

WILLIS HIGH SCHOOL



Course Catalog 2013-2014

1201 FM 830
Willis, TX 77378
936-856-1250

English Courses.....	5-6
Math Courses.....	6-8
Science Courses.....	8-9
Social Studies Courses.....	9-11
PE/Health Courses.....	11-13
Foreign Language Courses.....	13-15
Communications Courses.....	15-16
Fine Arts Courses.....	16-18
Other Elective Courses.....	19-20
Local Credit Courses.....	20
Special Education Courses.....	20-21
Career and Technology Education Courses.....	21-32

This course catalog is also available on the WHS site that can be accessed from:
www.willisisd.org

This program of studies provides students and parents with as much information as possible to pre-register for the 2013-2014 school year. A course description and the prerequisites for each course are given to assist you in your selections. Willis High School uses the student pre-registration process as a guide to determine what courses will be offered during the school year. Courses that are not requested by enough students may not make it into the WHS schedule. Staff hiring is based, in part, on the demands made for courses. When selecting courses, students should utilize the Kuder Career Planning System (KCPS) to establish their four year plan.

1. Begin with analyzing the information from the *KCPS* to identify one or more possible careers of interest.
<http://www.kudernavigator.com>
2. Choose a Career Pathway which most closely matches your interests. Career Pathways are found in the counselor's office.
3. Fill-in the planned courses to complete the chosen Career Pathway form. If you have any questions, please contact your counselor.
4. Return the completed Career Pathway form to the Counseling Center, dates will be given during class presentations.

COLLEGE ADMISSION – Recommended Plan

According to legislation (HB 3826) passed by the Texas Legislature during the 2007 summer session, students must complete the Recommended or Distinguished Graduation Plan in order to be eligible for admission to a Texas public 4-year college. In addition, to be eligible for automatic admission through the top ten percent rule, a graduate must complete either the Recommended or Distinguished plan. Other highlights of this legislation are as follows:

Top 10 percent: In addition to the top 10 percent GPA requirement, eligibility for automatic admission will include the requirement that an applicant:

- Has completed either the curriculum for the recommended or advanced (Distinguished Achievement) program at a public high school; *or*
- Satisfied ACT's College Readiness Benchmarks on the ACT assessment (24) **OR** earned a score of at least 1500 out of 2400 on the SAT assessment or the equivalent. Willis High School offers students the opportunity to take courses that would fulfill this requirement.

In addition to the above, an applicant must meet the college or university's deadlines and provide a high school transcript or diploma.

There were some other changes developed specifically for the purpose of encouraging students interested in entering the teaching profession:

Top 25 percent: A general academic teaching institution may adopt an admissions policy granting automatic admission for students with GPA's in the top 25 percent and:

- Completed either the recommended or advanced program or an equivalent program; *or*
- Satisfied the ACT or SAT requirements (described above); **and**

- Provided an appropriate transcript

General admissions: A student who does not qualify for automatic admission may apply to any general academic teaching institution if the student:

- Completed either the recommended or advanced program or an equivalent program; *or*
- Satisfied the ACT or SAT requirements (described above); **and**
- Provided an appropriate transcript.

COLLEGE ADMISSION REQUIREMENTS

Individual college catalogs/websites should be consulted for specific admission requirements. Certain college majors may require more math, science or foreign language. If you are considering applying to a selective college, consult the college website or visit the college center about specific entrance requirements.

COURSE AVAILABILITY

Willis High School takes pride in serving the specific and unique needs of the community in which our high school is located. A few of the factors that can impact courses offered are the campus size, student interest, and teacher availability. Although we try to offer many innovative courses we will offer all courses necessary for students to meet the recommended high school program.

WHS HONORS PROGRAM

The Willis High School PreAP/AP/DC Program consists of a variety of rigorous courses involving higher level thinking skills, research, and an opportunity to experience an in-depth study of various disciplines. An honors course is defined as a Willis High School Tier 1 course for grade point purposes. A campus selection committee will be used to make all placement, exit, transfer, and appeals decisions. The committee will consist of at least three (3) educators who have received training in the nature and needs of gifted/talented students.

Honors Entry Requirements

- A passing score on ALL appropriate grade level STAAR/TAKS or equivalent tests required the previous year.
- Minimum score of 70% in prerequisite honors course or 90% in prerequisite level course or teacher recommendation.
- Parent signature requesting the honors course.
- The Campus Selection Committee reserves the right to place a student in an honors course.

Pre-Advanced Placement (PAP)

Pre-advanced placement courses are offered for qualified students. Students have an opportunity to enter the advanced high school honors program and these courses preclude the Advanced Placement courses.

Advanced Placement (AP)

Willis High School provides Advanced Placement courses that offer students an opportunity to complete a Distinguished Achievement Program. Advanced Placement courses have replaced the honors courses as per the Texas Education Agency. Students receiving high enough scores on an AP test may be eligible to receive college credit according to a college's guidelines.

Dual Credit Courses (DC)

Through an articulation agreement with Lone Star College, students successfully completing a specified WHS course will receive high school credit as well as college credit.

Dual Credit Entry Requirements

In addition to the above honors entry requirements, dual credit entry requirements are as follows:

- Permission from designated counselor.
- Pick up and return of registration forms to DC coordinator.
- Entrance scores are set by the college and are subject to change. (Commended TAKS scores can be substituted)
- Enroll at Lone Star prior to beginning of the semester.
- Payment of fees to Lone Star and purchase any required textbooks.
- Parent approval.

