



**Denver City High School**

Graduation Plan & Course Guide

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**High School Graduation Requirements**

1. A student shall enroll in the courses necessary to complete the state of Texas curriculum requirements for one of the following graduation plans:
   1. Entered 9th grade in 2014-2015 or after:

\*The Foundation High School Program with at least one endorsement. These students must have an endorsement plan on file that is signed by the parent/guardian.

* 1. Entered 9th grade in 2013-2014 or before:
     1. \*The Foundation High School Program with at least one endorsement
     2. The Distinguished High School Program
     3. The Recommended High School Program

\*Students on The Foundation High School Program with an endorsement at FHS will take Algebra II which allows them to receive the Distinguished Level of Achievement. This also allows them to be eligible for the Texas Grant.

1. All credits for graduation must be earned no later than the fourth year of high school.
2. A student must fulfill TEA testing requirements for graduation which includes STAAR end-of-course exams in 5 subjects: English I, English II, Algebra 1, Biology, and US History.
3. There are 26 state credits required for graduation.

**High School Graduation Checklist**

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**Math Pathways**

|  |  |
| --- | --- |
| Math Path 1 | |
| 9th | Algebra 1 |
| 10th | Geometry |
| 11th | Financial Math |
| 12th | Algebraic Reasoning or Algebra 2 |
|  |  |
| Math Path 2 | |
| 9th | Algebra 1 or Algebra 1 Honors |
| 10th | Geometry |
| 11th | Algebra 2 (must pass Math TSI) |
| 12th | Pre-Cal Honors or College Algebra |
|  |  |
| Math Path 3 | |
| 9th | Algebra 1 Honors |
| 10th | Geometry/Algebra 2 Honors (block) |
| 11th | Pre-Cal Honors |
| 12th | Calculus Honors or College Algebra |
|  |  |
|  |  |

# Course Descriptions

**Language Arts**

**ENG1 - English 1 9th Grade Credit: 1**

This class focuses on skills focusing on improving writing and communication skills. Compositions, mechanics, word usage, and grammar are emphasized as students prepare for the STARR End of Course. Works that may be studied include: Shakespeare’s Romeo and Juliet, Harper Lee’s To Kill a Mockingbird, and George Orwell’s Animal Farm, numerous short stories, and various poems. Also included is a study of the literary devices based upon reading a series of short stories. Included with this is a vocabulary study.

**Prerequisite: None**

**ENG1H - English 1 - Honors 9th Grade Credit: 1** This course demands that students use higher level thinking skills as they analyze literature, compose written assignments, and prepare oral presentations. MUCH OUTSIDE READING AND WRITING IS REQUIRED. Accelerated pace. Summer assignments are required.

**Prerequisite: Meet Honors Guidelines**

**ENG2 - English 2 10th Grade Credit: 1**

This class emphasizes correct usage of grammar with a variety of sentence structures utilizing a more advanced vocabulary in the multi-paragraph composition. A survey of world literature includes the short story, poetry, drama, and the novel through thematic units. Higher level thinking skills are stressed.

**Prerequisite: English 1 or English 1 Honors**

**ENG2H - English 2 - Honors 10th Grade Credit: 1** Based on individual initiative and performance, the student is guided through the study of the literary genres. Fiction and non-fiction literature is read and analyzed in terms of tone, mood, and diction.

Students are encouraged to experiment with different writing styles of writing. Grammar review is used as a supplement to the writing curriculum. Higher level thinking skills are involved in discussion and on writing assignments. MUCH OUTSIDE READING IS REQUIRED. Accelerated pace. Summer assignments are required.

**Prerequisite: Meet Honors Guidelines & English 1 or English 1 Honors**

**ENG3 - English 3 11th Grade Credit: 1**

This class focuses on analysis of American literature as presented in prose, poetry, film, and drama. The approach will use historical points and/or thematic units. Essay writing will be stressed with concern given to both structure and grammatical correctness of written work. Longer themes will be typed.

**Prerequisite: English 2 or English 2 Honors**

**ENG3H - English 3 - Honors 11th Grade Credit: 1** This course focuses on reading American Literature, analysis writing, exposition, and persuasion. Daily responding, written and oral, is expected. Idea generation and idea interaction are required. THIS

COURSE REQUIRES HEAVY WRITNG AND READING. Accelerated pace. Summer assignments are required.

**Prerequisite: Meet Honors Guidelines & English 2 or English 2 Honors**

**ENG4 - English 4 12th Grade Credit: 1**

In this class students are given a survey of English literature from the Anglo-Saxon times to the 1900’s. The students focus on using higher level thinking skills as they analyze and write about this literature. Sophisticated vocabulary usage is stressed. In addition, the students work on ACT and SAT practice tests. **Prerequisite: English 3 or English 3 Honors**

**ENG4 - English 4 - Honors 12th Grade Credit: 1**

In this class students are given a survey of English literature from the Anglo-Saxon times to the 1900’s. The students focus on using higher level thinking skills as they analyze and write about this literature. Sophisticated vocabulary usage is stressed. In addition, the students work on ACT and SAT practice tests. **Prerequisite: Meet Honors Guidelines & English 3 or English 3 Honors**

**JOURN - Journalism 1 9th -12th Grade Credit: 1** Students will learn the history of journalism and the basics of writing news features, editorials, and headlines. They will conduct interviews and write stories. Students will understand the parts and purposes of yearbooks and newspapers, along with the responsibilities of staff positions. The class will discuss journalistic job opportunities and some broadcast journalism. Students will learn basic photography techniques and some black and white film developing and printing.

