paper. Proofreading, revising, and studying vocabulary and sentence structure are included to aid students in being precise and clear in their writing.

Grade Levels: 12

ENGLISH IV – DUAL CREDIT Credits: 1 **(Eng IV DC)**
This course is designed to allow the students to obtain high school credit for English IV as well as their English 1301 college credit. In this course, the students will study the principles and techniques of written, expository, and persuasive composition; analysis of literary, expository, and persuasive texts; and critical thinking. Students will look at techniques for creating effective oral and written expression; developing critical reading and thinking skills; writing effective essays including a major research paper and a literary analysis paper; and conducting library research.

Grade Level: 12
Prerequisite: Completion of English III; approval of English III instructor; pass Compass test; English 1301 & 1302

Fine Arts

CONCERT/MARCHING BAND Credits: 1 **(Band)**
Students study a variety of styles of music literature, emphasizing full band, solo and ensemble performance. Students continue to develop good tone, intonation, articulation and style. Students participate in school and local performances and in local, district and regional festivals including marching and concert band. Students are given the opportunity to compete in regional solo and ensemble contests, UIL concert and sight-reading contest, and other festivals throughout the year.

Grade Levels: 9, 10, 11, 12

CHOIR Credits: 1 **(Choir)**
This course emphasizes performance, voice building and music reading. Students prepare choral music for performances at school and community venues. The objectives are to pursue musical excellence in vocal technique, achieve a moderate degree of music literacy, and to gain enjoyment through being in a performance group.

Grade Levels: 9, 10, 11, 12

MUSIC HISTORY Credits: 1 **(Mus Hist)**
This course presents a wide variety of music from ancient styles to modern styles.

Grade Levels: 9, 10, 11, 12

THEATER ARTS I Credits: 1 **(The. Arts)**
This is an introduction to all areas of theater, but heavily emphasizes the basics of acting. Students will participate in projects, monologue, scene work, and in-class productions.

Grade Levels: 9, 10, 11, 12

ART I Credits: 1 **(Art)**
This art elective offers an interesting variety of 2-dimensional and 3-dimensional experiences for the student who would like to learn more about art. Areas covered may include: drawing, painting, design, sculpture, crochet, architecture, and art history. The student will be required to furnish a short list of supplies.

Grade Levels: 9, 10, 11, 12

Foreign Language

SPANISH I Credits: 1 **(Span 1)**
This is Level I of high school Spanish offering the student the opportunity for acquisition of the four basic language skills: listening, speaking, reading, and writing. The primary objective of the level one course is to develop audio-lingual skills and to obtain a mastery of simple basic communicative structures. The students will develop a cultural appreciation of the Hispanic World and recognize the interdependence of languages.

Grade Levels: 10, 11

SPANISH II Credits: 1 **(Span 2)** Level II continues the Level I emphasis on listening and speaking skills. However, more complex grammatical structures are introduced and reading and writing skills are developed to a higher level of proficiency. The interdependent roles of culture and language are studied in more depth and Level II students are expected to grasp the relevance of Hispanic countries and cultures in today's world.

Grade Levels: 10, 11, 12
Prerequisites: Spanish I

SPANISH III Credits: 1 **(Span 3)**
Students will continue their development into the four language skills while concentrating on conversational Spanish. Students will be graded on both oral and written proficiency. The expansion of vocabulary and more complex grammatical structures continues and reading and writing skills are developed to a higher level of proficiency. Culturally related activities of selected Hispanic countries and regions will be explored.

Grade Levels: 11, 12
Prerequisites: Spanish I & II

SPANISH IV Credits: 1 **(Span 4)**
This course is designed to develop the student's oral proficiency while fostering the enjoyment of understanding literature from the Spanish speaking world. The content will primarily be literature and conversation; how-ever, there will be review of grammar and studies of new vocabulary plus emphasis on Hispanic culture and history. The student will be able to understand conversations about routine social conventions and limited school or work requirements, be able to satisfy most survival needs and limited social demands, and be able to read edited textual material or authentic printed material within formal context.

Grade Levels: 11, 12
Prerequisites: Spanish I, II & III

Health

HEALTH Credits: 0.5 **(Health)**
Health is designed so that students will develop an understanding of concepts and skills that foster personal health and safety. Topics included in this course are personal health practices, mental health, violence prevention, nutrition, drugs and alcohol, tobacco, CPR, disease prevention, parenting and paternity awareness, community, consumer, and environmental health.

Grade Levels: 8, 9, 10, 11, 12

Communications

COMMUNICATIONS APPLICATIONS Credits: 0.5 **(Speech)**
This course will help the student to develop skills in oral communication that are fundamental to all other learning and to all levels of human interaction. Students must understand concepts and processes involved in sending and receiving oral messages, evaluating, using nonverbal communication and listening for a variety of purposes. Students develop communication competence in interpersonal, group, and public interaction to establish and maintain productive relationships and function effectively in social, academic, and citizenship roles.