DUAL CREDIT/CONCURRENT ENROLLMENT

Through an agreement with Lone Star College, Willis High School students are allowed to take courses that will count for both WHS and Lone Star College credit at a reduced rate of tuition. These include two types of courses: Dual Credit Courses and Concurrent Enrollment Courses.

Dual Credit Courses are courses which are taken on the WHS campus and count for both high school and college credit. These course are calculated in the students overall GPA as Tier I weighted courses. **Dual Credit courses offered are listed in that department's course description section.**

Concurrent Enrollment Courses are courses taken by WHS students on the Lone Star College campus during the school year or during the summer which count for both WHS and college course credit.

Concurrent Enrollment Courses
***Subject to change based on Lone Star College**

Lone Star Course	WHS Course
BIOL 2401 – Anatomy and Physiology – 4 Credits	3700 – Anatomy and Physiology - .5 Credit
CHEM 1411 – General Chemistry I – 4 Credits	3300 – Chemistry - .5 Credit
CHEM 1412 – General Chemistry II – 4 Credits	3300 – Chemistry - .5 Credit
GEOG 1300 – Principles of Geography I – 3 Credits	4100 – Geography - .5 Credit
GEOG 1303 – World Geography II – 3 Credits	4100 – Geography - .5 Credit
SOCI 1301 – Principles of Sociology – 3 Credits	4600 – Sociology - .5 Credit
ECON 2301 – Macroeconomics – 3 Credits	4500 – Economics - .5 Credit
ARTS 1316 – Drawing I – 3 Credits	8110 – Art I - .5 Credit
ARTS 2316 – Painting I - 3 Credits	8110 – Art I - .5 Credit
DRAM 1310 – Introduction to Theater – 3 Credits	8210 – Theater Arts I - .5 Credit
KINE 2111 – Fitness for Life – 3 Credits	5510 – Foundations of PE - .5 Credit
SPAN 1412 – Spanish – 4 Credits	1630 – Spanish 3 (terminal class only, not a prereq, for Span. 4) – 1 Credit
BUSI 2301 – Business Law I – 3 Credits	7180 – Business Law - .5 Credit
COSC 1401 – Microcomputer Apps. – 4 Credits	7110 – BCIS I – 1 Credit

****Any Dual Credit Course that does not make it into the Willis High School schedule can become a concurrent enrollment class with approval from the Dean of Instruction.**

With prior WHS approval a course may be taken at Lone Star for high school credit with the following additional conditions:

- See your counselor for an approved articulated listing.
- Students must be enrolled in at least 4 WHS courses to be eligible to take concurrent classes at Lone Star.
- **If a dual credit course is offered at WHS, the student shall be required to enroll in that course rather than attending Lone Star if scheduling allows such enrollment.**
- In order to receive high school credit the student must provide to the WHS registrar official transcripts for courses taken at Lone Star College.

For more information about the Lone Star College Dual Credit Program, please refer to their website:

<http://www.montgomery-college.com/Templates/content.aspx?pid=12306>

Schedule Change from Honors to Level or Dropping AP/DC

1. During the first week of school, a schedule change will be granted if WHS made a mistake in placement. The student must secure Dean of Instruction approval in order to drop a course.
2. **After the first week of school, an honors course will not be dropped until the end of a grading period. This will only occur if the following requirements have been met:**
 - The student must have at least 10 hours of documented tutorials with the teacher's signature.
 - There must be at least one parent/teacher conference.
 - If parent, teacher, and counselor all agree that moving from the honors class is in the best interest of the student, then the parent, teacher and counselor must document the request on the schedule change form.
 - The schedule change form will then be given to the Dean of Instruction for final approval.
 - **The change would take place only if the class counts allow.**
 - Transfer grades must follow the student to the new course.
 - **NO CHANGES WILL BE MADE WITH LESS THAN SIX WEEKS LEFT IN THE SEMESTER.**

Probation/Removal Procedures

- Any student who receives a six weeks grade below 70% in an Honors course will be placed on probation for the following 6-week grading period.
- Any student who receives a 1st semester grade below 70% in an Honors course may be moved to level the 2nd semester based on the decisions of the parent, teacher, student and appropriate administrator.

English

6111 English 1

Level: L

Unit Credit: 1

In their study of various literary genres, English I students will gain base knowledge of the skills necessary for success in high school English.

6112 English 1 Pre-Advanced Placement

Level: PAP

Unit Credit: 1

Prerequisite: Pre-AP entry requirements

Identification and use of proper grammatical mechanics for written communication are emphasized. Students will read and analyze for literary merit, and for historical significance. PAP students will study grammar and demonstrate composition effectiveness through writing.

6121 English 2

Level: L

Unit Credit 1

Prerequisite English 1

In this level English course, students will gain improvement in communication skills by increasing vocabulary proficiency and generating multi-paragraph compositions. Students will read both inside and outside of class to critically evaluate for increased understanding and appreciation of various literary genres.

6122 English 2 Pre-Advanced Placement

Level: PAP

Unit Credit: 1

Prerequisite: English 1; PAP requirements

Pre-AP students will gain improvement in communication skills by increasing vocabulary proficiency and generating several types of multi-paragraph compositions. Students will read both inside and outside of class to critically evaluate for increased understanding and appreciation of various literary genres. Pre-AP students will also gain expertise in critical evaluation and rhetorical analysis. To be successful in English 2 Pre-AP, students must be prepared to complete many assignments outside of class.