**Prerequisite: None**

**Math**

**MA A1 - Algebra 1 9th Grade Credit: 1**

This course introduces students to algebra beginning with variables and real numbers. It also covers solving equations, polynomials, factoring, fractions, linear equations, parabolas and quadratic equations, rational and irrational numbers, systems, and functions. Graphing calculator required.

**Prerequisite: None**

**MA A1H - Algebra 1 - Honors 9th Grade Credit: 1**

A compacted and intensified form of the regular Algebra course. Emphasis will be placed on application problems which are aimed at increasing a student’s logical thinking skills. Accelerated pace. Graphing calculator required. Summer assignment required.

**Prerequisite: Meet Honors Guidelines**

**MA G - Geometry 10th Grade Credit: 1**

This course will cover angles and measures: parallel/perpendicular lines and planes: congruent/similar triangles, and polygons; right triangles, and trig rations; area. Emphasis will be placed on application problems which are aimed at increasing a student’s logical and analytical thinking skills. Graphing calculator required.

**Prerequisite: Algebra 1 or Algebra 1 Honors**

**MA GH - Geometry Honors 10th Grade Credit: 1**

**Block Class** - A compacted and intensified form of the regular Geometry and Algebra II course. Emphasis will be placed on application problems which are aimed at increasing a student’s logical thinking skills. Accelerated pace. Graphing calculator required. Summer assignment required.

**Prerequisite: Honors Guidelines & Algebra 1 or Algebra 1 Honors**

**MA FM - Financial Math 11th – 12th Grade Credit: 1** Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors.

**Prerequisite: Geometry**

**MA A2 - Algebra 2 11th – 12th Grade Credit: 1**

This course will cover a review of Algebra I, coordinate geometry, complex numbers, quadratic equations, analytical geometry, logarithm, series, an introduction to trigonometry, matrices, and systems. Graphing calculator required.

**Prerequisite: Algebra 1 or Algebra 1 Honors & Geometry**

**MA A2H - Algebra 2 Honors 10th Grade Credit: 1**

**Block Class** - A compacted and intensified form of the regular Geometry and Algebra II course. Emphasis will be placed on application problems which are aimed at increasing a student’s logical thinking skills. Accelerated pace. Graphing calculator required. Summer assignment required.

**Prerequisite: Honors Guidelines & Algebra 1 or Algebra 1 Honors**

**MA AR - Algebraic Reasoning 12th Grade Credit: 1** Students generalize mathematical ideas from a set of particular instances, establish those generalizations through the discourse of argumentation, and express them in increasingly formal and age-appropriate ways.

**Prerequisite: Geometry**

**MA PCH - Pre-Calculus - Honors 11th - 12th Grade Credit: 1** This course is designed to teach advanced Algebra skills and Trigonometry, which serves as a background for Calculus. This course will consist of work with coordinates, polynomials, inequalities, functions, exponents, and logarithms. In addition, trigonometry, conic sections, vectors, probability, statistics, sequences and series will be discussed. Accelerated pace. Graphing calculator required.

Summer assignment required.

**Prerequisite: Honors Guidelines & Algebra 2**

**MA CAL - Calculus Honors 11th – 12th Grade Credit: 1**

This course is designed to prepare students for college level calculus. A strong background in Algebra, Geometry, and Trigonometry is suggested. After a brief review of Algebra, this course will cover a geometric interpretation of derivatives using limits. It will continue with the evaluation and application of derivatives and integrals of all types. Accelerated pace. Graphing calculator required. Summer assignment required.

**Prerequisite: Honors Guidelines & Pre Cal Honors**

**Science**

**SC B - Biology 9th grade Credit: 1**

This course covers the simplest to the most complex living organisms. It includes the make-up of organic & inorganic materials. Biology covers the external and internal anatomy of animals. Students will be provided with the opportunity to dissect and be involved in other hands-on activities. Includes 60% class time, 40% lab time.

**Prerequisite: None**

**SC BH - Biology Honors 9th Grade Credit: 1** Content same as Biology but with more detail. This course focuses on material used on UIL science exams. Accelerated pace.

**Prerequisite: Meet Honors Guidelines**

**SC CH - Chemistry 10th Grade Credit: 1**

An introduction to the basic physical principles of chemistry, including measurements, atomic structure, the periodic table, chemical bonding, chemical reactions, gas laws, states of matter and its properties. The class will be 40% laboratory and 60%.

**Prerequisite: Biology & Algebra 1**

**SC CHH - Chemistry Honors 10th Grade Credit: 1** A more mathematics based, in-depth study of the topics included in Chemistry 1. This is a college preparatory class for college chemistry. Success in Algebra 1 is a must.

**Prerequisite: Meet Hon Guidelines, Biology 1, Geometry (or concurrent enrollment)**

**SC PT - Principles of Technology 11th Grade Credit: 1**

In Principles of Technology, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe.

**Prerequisite: Meet Hon Guidelines, Biology 1, Geometry (or concurrent enrollment)**

**SC PH - Physics 11th – 12th Grade Credit: 1**

Individualizes study in specialized areas of Physics with relationships between matter and energy, particles and waves. Its purpose is to develop skills in observation, experimentation, and explanations. Lab time will consist of 40% lab. Students must be self-motivated. Accelerated pace.

**Prerequisite: Chemistry or Chemistry Honors**

**SC PHH Physics - Honors 11th – 12th Grade Credit: 1**

A math-based course covering topics such as: Motion, Forces, Momentum, Energy, Waves, sound, Light, Electricity and Magnetism. This is a college preparatory class and success in Algebra II is a must. This class will include laboratory instruction.