Grade Levels: 9, 10, 11, & 12

Mathematics

ALGEBRA I Credits: 1 **(Alg I)**

A student enrolls in Algebra I as a one-year course. The course involves a study of the real numbers and their properties, simplifying expression, the language of Algebra, solving and graphing linear equations and inequalities, linear and quadratic relations and functions, ratios, proportions and variations, and polynomials. The student should acquire a basic knowledge of the structure and use of Algebra.

Grade Levels: 9, 10

GEOMETRY Credits: 1 **(Geom)**
Students enroll in geometry as a one-year course. This course is an in-depth study of plane and solid figures. The student will apply the principles of inductive and deductive reasoning in developing basic proofs. Particular emphasis is given to applying definitions, conjectures, postulates, and theorems. The student will study the basic properties of lines, planes, polygons, circles, and geometric solids. Topics include the principle of congruence and similarity of triangles and the basic concepts of coordinate and transformational geometry. The course is directed toward giving the student a thorough understanding of Euclidean geometry.

Grade Levels: 9, 10, 11, 12
Prerequisites: Algebra I

ALGEBRA II Credits: 1**(Alg II)**
A student enrolls for Algebra II as a one-year course. This course includes a study of foundations of functions, identifying and graphing parent functions, extending those functions using transformations, analyzing the relationships between those functions and their inverses, and identifying and graphing conic sections. Systems of equations and inequalities will be solved using algebraic methods, tables, graphs, and matrices.

Grade Levels: 10, 11, 12
Prerequisites: Algebra I and Geometry

MATHEMATICAL MODELS/APPLICATIONS Credits: 1 **(Math Mod)**
In this class students will continue to build on the Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, patterns, music, science, design and chance. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. Students use a variety of representations (concrete, numerical, and graphical), tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

Grade Levels: 11
Prerequisites: Algebra I, Geometry (must be taken prior to Alg. 2)

PRE-CALCULUS Credits: 1 **(PreCal)**

A student enrolls in pre-calculus as a one-year course. The course covers material leading into Calculus. Polynomial functions, exponential functions, logarithmic functions, rational functions, circular and trigonometric functions, vectors, parametric equations, sequences and series, and second-degree relations are all studied in detail.

Grade Levels: 10, 11, 12
Prerequisites: Algebra I, Algebra II and Geometry

ALGEBRA III Credits: 1 **(Alg III)**
This is a course used to bridge a gap between Algebra II and Pre-Calculus or College Algebra. The students will study relations and functions: polynomial, radical, rational, exponential, and logarithmic. This course also includes the study of periodic functions, trigonometric identities and equations, and a review of conic sections.

Grades: 11, 12
Prerequisites: Algebra I, Algebra II, Geometry

COLLEGE ALGEBRA Credits: 1
Relations and functions: linear, polynomial, rational, exponential, logarithmic, and inverse functions, composition of functions, absolute value, theory and systems of equations, complex numbers, matrices, sequences, and the binomial theorem. Basic algebra will be reviewed as needed.

Prerequisite: Algebra I, Geometry, and Algebra II if taking for high school credit.
If taking for dual credit you also must meet WC guidelines.

Miscellaneous Electives

EARLY RELEASE Credits: 0 **(Early Rel)**
Grade Levels: 12
Prerequisites: Must have personal transportation

WORK EARLY
Grade Levels: 12
Prerequisites: Must have personal transportation and be in the Diversified Careers (Work Program)

****NEW TESTAMENT – DUAL CREDIT** Credits: 0.5 **(New Test DC)**
A survey of the Hebrew people and their faith based on a survey of the books of the Old Testament including the authorship, time of writing, and general content of each book.

Grade Levels: 11, 12

****OLD TESTAMENT – DUAL CREDIT** Credits: 0.5 **(Old Test DC)**
A survey of the New Testament, giving primary consideration to the historical background of the Christian faith, information on the general content, authorship, time, and purpose of each book.

Grade Levels: 11, 12

Physical Education

Boys' Athletics I Credits: 0.5 **(BAth 1)**

Boys' Athletics II Credits: 0.5 **(BAth 2)**

Boys' Athletics III Credits: 0.5 **(BAth 3)**

Boys' Athletics IV Credits: 0.5 **(BAth 4)**

Boys' Athletics Elective Credits: 0.5 **(BAth Elec)**

Girls' Athletics I Credits: 0.5 **(GAth 1)**

Girls' Athletics II Credits: 0.5 **(GAth 2)**

Girls' Athletics III Credits: 0.5 **(GAth 3)**

Girls' Athletics IV Credits: 0.5 **(GAth 4)**

Girls' Athletics Elective Credits: 0.5 **(GAth Elec)**

Physical Education I Credits: 0.5 **(PE 1)**

Physical Education II Credits: 0.5 **(PE 2)**

Physical Education III Credits: 0.5 **(PE 3)**

Science

BIOLOGY I Credits: 1 **(Bio)**
Biology provides instruction with emphasis on developing skills in the use of the scientific method, developing scientific attitudes and relating scientific knowledge to today's world. Students in biology study a variety of topics determined by the state's TEKS: structure and function of cells and viruses; growth & development of organisms; genetics, biotechnology, biological evolution; taxonomy; energy transfer through living organisms; and ecology. Dissections are required.