6131 English 3

Level: L

Unit Credit: 1

Prerequisite: English 2

Traditionally, American Literature and historical events go hand-in-hand, so the survey of American Literature will stress works in connection with historical context; however, focus is also on thematic issues such as the American Dream and shaping personal identity within the American Dream. In this course, research information with documentation within various forms of writing is also incorporated.

6132 English 3 Advanced Placement - Language and Composition

Level: AP

Unit Credit: 1

Prerequisite: English 2; AP requirements

In this college-level course, students will become skilled readers who can effectively write analyses of various styles with an emphasis placed on stylistic and rhetorical analyses. Vocabulary building and standardized test preparation (SAT and AP exams) are emphasized as well.

6133 English 3 Dual Credit: Composition and Rhetoric I (1301) and II (1302)

Level: DC

Unit Credit: 1

Prerequisite: English 2; Lone Star Acceptance

Composition and Rhetoric I (ENGL 1301): A multi-paragraph composition course, including language study and the mechanics of writing, with examples from selected readings. Students may be required to achieve a departmentally approved score on a proficiency test before credit for the course may be awarded. Textbooks must be purchased by the student each semester.

Composition and Rhetoric II (ENGL 1302): A continuation of ENGL 1301, with emphasis on critical papers, culminating in a term paper or papers. Reading and critical analysis of modern prose, poetry and drama.

6141 English 4

Level: L

Unit Credit: 1

Prerequisite: English 3

World literature students will study the origins and development of the English language, and analyze major works in British, World and multicultural literature. To further their communication skills, English 4 students will continue outside reading and participation in the vocabulary program.

6142 English 4 Advanced Placement - Literature and Composition

Level: AP

Unit Credit: 1

Prerequisite: English 3; AP entry requirements

Students will engage in college-level critical analysis of World Literature, with a focus on British Literature, exhibited through persuasive compositions and original literary criticism. Vocabulary building and standardized test preparation (SAT and AP exams) are also emphasized.

6143 English 4 Dual Credit: Survey of World Literature (ENGL 2332) and (ENGL 2333)

Level: DC

Unit Credit: 1

Prerequisite: English 3; Lone Star Acceptance

Survey of World Lit (ENGL 2332): A survey of the literature of the world from ancient times to the mid-seventeenth century. Students will engage in college-level critical analysis of World Literature, exhibited through persuasive compositions and original literary criticism.

Survey of World Lit (ENGL 2333): A survey of world literature from the mid-seventeenth century to the present.

Students will engage in college-level critical analysis of World Literature, exhibited through persuasive compositions and original literary criticism.

6151 Research and Technical Writing

Level: L

Unit Credit: 1

Prerequisite: English 3; Admin Placement

This composition course develops skills that are necessary for writing persuasive and informative texts such as essays, reports, proposals, and memoranda as they are used in a variety of professions. Students learn how to research topics and to present the results of their research through a variety of media and how to analyze and discuss published and unpublished articles.

6650 Creative and Imaginative Writing

Level: L

Unit Credit: 1

Prerequisite: Passing current English course

Recommended Grade Level: 10-12

This course focuses on creative and imaginative writing allowing students to refine their skills in the short story and poetry genres. Participants will create, share and publish their own work as well as serve as the advisory board for the school literary magazine.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL)

6116 English as a Second Language Reading 1

6115 English as a Second Language 1

6125 English as a Second Language 2

6126 English as a Second Language Reading 3

Level: L

Unit Credit: 1

Prerequisite: LPAC

These courses can serve as English 1 substitutes or as reading substitutes for speakers of other languages.

Mathematics

6211 Algebra 1

Level: L

Unit Credit: 1

This course builds on the foundations encountered in K-8 math. It stresses the importance of algebraic thinking and symbolic reasoning. Students investigate the relationship between equations and functions. Functions are used to model problems and to analyze and interpret relationships. Students learn to use the graphing calculator. For college bound students, a graphing calculator is strongly recommended.

6221 Geometry

Level: L

Unit Credit: 1

Prerequisite: Algebra 1

Geometry provides experiences that help students develop understanding of shapes and their properties. The topics covered include: lines, segments, and angles; triangles; other polygons; circles; solid geometry; and measurement. Students continue to use the graphing calculator.

6222 Geometry Pre-Advanced Placement*Level: PAP**Unit Credit: 1**Prerequisite: Algebra 1, Pre-AP requirements*

Geometry provides experiences that help students develop an understanding of shapes and their properties. The topics covered include: lines, segments, and angles; triangles; other polygons; circles; solid geometry; and measurement. Students continue to use the graphing calculator. This honors course involves extended thinking skills and applications including required projects. This course is recommended for AP preparation.

6231 Algebra 2*Level: L**Unit Credit: 1**Prerequisite: Geometry*

This course continues and enhances Algebra I. It is an important transition course for preparation for higher-level mathematics. The course emphasis is on problem solving and involves extended thinking skills and applications. Students continue to use the graphing calculator.

6232 Algebra 2 Pre-Advanced Placement*Level: PAP**Unit Credit: 1**Prerequisite: Geometry and Pre-AP requirements*

This fast-paced course is an important transition course for preparation for higher-level mathematics. The course emphasis is on problem solving and involves extended thinking skills and applications. Students should be independent learners with the capability to study at a greater depth and rigor. A graphing calculator is strongly recommended.

6241 Advanced Quantitative Reasoning*Level: L**Unit Credit: 1**Prerequisite: Algebra 2*

This course expands the skills learned in Algebra 2 and Geometry. It is designed to help students prepare for college entrance exams. This will bridge the gap between Algebra 2 and College Algebra.