**Prerequisite: Meet Honors Guidelines**

**SC APH - Anatomy & Physiology Honors 11th – 12th Grade Credit: 1** Students will study parts of the human body and how it interacts to the world around it. A good introductory course for students planning on entering the health field. Lab time consists of 40% lab. Accelerated pace. Summer assignments will be made.

**Prerequisite: Meet Honors Guidelines**

**SC FS - Forensic Science 12th Grade Credit: 1**

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

**Prerequisite: None**

**SC ES - Environmental Systems 12th Grade Credit: 1**

The science of conservations and ecosystems.

**Prerequisite: None**

**AG AAS - Advanced Animal Science 12th Grade Credit: 1** Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

**Prerequisite: Biology and Chemistry, Algebra I and Geometry, Small Animal/Equine or Livestock Production**

Also Ag Animal Science class

**Social Studies**

**H WG - World Geography 9th Grade Credit: 1**

The similarities and differences of the world’s topographical, climatic, and cultural regions are discussed with emphasis on the physical world in which we live and it’s urban, economic, historical, and political background. Notebook required.

**Prerequisite: None**

**H WGH - World Geography Honors 9th Grade Credit: 1** Will cover the basics of World Geography with more intensified discussion and additional outside assignments to encourage a much deeper understanding of our world. Accelerated pace.

**Prerequisite: Meet Honors Guidelines**

**H WH - World History 10th Grade Credit: 1**

This course is the study of ancient civilization. The year begins with a review of general geography; then, early civilizations are studied, traced, and identified. This is done with the use of notes, film maps, reading, and lecture. Study goes from early civilizations up through the 20th century.

**Prerequisite: World Geography or World Geography Honors**

**H WHH - World History Honors 10th Grade Credit: 1**

This course is a compacted form of the regular World History course. Intensive study from the early civilizations through the 20th century is included. Much group and individual research is required, along with the presentation of material. Accelerated pace.

**Prerequisite: Meet Honors Guidelines, World Geography or World Geography Honors**

**H US - U.S. History 11th Grade Credit: 1**

This course covers the main events, issues, and the men and their significance in American History from the Civil War to the present.

**Prerequisite: World History or World History Honors**

**H USH - U.S. History Honors 11th Grade Credit: 1**

This course is a compacted form of the U.S. History course. Including intensive study from the Civil War period to present. Accelerated pace.

**Prerequisite: Meet Honors Guidelines, World History or World History Honors**

**H GOV - U.S. Government 12th Grade Credit: 0.5** Covers history of American political ideas, rights guaranteed in the Constitution, the three branches of government, voting/elections/interest groups, and criminal law. Book reports and group work are added to worksheets and notes. A mock trial will be part of the curriculum.

**Prerequisite: US History or US History Honors**

**H GOVH - U.S. Government Honors 12th Grade Credit: 0.5** A compacted form of regular Government courses. AP Government is an intensive study of American political idea and the U. S. Constitution. Accelerated pace.

**Prerequisite: Meet Honors Guidelines, US History or US History Honors**

**H ECO - Economics 12th Grade Credit: 0.5** This class is an introduction to economics with an emphasis on current events. It includes basic vocabulary, supply/demand, world trade, business cycle, and comparative economics. Notebook required.

**Prerequisite: US History or US History Honors**

**H ECOH - Economics Honors 12th Grade Credit: 0.5** A compacted form of the regular Economics course. AP Economics is an intensive study of economics and business with additional assignments on personal finance, consumerism, and financial portfolios, etc. Accelerated pace.

**Prerequisite: Meet Honors Guidelines, US History or US History Honors**

**Foreign Language**

**CS1 - Computer Science 1 9th - 12th Grade Credit: 1**

This course teaches the language of computers. This course fosters students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Through data analysis, students access, analyze, and evaluate information needed to solve problems. It is considered a Foreign Language credit. To take as a 9th grader, you must be taking Algebra 1 Honors.

**PREREQUISITE: Algebra 1**

**COPREREQUISITE: Algebra 1 Honors (as a freshman)**

**CS2 - Computer Science 2 10th - 12th Grade Credit: 1**

Second course in the field. Counts as a second Foreign Language.

**PREREQUISITE: Computer Science 1**

**SPAN1 - Spanish 1 8th - 12th Grade Credit: 1**

Establishes the foundation of the Spanish language in the areas of speaking, listening, reading, and writing, and uses games and a variety of activities in instruction and promotion of the skills, especially speaking & listening. In some classes the video taping of students’ original presentations will be used to reinforce the skills.

**PREREQUISITE: None**

**SPAN2 - Spanish 2 9th - 12th Grade Credit: 1**

Increases the fluency of the student by building on the foundation from the first year. Students learn to further develop their reading, writing, listening, and oral skills in Spanish.

**PREREQUISITE: Spanish 1**

**SPAN3 - Spanish 3 AP 12th Grade Credit: 1**

As a continuation of Spanish II, this course focuses on the student’s abilities to master the basic skills of the Spanish language (reading, writing, listening, and oral). Additionally, studies of the Hispanic culture will be emphasized, and students will have an opportunity to independently research a Spanish-speaking country of their choice.