Grade Levels: 9, 10

CHEMISTRY I Credits: 1 **(Chem)**
This course is designed to acquaint students with the building blocks and concepts of Chemistry. Some of the topics covered are Classification of Matter; Acids, Bases, and Salts; Atomic Theory; The Periodic Table; Chemical Bonding; Quantitative Relationships; Gases; and Qualitative Analysis. Focus on developing scientific writing skills, scientific reasoning, and mathematical problem solving and laboratory skills.

Grade Levels: 10, 11
Prerequisites: Biology and Algebra I

PHYSICS Credits: 1 **(Physics)**
The basic concepts of Physics are presented in this course. The central theme, the interrelationship between matter and energy, is applicable to all sciences. Newtonian Mechanics, the physical system used to interpret most daily phenomena, is the first concept presented in the fall semester. Then, each form of energy-heat, light, electric, nuclear-and the basic structure of matter are intertwined. As these interrelationships are developed, the conservation laws are demonstrated and problem solving skills are emphasized. Laboratory activities are required. (**Honors Class**)

Grade Levels: 11, 12
Prerequisites: IPC or Chemistry 1 and Algebra 2

ANATOMY AND PHYSIOLOGY Credits: 1 **(A&P)**
This course is designed as an introduction to anatomy and physiology through general exploratory activities in the structure and function of the components of the human body. Students will practice methods and techniques of a science laboratory, build a mature understanding of the relationship between structure and function of the human body and acquire a realization of the interrelationship of the body systems. This course is particularly recommended for students who expect to work in the health fields. Students should expect in-class activities, homework, various assignments, papers and projects. Lab activities are required.

Grade Levels: 11, 12
Prerequisites: Must have taken or be enrolled in Chemistry

****ENVIRONMENTAL SYSTEMS** Credits: 1 **(Env Sys)**

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy though an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments.

Grade Levels: 11, 12
Prerequisites: Biology

Social Studies

WORLD GEOGRAPHY Credits: 1 **(W Geog)**
World Geography studies include the physical features of the planet Earth, its composition, tectonic forces, and surface structure. The use and abuse of the earth's resources by man are studied with regard to their effect on the ecology of the planet. A study of maps is presented to assist the student in recognizing the major land-forms and water systems of the world.

Grade Levels: 9

WORLD HISTORY Credits: 1**(W Hist)**
World History studies include the development of an understanding of the people and events that occurred during the Ancient, Medieval, and Modern eras. Although the Greek, Roman, and Western European heritage will be emphasized, the contributions and developments of Eastern culture are also presented for understanding.

Grade Levels: 10

UNITED STATES HISTORY Credits: 1 **(US Hist)**
United States History examines the people and events that shaped this country from the period of Reconstruction to the present time. Included in this study are the presidential administrations, foreign and domestic policies and the global wars that transformed America from an isolated country to a modern world power. Also, the people and events that gradually changed the United States from a rural agricultural nation to an urban, industrial power are studied.

Grade Levels: 11

****UNITED STATES HISTORY - DUAL CREDIT** Credits: 1 **(US Hist DC)**
United States History examines the people and events that shaped this country. Included in this study are the presidential administrations, foreign and domestic policies and the global wars that transformed America from an isolated country to a modern world power. Students must be enrolled in this course for the entire year and will not be allowed to enter at the semester.

Grade Levels: 11, 12

Prerequisites: Instructor approval; acceptance into Weatherford College

UNITED STATES GOVERNMENT Credits: 0.5 **(US Govt)**
First Semester - Government is a study of the historical forces that influenced our Founding Fathers to create the Constitution at Philadelphia. This course includes a study of the structure and content of the Constitution as well as the extensions and alterations, which occurred during its 200 years of existence and application.

Grade Levels: 12

ECONOMICS Credits: 0.5 **(Economics)**

Second Semester - Economics is a one-semester course that emphasizes the essentials and benefits of the free enterprise economic system. Students are expected to gain the knowledge, skills, and the attitudes that will enable them to contribute to and maintain the system. Topics covered include: profit and competition; the role of the government; taxation; the roles of business and the consumer; financial literacy; and the interaction of the American economy in the world market.

Grade Levels: 12

PSYCHOLOGY Credits: 0.5 **(Psych)**
First Semester - The objectives for this course are that students will gain a sound understanding of psychological concepts and applications and be able to use that knowledge effectively in new situations throughout their lives. Students should leave the course being able to think critically and to use the scientific method ably to evaluate information.

Grade Levels: 11, 12

SOCIOLOGY Credits: 0.5 **(Soc)**
Second Semester - This sociology course is designed to introduce students to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, social institutions, and social change. Major themes in sociological thinking include the interplay between the individual and society, how society is both stable and changing, the causes and consequences of social inequality, and the social construction of human life. Understanding sociology helps us to discover and explain social patterns and to see how such patterns change over time and in different settings.

Grade Levels: 11, 12