6242 College Algebra Dual Credit (MATH 1314)*Level: DC**Unit Credit: 1**Prerequisite: Algebra 2; Lone Star Acceptance*

This course is the basic college level algebra course. **A graphing calculator is strongly recommended.** Topics include absolute value equations and inequalities, graphing skills, inverse functions, logarithmic and exponential functions, polynomial and rational functions, piecewise-defined functions, theory of equations and systems of equations. Students in this full year DC class will be able to receive 3 hours of Lone Star College credit.

6243 Pre-Calculus Pre Advanced Placement*Level: PAP**Unit Credit: 1**Prerequisite: Algebra 2; Pre-AP requirements***6244 Pre-Calculus Dual Credit (MATH 1316 and MATH 2412)***Level: DC**Unit Credit: 1**Prerequisite: Algebra 2; Lone Star Acceptance*

Math 1316 - Trigonometry (3 college credits): Trigonometric functions and their applications, solutions of right and oblique triangles, trigonometric identities and equations, inverse trigonometric functions and graphs of the trigonometric functions. A graphing calculator is required.

Math 2412 – Pre-Calculus (4 college credits): An integrated treatment of the concepts necessary for calculus, emphasizing elementary functions and their graphs, including polynomial, rational, exponential, logarithmic and trigonometric functions, also includes topics from analytical geometry. A graphing calculator is required.

**Students in Pre-Calculus Dual Credit will be able to receive 7 hours of Lone Star College credit.

6245 Calculus-Advanced Placement*Level: AP**Unit Credit: 1**Prerequisite: Precal; AP requirements***6246 Calculus-Dual Credit (MATH 2413)***Level: DC**Unit Credit: 1**Prerequisite: Precal; Lone Star Acceptance*

These courses are designed to provide the student with a basic knowledge of functions, limits, continuity, differentiation, and integration of algebraic and trigonometric functions, applications of differentiation, and an introduction to applications of the definite integral. **A graphing calculator is required.** Students in Calculus DC class will be able to receive 4 hours of Lone Star College Credit.

6220 Mathematical Modeling with Applications*Level: L**Unit Credit: 1**Prerequisite: Algebra I; Approval Only*

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and solve real-life applied problems. Students will use different formats of technology to enhance their mathematical

skill. This course is used to build upon previous mathematics concepts needed to be successful in future mathematics courses.

6250/6260 Math Lab – 11th and 12th

Level: L *Unit Credit: 1 Local* *Prerequisite: Admin Placement*

This course is designed to support the student's core math classes to master the State Assessments.

6247 Statistics – Advanced Placement

Level: AP *Unit Credit: 1* *Prerequisite: Algebra 2 PreAP*

This course follows the curriculum outlined by the College Board and requires students to collect, interpret, summarize and compare various distributions of data. The topics covered are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Graphing calculators with statistical software such as the TI-83 or TI-89 are used extensively.

Science

6311 Biology

Level: L *Unit Credit: 1*

This course is a lab-oriented study of living systems and plants and the environment.

6312 Biology Pre-Advanced Placement

Level: PAP *Unit Credit: 1* *Prerequisite: Pre-AP requirements*

This honors level course is a lab-oriented study of living systems and plants and the environment.

6321 Integrated Physics and Chemistry (IPC)

Level: L *Unit Credit: 1* *Prerequisite: Alg 1 or concurrent*

This course is an introduction to the fundamental sciences of physics and chemistry.

6331 Chemistry

Level: L *Unit Credit: 1* *Prerequisite: Bio*

This course emphasizes experimentation in which the student investigates a variety of chemical processes.

6332 Chemistry Pre-Advanced Placement

Level: PAP *Unit Credit: 1* *Prerequisite: Bio & Alg 2 PAP, or concurrent; Pre-AP requirements*

This honors course emphasizes experimentation in which the student investigates a variety of chemical processes.

6342 Physics

Level: L *Unit Credit: 1* *Prerequisite: 2 Science Credits & Algebra 2 concurrent*

This course is organized as a general physics course. Physics areas include: Newtonian Mechanics, Fluid Mechanics, Thermal Physics, Electricity and Magnetism, Waves and Optics, and Atomic and Nuclear Physics. Physical situations studied are primarily two-dimensional at any angle. Analysis techniques are less graphical and more mathematical.

6343 Physics Pre-Advanced Placement

Level: PAP *Unit Credit: 1* *Prerequisite: 2 Sci. Credits and PAP Alg. 2/PreCal or concurrent & PAP Requirements*

This is the honors first year physics course. Both two-dimensional and three-dimensional physical situations at multiple angles are explored. Analysis techniques are primarily mathematical. Problems often involve integrating concepts from multiple physics areas.

6351 Biology Advanced Placement

Level: AP *Unit Credit: 1* *Prerequisite: Chem, Alg 2 or concurrent, AP requirements*

This is an advanced study of physical and chemical biological processes. This is designed as a college level course.

6352 Chemistry Advanced Placement

Level: AP *Unit Credit: 1* *Prerequisite: Chem and Pre-Cal or concurrent, AP requirements*

Emphasis in this honors level course is on advanced level experimentation and in-depth studies. This is designed as a college level course. Students will prepare to take the AP Exams in the spring.

6353 Physics Advanced Placement*Level: AP**Unit Credit: 1**Prerequisite: Physics and Pre-Cal or concurrent & AP Requirements.*

This advanced placement course is designed as a second year, college level, algebra based physics course. It is intended to prepare students for the AP Physics B examination in the Spring semester. This is a very intense course requiring a significant time commitment.