**PREREQUISITE: Spanish 2**

**Speech**

**PROFCM - Professional Communications 11th Grade Credit: 0.5** For successful participation in professional and social life, students must develop effective communication skills. Expanding technologies and changing social and corporate systems demand that students send clear verbal messages, choose effective nonverbal behaviors, listen for desired results,

and apply valid critical thinking and problem-solving processes. Students identify, analyze, develop, and evaluate communication skills for professional and social success. ***This course meets the speech requirement.***

**Prerequisite: None**

**Fine Arts**

**BANDMB - Marching Band 1 See Description under Physical Education (PE)**

**BAND1 - Band 1 9th Grade Credit: 1.0**

Open to all students who have had previous experience in musical activities in their community or school. Fall and winter activities will include marching at all football games, flag corps, and twirling contest, percussion contest, and marching festivals, biannually, district and regional marching contest and state championship in Austin. Every other year the band takes special trips to contests and parades. Other activities include all region band tryouts, state band tryouts and district solo-ensemble contests in Lubbock. Spring activities include stage band contest, district sight reading contest, band banquet, spring contest and the Texas State solo-ensemble contest in Austin. Due to all these activities, band is a full school year course. Students must be enrolled in Instrumental Ensemble and Mustang Band.

**COREQUISITES: If you take this course, you must also take Marching Band**

**BAND2 - Band 2 10th Grade Credit: 1.0**

**BAND3 - Band 3 11th Grade Credit: 1**

**BAND4 - Band 4 12th Grade Credit: 1**

**BANDLB - Lab Band 9th – 12th Grade Credit: 1**

Open to all students who want to learn a new instrument or further their learning on their present instrument. Activities for this class include beginning, intermediate, and advanced instrumental studies, stage band, flag corps, twirling, all region band, and solo ensemble work. Students must participate in both Mustang Band and instrumental ensemble classes.

**PREREQUISITE: Enrolled in Band/Mustang Band**

**ART1 - Art 1 9th – 12th Grade Credit: 1** This course may include drawing using pencil, colored pencil & charcoal, using subjects including landscape, still life & portrait. Other techniques may include two-dimensional design, relief sculpture, watercolor painting, hand-built ceramics, and relief printing. Career surveys will also be a part of this course.

**PREREQUISITE: None**

**ART2 - Art 2 9th – 12th Grade Credit: 1**

This course may include self-portrait study, drawing in color, oil painting, linoleum & block printing, mask-making, wheel thrown pottery, fabric dyeing, sculpture and career studies.

**PREREQUISITE: Art 1**

**ART3 - Art 3 10th – 12th Grade Credit: 1**

**PREREQUISITE: Art 2**

**ART4 - Art 4 11th – 12th Grade Credit: 1**

**PREREQUISITE: Art 3**

**THART1 - Theater Arts 1 9th - 12th Grade Credit: 1** Theatre Arts will incorporate an introduction to theater, the role of the actor in interpreting dramatic literature, performance theory and techniques, and an overview of the technical elements of theatrical production.

**PREREQUISITE: None**

**THTECH - Tech Theater 1 9th - 12th Grade Credit: 1** Working with the "behind-the-scenes" projects, such as lighting, props, backdrops, costuming, makeup, etc.

**PREREQUISITE: Theatre Arts 1**

**THPRO1 - Theater Production 1 9th - 12th Grade Credit: 1**

This class will be used solely for the preparation and rehearsal of all drama events. Students in the class are required to participate in drama events.

**PREREQUISITE: Theater Arts 1**

**THPRO2 - Theater Production 2 10th - 12th Grade Credit: 1**

This class will be used solely for the preparation and rehearsal of all drama events. Students in the class are required to participate in drama events.

**PREREQUISITE: Theater Production 1**

**THPRO3 - Theater Production 3 11th - 12th Grade Credit: 1**

This class will be used solely for the preparation and rehearsal of all drama events. Students in the class are required to participate in drama events.

**PREREQUISITE: Theater Production 2**

**THPRO4 - Theater Production 4 12th Grade Credit: 1**

This class will be used solely for the preparation and rehearsal of all drama events. Students in the class are required to participate in drama events.

**PREREQUISITE: Theater Production 3**

**FLORAL - Floral Design 9th - 12th Grade Credit: 1**

Floral Design 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. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

**PREREQUISITE: None**

**Also Agriculture class**

**Physical Education**

**Athletics 9th – 12th Grade Credit: 1**

Student athletes will participate in one of the organized sports. They include volleyball, football or basketball. Fall sports of cross-country do not count toward the state requirement, and the spring sports of track, baseball, softball, tennis, and golf are practiced after school and do not count toward the state requirement of 1 unit of physical education. Must follow athletic code.

**PREREQUISITE: Coach and Parent approval, current physical ATH1G (girls), ATH1B (boys) Athletics 1**

**ATH2G (girls), ATH2B (boys) Athletics 2**

**ATH3G (girls), ATH3B (boys) Athletics 3**

**ATH4G (girls), ATH4B (boys) Athletics 4**

**Marching Band 9th – 10th Grade Credit: 1.0** Open to all students who have had previous experience in musical activities in their community or school. Fall and winter activities will include marching at all football games, flag corps, and twirling contest, percussion contest, and marching festivals, biannually, district and regional marching contest and state championship in Austin. Every other year the band takes special trips to contests and parades. Other activities include all region band tryouts, state band tryouts and district solo-ensemble contests in Lubbock. Spring activities include stage band contest, district sight reading contest, band banquet, spring contest and the Texas State solo-ensemble contest in Austin. Due to all these activities, band is a full school year course. Students must be enrolled in Instrumental Ensemble and Mustang Band.

**COREQUISITES: If you take this course, you must also take Band 1**

**BANDMB - Marching Band 1**

**Physical Education (PE) 9th – 12th Grade Credit: 1** The physical education program consists of organized class instruction to include specially adapted corrective exercises, physical fitness, socially approved teams, and individual activities and correlates with the instructional program in which students may develop knowledge and skills in these activities. Textbook work correlates with each unit. Individual programs are stressed in the text as well as nutrition. Students receive instruction and are tested over the material in the Physical Education text.