6354 Dual Credit Biology (BIOL 1406 and 1407) (Scientific Research and Design)*Level: DC**Unit Credit: 1**Prerequisite: Chemistry and Alg 2 or concurrent, Lone Star Acceptance*

This course allows students to receive credit in BIOL 1406 and 1407. Students will take classes on WHS campus for Lone Star College biology credit and Scientific Research and Design HS credit.

6361 Environmental Systems*Level: L**Unit Credit: 1**Prerequisite: Administrative Approval*

This course will analyze environmental systems from the biological, chemical and physical aspects. Students will apply TEKS from Biology, Chemistry, and/ or Physics to the study of energy and the ecosystem.

6362 Aquatic Science*Level: L**Unit Credit: 1**Prerequisite: Chemistry or concurrent*

A study of the basic ecological knowledge and theories concerning the structure and function of aquatic environments is the focus of this course. This course is recommended for 12th graders.

6363 Astronomy*Level: L**Unit Credit: 1**Prerequisite: 2 Science Credits*

This class will be a study of the cosmos. Topics will include: planets, comets, asteroids in our solar system, galaxies, life and death of stars, theories on the evolution of the universe and instruction on the dynamics and viewing of constellations in the night sky, space flight, history of the sun, the moon and the possibility of life elsewhere.

6364 Earth and Space Science*Level: L**Unit Credit: 1**Prerequisite: 2 Science Credits*

This course is designed to build greater knowledge of the Earth's system in space and time, the solid Earth, the fluid Earth and Energy. This course is recommended for 12th graders.

The following are CTE courses that are allowable for the fourth Science credit:**7016 Advanced Animal Science***Grades: 12**Unit Credit: 1**Prerequisite: AFNR Pathway*

This course is designed to prepare students in the field of animal science, attain knowledge of animal species such as cattle, swine, sheep and goats. It will introduce students to industry standards, career opportunities and entry requirements.

7106 Anatomy and Physiology*Grade: 12**Unit Credit: 1**Prerequisite: 3 units of Science*

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

7121 Forensic Science*Grades: 11-12**Unit Credit: 1**Prerequisite: Biology and Chemistry*

Forensic Science uses critical thinking and problem solving skills through scientific investigation, data collection and evaluation. Students will record data collection results and draw conclusions based on evidence. Units of study include fingerprinting, toxicology, trace evidence, DNA, document analysis, serology and biology.

Social Studies

6411 World Geography

Level: L

Unit Credit: 1

A study of people, places, and environments.

6412 World Geography Pre-AP

Level: PAP

Unit Credit: 1

Prerequisite: Pre-AP requirements

An honors course which studies people, places, and environments. PAP is a challenging course that prepares students for college level work by using more rigorous curriculum.

6421 World History

Level: L

Unit Credit: 1

Prerequisite: World Geography

Study of significant people, events, and issues from the earliest times to the present.

6422 World History Pre-AP

Level: PAP

Unit Credit: 1

Prerequisite: World Geography, PAP requirements

This honors level course is a study of significant people, events, and issues from the earliest times to the present. PAP is a challenging course that prepares students for college level work by using more rigorous curriculum.

6431 United States History

Level: L

Unit Credit: 1

Prerequisite: World History

A history of the United States, from Reconstruction to the present.

6432 United States History Advanced Placement

Level: AP

Unit Credit: 1

Prerequisite: World History, AP requirements

6433 United States History Dual Credit (HIST 1301 and HIST 1302)

Level: DC

Unit Credit: 1

Prerequisite: World History, **Lone Star Acceptance**

Honors class that covers the history of the United States from discovery until the present. The AP course prepares students to take the AP Exam in the spring. Dual Credit course meets the requirements of WHS US History and Lone Star College's History 1301 and 1302. Student must complete both semesters for WHS credit.

6441 United States Government

Level: L

Unit Credit: .5

Prerequisite: U. S. History

Studies the principles and beliefs upon which the U.S. was founded and on the structure, functions, and powers of government at the national, state, and local levels.

6442 United States Government Advanced Placement

Level: AP

Unit Credit: .5

Prerequisite: U. S. History, AP requirements

This honors program is presented at the introductory college course level to prepare students for intermediate and advanced college courses. This course prepares students to take the AP Exam for college credit in the spring.

6443 United States Government Dual Credit (GOVT 2301 and GOVT 2302)

Level: DC

Unit Credit: .5

Prerequisite: U. S. History, **Lone Star Acceptance**

This full year honors program allows students to receive 6 semester hours of Political Science Credit from Lone Star College. Recommended for students in the top twenty- percent. This course allows students the opportunity to earn credit in GOVT 2301 and 2302.

*** Both semesters must be taken to earn WHS ½ credit in Government.**

6451 Economics

Level: L

Unit Credit: .5

Prerequisite: U.S. History

Students learn the basic principals concerning production, consumption, and distribution of goods and services in the U.S.

6452 Economics Advanced Placement

Level: AP

Unit Credit: .5

Prerequisite: U.S. History, AP requirements

An honors study of economic theory applied to political and economic reality. Recommended for students in the top twenty- percent. This course prepares students to take the AP Exam for college credit in the spring.

6453 Economics Dual Credit (ONLINE ONLY)*Level: DC**Unit Credit: .5**Prerequisite: U.S. History Lone Star Acceptance*

This course is a study of macroeconomic principles. Analysis of the market economy; national income accounting; income determination; stabilization policies; monetary and fiscal policy; money and banking; demand and supply-side economics; monetarist vs. Keynesian view; inflation theories such as distinction between demand-pull and cost-push theories, Phillips curve analysis; labor market and determination of unemployment rate. Students successfully completing this course will receive 3 credit hours from Lone Star College for ECON 2301.

6461 Sociology*Level: L**Unit Credit: .5**Grades 11-12*

This course is designed to provide the study of information and understanding of the American people, their culture, and interactions. Content includes both the individual and family and how society affects each.

6462 Psychology*Level: L**Unit Credit: .5**Grades 11-12*

Students study topics such as theories of human development, personality, motivation, and learning.

6463 Psychology Dual Credit*Level: DC**Unit Credit: .5**Prerequisite: Lone Star Acceptance*

This is an introductory course dealing with the elementary principles of human behavior. It is designed especially for those students majoring in the social or biological sciences, pre-medicine, or education. Students successfully completing this course will receive 3 credit hours from Lone Star College for PSYC 2301.

6464 European History Advanced Placement*Level: AP**Unit Credit: 1**Prerequisite: World History, AP requirements*

This course requires students to develop mastery over the assigned content while developing the ability to practice the skills of a historian. Students will learn to develop critical thinking skills by analyzing and interpreting both primary documents and writings by respected historians. The content will include the artistic and intellectual, religious, and political developments of the early 16th century through the 1990's. Students have the opportunity to take the AP exam to receive college credit. **This course may not be used to substitute for World History.**

6656 The Bible in History and Literature – Hebrew and New Testament*Level: L**Unit Credit: 1*

Students will examine the impact of the Bible's Hebrew Scriptures (Old Testament) and Greek Scriptures (New Testament) on contemporary society and culture, including law, history, government, literature, art, customs, music, morals, oratory, and public policy. This course is designed to maintain religious neutrality and accommodate the diverse religious views, traditions, and perspectives of students in this school district.

PE, Health, and Athletic Training

<u>COURSE</u>		<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
7551	Athletic Trainer 1 - 4	9-12	Local	Trainer Approval/Application Required
7555	Sports Medicine I	10-12	1	Trainer Approval/Application Required
7556	Sports Medicine II	11-12	1	Sports Medicine I/Trainer Approval
8001-8004	Football Year 1 - 4	9-12	1	Coaches Approval
8005-8008	Boys Basketball Year 1-4	9-12	1	Coaches Approval
8009-8012	Boys Soccer Year 1-4	9-12	1	Coaches Approval
8013-8016	Baseball Year 1-4	9-12	1	Coaches Approval

8017-8020	Boys Golf Year 1-4	9-12	1	Coaches Approval
8101-8104	Girls Volleyball Year 1-4	9-12	1	Coaches Approval
8105-8108	Girls Basketball Year 1-4	9-12	1	Coaches Approval
8109-8112	Girls Soccer Year 1-4	9-12	1	Coaches Approval
8113-8116	Softball Year 1-4	9-12	1	Coaches Approval
8117-8120	Girls Golf Year 1-4	9-12	1	Coaches Approval
8201-8204	Tennis Year 1-4	9-12	1	Coaches Approval
8205-8208	Cross Country Year 1-4	9-12	1	Coaches Approval
7500	Physical Education – Personal Fitness	9-12	1	None
7501	Physical Education –Team and Individual Sports	9-12	1	None
7502	Physical Education – Aerobic Activities	9-12	1	None
6609	Health	9-12	.5	None

7551 Athletic Trainer* (1 – 4)

Level: L Unit Credit: 1 Prerequisite: Trainer Approval/Application Required

This course is a study of the broad discipline of sports medicine. This course will prepare the student to use taping and bandaging techniques, etc. Students will be working closely with the varsity sports program and will be expected to work during extra-curricular activities.

***This course is a local credit course.**

7555 Sports Medicine 1

Level: L Unit Credit: 1 Prerequisite: Trainer Approval/Application Required.

This course is a classroom study of sports medicine. It is designed to further develop the skills of the student desiring to be in the field of sports medicine. This course is the prerequisite to Sports Medicine 2 which will be offered in the 2011-2012 school year.

7556 Sports Medicine 2

Level: L Unit Credit: 1 Prerequisite: Trainer Approval/Application Required.

This course is a more in-depth classroom study of sports medicine. It is designed to further develop the skills of the student desiring to be in the field of sports medicine.

8000s All Boys Athletics

Football, Basketball, Baseball, Golf, and Soccer – 9th grade and JV/Varsity

8100s All Girls Athletics

Volleyball, Basketball, Softball, Golf, and Soccer – 9th grade and JV/Varsity

8200s Tennis/Cross Country

Level: L Unit Credit: 1 Prerequisite: Coaches Approval

These classes are designed to prepare students for UIL competition.

7500 Physical Education – Foundations of Personal Fitness

Level: L Unit Credit: 1

Students will be given the opportunity to learn the knowledge and skills necessary to achieve physical fitness. The primary goal is to motivate students to strive for lifetime personal fitness.

7501 Physical Education – Team/Individual Sports

Level: L

Unit Credit: 1

Students will be given the opportunity to learn the knowledge and skills necessary to participate in various individual and team sports. The primary goal is to motivate students to strive for lifetime personal fitness.

7502 Physical Education – Aerobic Activities

Level: L

Unit Credit: 1

Prerequisite: PE 1

Students will participate in various aerobic activities to promote a healthy lifestyle. Students will be given the opportunity to acquire knowledge and skills necessary for enjoyment and social development through physical activity.