**PE1B (boys), PE1G (girls)**

**Technology**

**BIM1 - Business Information Management 1 (BIM 1) 9th-12th Grade Credit: 1**

In this course students learn, select, and apply appropriate word-processing spreadsheets, database, and Internet technologies needed to complete a task. Students identify and explain the function of various types of technology, hardware, and software used in business. Students apply technical skills to business applications.

**Prerequisite: None**

**DIM - Digital and Interactive Media (DIM) 9th-12th Grade Credit: 1**

A course designed to provide students with opportunities to develop skills to meet the changing needs of business in the areas related to graphics and multimedia. Students learn to prepare presentations in a variety of formats. DIM develops proficiencies in designing, importing, and manipulating advanced text, graphics, audio, and video used in presentation management, Web design, multimedia production, publishing systems and emerging technologies.

**Prerequisite: None**

Career & Technical Education

And Other Electives

**Business & Industry**

**Agriculture, Food and Natural Resources**

**AGRICULTURE BUSINESS, LEADERSHIP, AND COMMUNICATIONS**

**AG1APA - Professional Standards in Agribusiness 10th – 12th Grade Credit 0.5** Professional Standards in Agribusiness primarily focuses on leadership, communication, employer- employee relations, and problem solving as they relate to agribusiness.

**PREREQUISITE: PRAFNR - Principles of Agr., Food, and Natural Resources**

**COREQUISITE: FFA LDE/CDE**

**AG1BBF - FFA LDE/CDE 10th – 12th Grade Credit 0.5** Professional Standards in Agribusiness primarily focuses on leadership, communication, employer- employee relations, and problem solving as they relate to agribusiness.

**PREREQUISITE: PRAFNR - Principles of Agr., Food, and Natural Resources**

**COREQUISITE: Professional Standards in Agribusiness**

**AG2BM - Agribusiness Management 10th – 12th Grade Credit: 1**

Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness.

Must be active in FFA and participate in LDE's and CDE's.

**Prerequisite: Professional Standards in Agribusiness/FFA LDE/CDE**

**AG3LRC -Agricultural Leadership, Research & Communications 11th – 12th Grade Credit 1** Agricultural Leadership, Research and Communications will focus on challenging Agriculture, Food, and Natural Resources (AFNR) students to use higher level thinking skills, develop leadership abilities, employ standard research principles, and communicate agricultural positions effectively with all stakeholders.

**Prerequisite: Agribusiness Management**

**AG4FFA - FFA CDE/LDE 2 12th Grade Credit 1** Agricultural Leadership, Research and Communications will focus on challenging Agriculture, Food, and Natural Resources (AFNR) students to use higher level thinking skills, develop leadership abilities, employ standard research principles, and communicate agricultural positions effectively with all stakeholders.

**Prerequisite: Agricultural Leadership, Research & Communications**

**CPPS1 - Career Preparation 1 (ATC) 12th Grade Credit: 3** This course is designed to provide Seniors with supervised on-the-job training. Students will learn goal setting, decision making and work values. The students will learn skills which make them more successful in acquiring jobs such as resumes, job applications, and preparing a portfolio. Success on the job, job relationships and entrepreneurship, managing their income, taxes, insurance, and banking would also be an important part of the curriculum. Students must have a job, or a job lined up before applying for this class.

**Prerequisite: Appropriate courses to meet Program of Study**

**ANIMAL SCIENCE**

**AG SA - Small Animal Management 9th - 12th Grade Credit: 1**

The study of small animals.

**Prerequisite: None**

**AG ES - Equine Science 9th - 12th Grade Credit: 1**

The study of horses.

**Prerequisite: None**

**AG LP - Livestock Production 10th - 12th Grade Credit: 1**

Animal science- designed to develop further student understanding of the principles of animal production. Equine science- designed to study horse nutrition, evaluation, selection, handling, shoeing, and reproduction.

**Prerequisite: None**

**AG AAS - Advanced Animal Science 12th Grade Credit: 1** Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

**Prerequisite: Biology and Chemistry, Algebra I and Geometry, Small Animal/Equine or Livestock Production**

**CPPS1 - Career Preparation 1 (ATC) 12th Grade Credit: 3** This course is designed to provide Seniors with supervised on-the-job training. Students will learn goal setting, decision making and work values. The students will learn skills which make them more successful in acquiring jobs such as resumes, job applications, and preparing a portfolio. Success on the job, job relationships and entrepreneurship, managing their income, taxes, insurance, and banking would also be an important part of the curriculum. Students must have a job, or a job lined up before applying for this class.

**Prerequisite: Appropriate courses to meet Program of Study**

**AGRICULTURAL TECHNOLOGY & MECHANICAL SYSTEMS**

**AGW1 - Ag Mechanics & Metal Tech 9th – 12th Grade Credit: 1**

A shop/laboratory-oriented course that includes the essential elements and concepts and skills related to the introduction of agricultural mechanics. Skills will be developed in the area of tool identification and safe use of metalworking and welding processes.

**Prerequisite: None**

**AGW2 - Ag Structures Design & Fab. 10th – 12th Grade Credit: 1**

A shop class preparing student to maintain, evaluate, design and build agricultural structures using construction techniques. It also includes skill development in metal assembly and joining processes. **Prerequisite: Ag Mech & Metal Tech**

**AGW3 - Ag Equipment & Design 11th – 12th Grade Credit: 1**

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

**Prerequisite: Ag Structures Design & Fab.**

**AGW3BL - Ag Equipment & Design Block 11th – 12th Grade Credit: 2**

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

**Prerequisite: Ag Structures Design & Fab.**

**AGW4BL - Ag Power Systems Block 12th Grade Credit: 2**

This is a laboratory-oriented course that focuses on skills and knowledge necessary for the maintenance, repair, and reconditioning of agricultural machinery and equipment. Basic principles of operation are emphasized. This is designed to be a block class to maximize time spent in constructing projects in the new shop facility.