6609 Health

Level: L

Unit Credit: .5

Students will acquire health information and skills to assist in becoming healthy adults. Students are taught how to access accurate health information. Students are instructed in the decision-making process, problem-solving, research, and goal setting.

ALTERNATIVES TO PE REQUIREMENT

On Campus:

Willis High School offers the required curriculum for students in grades 9-12 as specified in 19 TAC 74.3(b)(1). One of the specified courses of study is physical education. All students must successfully complete 1 credit of physical activities as specified in local Board policy *EIF(Local)*. Alternatives are allowed and shall be based on physical activity involved in one of the following programs:

1. Drill Team and Marching Band during the fall semester
2. Junior Reserve Officer Training Corps (JROTC)
3. Athletics

The alternatives listed above do not require official request or submission of a request form but should be specified on a student's Personal Graduation Plan. Students shall receive academic credit in the listed discipline with no additional credit awarded for PE.

Off Campus:

WISD Board policy states that state graduation credit for physical education participation at an appropriate private or commercially-sponsored physical activity program conducted off campus may be substituted for a PE course. Students must submit the request in writing and submit the required documentation of participation and verification by an official of the private or commercially-sponsored entity.

Programs must meet district criteria and the student's attendance must meet the guidelines. Attendance in the program should be commensurate with the school year: **36** weeks for one full credit or **18** weeks for a half credit. Summer participation may be coupled with school year months. Grades will not be posted to a student's academic achievement record until the conclusion of the school year in which the request is made and will be represented by a 90%. To earn more than one credit, requests must be submitted annually.

Requests are classified in one of two categories, Category I and Category II, for presentation to the Superintendent of Schools.

Category I involves physical activity programs that lead to Olympic level participation and requires a minimum of **15** hours per week commensurate to **36** weeks of instruction of documented, professionally-supervised training. Students qualifying and participating at this level may be dismissed from school for one period per day.

Category II activities do not involve Olympic level participation but must also be certified by the Superintendent to be of high quality and well-supervised by appropriately trained instructors. Student participation in this category must entail at least **5** hours per week commensurate to **36** weeks of instruction; students may not be dismissed from any part of the regular school day.

All students must request PE substitution by October 1st of the current school year.

Foreign Language

6511 Spanish 1

Level: L

Unit Credit: 1

This course introduces the student to the world of Hispanic culture through basic reading, writing, and listening skills; including the acquisition and development of conversational ability, reinforced by the study of simple grammatical structures.

6513 Spanish 1/2 for Native Speakers

Level: L

Unit Credit: 2

Prerequisite: **Application/Approval**

Course Description: This course will address the unique instructional needs of those students who speak Spanish fluently or as their first language. This course will develop correct further oral fluency, and written literacy through literature. ***Students who display a proficient knowledge of the material covered will receive credit for Spanish 1 and Spanish 2.** A passing grade on a Spanish I Credit-by-Exam test given at the beginning of the course is required to remain in the course. **This course is a prerequisite for Spanish 3 Pre-AP for Native Speakers.**

6521 Spanish 2

Prerequisite: *Spanish 1 or committee approval*

Level: L

Grade: 9-12

Unit Credit: 1

This course is a comprehensive study of grammar, conversation, and a cultural history of Spain and Hispanic America through reading selections.

6522 Spanish 2 Pre-AP

Level: P AP

Unit Credit: 1

Prerequisite: *PAP Spanish 1/Teacher Approval*

This accelerated course is designed for highly motivated students who have demonstrated strong mastery of vocabulary and grammar of Spanish 1. Pre-AP Spanish 2 builds on the foundations developed in Spanish 1 and the primary language of instruction is Spanish. Students must be prepared for the supplemental expansion of the curriculum as well as the increased rigor of the classroom.

6531 Spanish 3 Pre-AP for Non Native Speakers

Level: P AP

Unit Credit: 1

Prerequisite: *Spanish 2/Teacher Approval/ P AP Requirements*

This course is designed for the students that are not native Spanish speakers. This honors course is an intensive study of advanced grammar necessary for accurate written expression, along with culture and extensive language development. This course is a prerequisite to AP Spanish 4 for Non Native Speakers.

6532 Spanish 3 Pre-AP for Native Speakers

Level: P AP

Unit Credit: 1

Prerequisite: *Spanish 2/Teacher Approval/PAP Requirements*

This course is designed for the students that are native Spanish speakers. This honors course is an intensive study of advanced grammar necessary for accurate written expression, along with culture and extensive language development. This course is a prerequisite to AP Spanish 4 for Native Speakers.

6541 Spanish 4 Advanced Placement for Non Native Speakers

Level: AP

Unit Credit: 1

Prerequisite: *Spanish 3/Teacher Approval/AP Requirements*

This course is designed for students who are not native Spanish speakers. This honors course is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development. This course is designed to help students prepare for the AP Spanish Examination. This course is a prerequisite for AP Spanish 5 Literature.

6542 Spanish 4 Advanced Placement for Native Speakers

Level: AP

Unit Credit: 1

Prerequisite: *Spanish 3/Teacher Approval/AP Requirements*

This course is designed for students who are native Spanish speakers. This honors course is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development. This course is designed to help students prepare for the AP Spanish Examination. This course is a prerequisite for AP Spanish 5 Literature.