**Prerequisite: Ag Equipment & Design**

**ARCHITECTURE & CONSTRUCTION**

**ELECTRICAL**

**CONST1 – Principles of Construction 9th – 12th Grade Credit: 1** Principles of Construction is a high school course that provides an introduction to the construction industry. It covers topics such as safety, math, tools, and communication. The course is intended to prepare students for careers in construction or craft skills, with an emphasis on electrical.

**PREREQUISITE: None**

**CONST2 – Electrical Technology 1 10th – 12th Grade Credit: 2**

The Electrical program of study explores the occupations and educational opportunities associated with installing, maintaining, and repairing electrical wiring, equipment, and fixtures. This program of study may also include exploration into installing and repairing telecommunications cable including fiber optics.

**PREREQUISITE: Principles of Construction**

**CONST3 - Electrical Technology 2 11th – 12th Grade Credit: 2** Continuation of Electrical Technology 1.

**PREREQUISITE: Electrical Technology 1**

**CONST4 - Practicum in Construction Technology 12th Grade Credit: 2**

Continuation of Electrical Technology 2. The Practicum can be either school lab based or worked based.

**PREREQUISITE: Electrical Technology 2 BL**

**CPPS1 - Career Preparation 1 (ATC) 12th Grade Credit: 3** This course is designed to provide Seniors with supervised on-the-job training. Students will learn goal setting, decision making and work values. The students will learn skills which make them more successful in acquiring jobs such as resumes, job applications, and preparing a portfolio. Success on the job, job relationships and entrepreneurship, managing their income, taxes, insurance, and banking would also be an important part of the curriculum. Students must have a job, or a job lined up before applying for this class.

**Prerequisite: Appropriate courses to meet Program of Study**

**ARTS, AUDIO VISUAL TECHNOLOGY & COMMUNICATION**

**DIM - Digital and Interactive Media (DIM) 9th-12th Grade Credit: 1**

A course designed to provide students with opportunities to develop skills to meet the changing needs of business in the areas related to graphics and multimedia. Students learn to prepare presentations in a variety of formats. DIM develops proficiencies in designing, importing, and manipulating advanced text, graphics, audio, and video used in presentation management, Web design, multimedia production, publishing systems and emerging technologies.

**Prerequisite: None**

**GPHOTO – Commercial Photography 9th -12th Grade Credit: 1**

This class will teach how to take pictures as well as edit them. Limited number of students.

**Prerequisite: None**

**GRAPH – Digital Design & Media Presentation 10th -12th Grade Credit: 1** Students produce a 200-page all-school yearbook in this class. Elements of photography, copywriting, layout and design, desktop publishing and some financial aspects are covered. Typing skills are recommended. Students should be able to work well with others, successfully complete independent projects and can expect outside assignments. After completion of the Mustang mid-February, students are introduced to advertising, newspaper, public relations, video production, non-print media and more in-depth photography. School attendance a must.

**Prerequisite: Journalism or Commercial Photography**

**GRAPH1 – Graphic Design & Illustration I 11th -12th Grade Credit: 1** Students produce a 200-page all-school yearbook in this class. Elements of photography, copywriting, layout and design, desktop publishing and some financial aspects are covered. Typing skills are recommended. Students should be able to work well with others, successfully complete independent projects and can expect outside assignments. After completion of the Mustang mid-February, students are introduced to advertising, newspaper, public relations, video production, non-print media and more in-depth photography. School attendance a must.

**Prerequisite: Digital Design & Media Presentation**

**GRAPH2 - Graphic Design & Illustration II 12th Grade Credit: 1** Students produce a 200-page all-school yearbook in this class. Elements of photography, copywriting, layout and design, desktop publishing and some financial aspects are covered. Typing skills are recommended. Students should be able to work well with others, successfully complete independent projects and can expect outside assignments. After completion of the Mustang mid-February, students are introduced to advertising, newspaper, public relations, video production, non-print media and more in-depth photography. School attendance a must.

**Prerequisite: Graphic Design & Illustration I**

**Hospitality and Tourism**

**CULINARY ARTS**

**CUL - Intro to Culinary Arts 9th - 12th Grade Credit: 1**

Introduction to nutrition and cooking skills

**Prerequisite: None**

**CUL1BL - Culinary Arts 10th - 12th Grade Credit: 2**

Cooking and nutrition.

**Prerequisite: Intro to Culinary Arts**

**CUL2BL - Advanced Culinary Arts 11th - 12th Grade Credit: 2**

Cooking and nutrition.

**Prerequisite: Culinary Arts**

**CUL3BL - Advanced Culinary Arts 11th - 12th Grade Credit: 2**

Cooking and nutrition.

**Prerequisite: Culinary Arts**

**CPPS1 - Career Preparation 1 (ATC) 12th Grade Credit: 3** This course is designed to provide Seniors with supervised on-the-job training. Students will learn goal setting, decision making and work values. The students will learn skills which make them more successful in acquiring jobs such as resumes, job applications, and preparing a portfolio. Success on the job, job relationships and entrepreneurship, managing their income, taxes, insurance, and banking would also be an important part of the curriculum. Students must have a job, or a job lined up before applying for this class.

**Prerequisite: Appropriate courses to meet Program of Study**

**INFORMATION TECHNOLOGY**

**PROGRAMMING AND SOFTWARE DEVELOPMENT**

**CS1 - Computer Science 1 9th - 12th Grade Credit: 1**

This course teaches the language of computers. This course fosters students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Through data analysis, students access, analyze, and evaluate information needed to solve problems. It is considered a Foreign Language credit. To take as a 9th grader, you must be taking Algebra 1 Honors.

**PREREQUISITE: Algebra 1**

**COPREREQUISITE: Algebra 1 Honors (as a freshman)**

**CS2 - Computer Science 2 10th - 12th Grade Credit: 1**

Second course in the field. Counts as a second Foreign Language.

**PREREQUISITE: Computer Science 1**

**CS3 - Computer Science 3 11th - 12th Grade Credit: 1**

Third course in the field.

**PREREQUISITE: Computer Science 2**

**CS4 – Independent Study in Technology Applications 12th Grade Credit: 1**

Third course in the field.

**PREREQUISITE: Computer Science 3**

**CPPS1 - Career Preparation 1 (ATC) 12th Grade Credit: 3** This course is designed to provide Seniors with supervised on-the-job training. Students will learn goal setting, decision making and work values. The students will learn skills which make them more successful in acquiring jobs such as resumes, job applications, and preparing a portfolio. Success on the job, job relationships and entrepreneurship, managing their income, taxes, insurance, and banking would also be an important part of the curriculum. Students must have a job, or a job lined up before applying for this class.

**Prerequisite: Appropriate courses to meet Program of Study**

**MANUFACTURING**

ROBOTICS & AUTOMATION TECHNOLOGY

**ROB - Principles of Applied Engineering 9th - 12th Grade Credit: 1**

This course focuses on the fundamentals of modern engineering. It provides an overview of the various fields of science, technology, engineering and mathematics and their interrelationships. Students will understand how modern engineers use math and science together with ingenuity to design and build new technologies. Projects include robotic design, bridge construction, wind energy, aerodynamics and many others revolving around each of the major engineering disciplines.

**PREREQUISITE: None**

**ROB1 - Robotics 1 10th - 12th Grade Credit: 1**

The course is designed to expose the students to the “Engineering Principles of Modern Technology”. This course will expose the student to master computer software applications in a variety of engineering and technical fields. Students will have extensive hands-on in the FIRST Robotics Program and be involved in district and community events. Students will develop year-long projects in several major areas of current engineering development. Students will also work on designing and building their own drone model flight capable by the end of the year.

**PREREQUISITE: Principles of Applied Engineering**

**ROB2 - Robotics 2 11th - 12th Grade Credit: 1**

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

**PREREQUISITE: Robotics 1**

**ROB3 - Engineering Design & Presentation 12th Grade Credit: 1** Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to

complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping. However, students will be expected to take and utilize designs for the development and production of a final project.

**PREREQUISITE: Robotics 2**

**CPPS1 - Career Preparation 1 (ATC) 12th Grade Credit: 3**

**Prerequisite: Appropriate courses to meet Program of Study**

**Public Services**

**Education and Training**

EARLY LEARNING TEACHING AND TRAINING

FAMILY AND COMMUNITY SERVICES

**HUMSR - Principles of Human Services 9th - 12th Grade Credit: 1**

This course is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones.

**PREREQUISITE: None**

**CHDEV Child Development 10th - 12th Grade Credit: 1** This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate career related to the care and education of children.

**PREREQUISITE: Principles of Human Services**

**CPPS1 - Career Preparation 1 (ATC) 12th Grade Credit: 3** This course is designed to provide Seniors with supervised on-the-job training. Students will learn goal setting, decision making and work values. The students will learn skills which make them more successful in acquiring jobs such as resumes, job applications, and preparing a portfolio. Success on the job, job relationships and entrepreneurship, managing their income, taxes, insurance, and banking would also be an important part of the curriculum. Students must have a job, or a job lined up before applying for this class.

**Prerequisite: Appropriate courses to meet Program of Study**

**Health Science**

**Nursing Science**

**NURSE1 – Principles of Health Science 10th - 12th Grade Credit: 1** Principles of Health Science is a high school course in Texas that provides an overview of the healthcare industry. The course covers topics such as human anatomy, medical terminology, and the basic structure of the body. Students also learn how to think critically, solve problems, and communicate effectively. 

**PREREQUISITE: None**

**NURSE2 – Health Science Theory 11th - 12th Grade Credit: 2** Health Science Theory is a high school course that prepares students for health careers by studying human anatomy, physiology, and medical terms. It also covers patient care skills, CPR and First Aid certification, and health career exploration.

**PREREQUISITE: Principles of Health Science**

**NURSE3 – Nursing Program Dual Credit 11th - 12th Grade Credit: 3** Courses will be taken through Odessa College towards earning a LVN (Licensed Vocational Nurse) certification. It will be a 3 period dual credit course taught on campus to prepare students for the LVN test.

**PREREQUISITE: Principles of Health Science**

**Human Services**

**COSMETOLOGY**

**COSM - Intro to Cosmetology 10th - 12th Grade Credit: 1** Students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.

**PREREQUISITE: None**

**COSM1 - Cosmetology 1 11th - 12th Grade Credit: 3** 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.

**PREREQUISITE: Intro to Cosmetology**

**COSME - Cosmetology 2 12th Grade Credit: 3** Students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies, and materials; and practical skills.

**PREREQUISITE: Cosmetology 1**

**LAW & PUBLIC SERVICE**

**LAW ENFORCEMENT**

**LAW – Principles of Law 9th - 12th Grade Credit: 1**

Principles of Law, Public Safety, Corrections, and Security (POL) is a high school course that introduces students to careers in law enforcement, security, and emergency services. The course helps students understand how these agencies work together, and the skills needed for these careers

**PREREQUISITE: None**

**LAW1 – Law Enforcement 1 10th - 12th Grade Credit: 1**

Law Enforcement 1 is a high school course in Texas that covers the history, organization, and functions of law enforcement. It also teaches students about the legal system, criminal law, and how to respond to breaches in the law.

**PREREQUISITE: Principles of Law**

**LAW2 – Law Enforcement 2 11th - 12th Grade Credit: 1**

Law Enforcement II is a high school course in Texas that prepares students for a career in law enforcement. Students learn about legal and ethical responsibilities, emergency equipment, and how to respond to emergencies.

**PREREQUISITE: Law Enforcement 1**

**SC FS - Forensic Science 12th Grade Credit: 1**

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

**Prerequisite: None**

**Other Electives**

**UILMS - UIL Math/Science 9th-12th Grade Credit: 1**

**This is a local credit**. The UIL Practice Course gives the students the opportunity to prepare for the Math /Science UIL events during school hours. These events require extensive preparation in order to become proficient. By working on these contests daily, students should obtain the skills necessary to compete with other schools and, hopefully, advance to the state level and become eligible for scholarships.

**Prerequisite: None**

**UILELA - UIL Academic ELA 9th-12th Grade Credit: 1 This is a local credit**. The UIL Practice Course gives the students the opportunity to prepare for the Academic UIL events during school hours. These events require extensive preparation in order to become proficient. By working on these contests daily, students should obtain the skills necessary to compete with other schools and, hopefully, advance to the state level and become eligible for scholarships.

**Prerequisite: None**

**DC Dual Credit 9th-12th Grade Credit: 1** Placement course for Dual Credit/Distance Learning courses. Must apply to South Plains College, complete enrollment form, pass TSI ELAR and/or TSI Math (for English, Math, or Biology courses), have transcript and scores submitted to SPC, and pay tuition fees to SPC by SPC due date.

**INDSP1 - Independent Speech 1 9th -12th Grade Credit: 1**

This is a class to work on UIL speaking events. These events include Cross-Examination Debate, Lincoln- Douglas Debate, Prose Interpretation, Poetry Interpretation, Persuasive Speaking and Informative Speaking. The class will consist of finding selections to read, researching the debate topics and current events, and practicing the events. Students in this class will be required to attend at least 2 tournaments a semester. The tournaments are on Fridays and Saturdays throughout the year. Grades are based on class participation as well as tournament attendance.

**Prerequisite: None**

**Other Courses Include:**

**INDSP2 - Independent Speech 2**

**INDSP3 - Independent Speech 3**

**SC - Student Leadership 10th-12th Grade Credit: 1**

This class offers student council members the opportunity to complete projects for all committees, meet with committee members and decide on new projects for the year, complete reports when projects have been completed, and work on scrapbook pages, which all members are required to do. I urge all officers and committee chairmen to take this class if it works for your schedule.

**PREREQUISITE: Membership in Student Council**

**SPMED1 - Sports Medicine 1 10th-12th Grade Credit: 1**

For students who are interested in being an athletic trainer or interested in sports medicine.

**COURSE NOTE:** This course has a required application packet to be completed and given to the District Athletic Trainer.

**Prerequisite: None**

**Other Courses include:**

**SPMED2 - Sports Medicine 2**

**SPMED3 - Sports Medicine 3**

**REL – 1st or 8th Release 12th Grade Credit: 0**

This is an opportunity for seniors who have mastered all state assessments to opt out of their last period class and completed TSI and/or Texas College Bridge (a college preparatory course).

**PREREQUISITE: Mastery of all required state assessments**

**TA – Teaching Assistant 12th Grade Credit: 1**

Office aides work in the various offices of the high school, as well as the libraries and other areas in the district including the central office. They are assigned to an area and given assigned tasks. Students wishing to apply for office aide need to be regular in attendance, responsible, and trustworthy. Students in office help must not have had discipline or truancy problems. Only a few slots are available. Applications must be picked up and submitted back to the high school office before school is out so that the application can be reviewed for acceptance or denial.

**PREREQUISITE: None**

**PRBUS - Principles of Business, Finance, and Marketing 9th-12th Grade Credit: 1** Students will learn about the economic system in the US and other countries, research consumer issues, maintain a personal budget, analyze the job market and research career opportunities. The students will write a resume, complete job applications, run a virtual business, and participate in the stock market game.

**Prerequisite: None**

**WILDLF - Wildlife, Fisheries & Ecology 10th – 12th Grade Credit: 1** Designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Also will earn Hunter’s Education Certification.

**Prerequisite: None**

**CPGEN1 - Career Preparation General 1 12th Grade Credit: 3** This course is designed to provide Seniors with supervised on-the-job training. Students will learn goal setting, decision making and work values. The students will learn skills which make them more successful in acquiring jobs such as resumes, job applications, and preparing a portfolio. Success on the job, job relationships and entrepreneurship, managing their income, taxes, insurance, and banking would also be an important part of the curriculum. Students must have a job, or a job lined up before applying for this class. This is students in the work program, but the job is not tied to a Program of Study.

**Prerequisite: None**

**Locally Required Electives**

**GEMPLS - General Employability Skills 11th Grade Credit: 0.5** This course gives students strategies and information to help them improve their scores on the college entrance exams. Will be taken 1st semester of junior year and Professional Communications will be taken 2nd semester.

**Prerequisite: None**

**Career Ready 12th Grade Credit: 1-2**

For seniors who are not qualified as Career Ready.