6615 Debate 3

Level: L

Unit Credit: 1

Prerequisite: Debate 2

This course expands and continues the lessons learned in Debate 2 with an emphasis on advanced and nonstandard formats of argumentation and debate. Students enrolled in this course are required to attend speech tournaments and participate in competitive debates.

6651 Media Literacy

Level: L

Unit Credit: 1

Students enrolled in Media Literacy will develop their skills in understanding, analyzing, using, and producing media intelligently. High school students should realize that media can be a vehicle for full participation in academic, social, and democratic processes. Students enrolled in Media Literacy will understand how media influences our tastes, our behavior, our purchasing, and our voting decisions. Students who are media literate understand television, radio, film, and other visual images and auditory messages.

6652 Journalism

Level: L

Unit Credit: 1

Prerequisite: 6651 or PAP English 1 or 2

Introduction to basic journalistic skills, including newspaper writing and yearbook compilation with a heavy emphasis on writing.

6661/6662/6663**Advanced Journalism Newspaper****6671/6672****Advanced Journalism Yearbook**

Level: L

Unit Credit: 1

Prerequisite: Journalism/Application Required/For Yearbook

only – Digital Interactive Media

Two classes of Advanced Journalism will be taught, one for the production of “The Wildkat”, the Willis yearbook, and another for production of the school newspaper, “The Voice of the Wildkats.” In a laboratory situation, students will demonstrate their knowledge of the elements and processes necessary in the production of these publications. Students should have excellent grades as well as be able to work after school hours capturing the events that would go into publications.

Fine Arts**6700 Art 1**

Level: L

Unit Credit: 1

This course is an introduction to art history and two-dimensional art. Students will create works of art from a wide range of media.

6701 Art 2 – Drawing**6702 Art 2 - Painting****6703 Art 2 – Sculpture****6704 Art 2- Ceramics**

Note: A student may take more than one Art II class in a school year upon reaching Art 2 level.

Level: L

Unit Credit: 1

Prerequisite: Art 1 & Instructor Approval

The four basic strands of perception, creative expression/ performance, historical and cultural heritage, and critical evaluation are an integral part of the Art II program, with a more in depth approach to developing knowledge and skills using specific ideas to visualize themes and using precise art vocabulary.

6705 Art 3 – Drawing**6706 Art 3 – Painting****6707 Art 3 – Sculpture****6708 Art 3 - Ceramics**

Level: L

Unit Credit: 1

Prerequisite: Art 2 & Instructor Approval

A continuation of Art 2. The student will develop one’s style of art, developing a strong portfolio for scholarship applications and exploring careers in the arts.

6709 Art 4 – Drawing**6710 Art 4 - Painting****6711 Art 4 – Sculpture****6711 Art 4 - Ceramics**

Level: L

Unit Credit: 1

Prerequisite: Art 3 & Instructor Approval

A continuation of Art 3 with an emphasis on portfolios, careers, and scholarships.

6712 Advanced Placement Studio Art

Level: AP

Unit Credit: 1

Prerequisite: Instructor Approval

The student will develop a general or drawing portfolio and will be responsible for portfolio submission. In addition to completing the Art 4 curriculum, a slide presentation will be required.

6721 Theatre Arts 1*Level: L**Unit Credit: 1*

This course is an introduction to theatre, including theatre history, terminology, basic acting skills, voice and diction training, and styles of drama, costuming, movie history, and set design.

6722 Theatre Arts 2*Level: L**Unit Credit: 1**Prerequisite: Theatre Arts 1*

Consists of voice and diction, including standard stage diction, and play-analysis. Students are encouraged to act in fall production, one-act play, and annual children's play.

6723 Theatre Arts 3*Level: L**Unit Credit: 1**Prerequisite: Theatre Arts 2; Instructor Approval*

A course designed for advanced theatre students to study the different methods of acting. This will be a yearlong course that students must audition for and meet director's approval. The students will analyze and interpret scripts and utilize advance characterization. Students in this class may also participate in Drama Kats, a group that performs at local schools.

6724 Theatre Arts 4*Level: L**Unit Credit: 1**Prerequisite: Theatre Arts 3; Instructor Approval*

A course designed for all ability levels. This course will explore the history of film in the U.S. and how it reflects historical and social mores. Students will view films from the silent era to present and report their analysis in written, oral, or group discussion form. Product and depth of analyzing will coincide with student's ability level. Students also perform in the annual children's play and are eligible to participate in Drama Kats.

Band 6731/6732/6733/6734 Wind Ensemble 6741/6742/6743/6744 Concert Band
6751/6752/6753/6754 Symphonic Band

*Level: L**Unit Credit: 1**Prerequisite: Instructor approval & Audition*

Performing group. Students will further their instrumental technique, and music theory skills through participating in the high school marching band and concert band programs. All students will be required to participate in UIL contest for marching, concert bands, a solo and ensemble and all other scheduled performances of the high school band program. PE waiver is earned for the fall semester upon successful participation in marching season.

6765 Jazz Band*Level: L**Unit Credit: 1**Prerequisite: In Band; Inst. approval & Audition*

Performing Group. The purpose of this course will be to study and to perform Jazz music from the past and present in concerts throughout the year. The course also involves the study and application of basic music theory through improvisation.

6771 Applied Music 1**6772 Applied Music 2***Level: L**Unit Credit: 1**Prerequisite: Inst. Approval;*

**Applied Music 1 must be taken before Applied Music 2*

An individualized music program with in-depth, concentrated study of the basics through scales, etudes, rhythms, and terminology to the very advanced stage of the individual's ability. All students will be required to participate in the Regional Band Auditions, and UIL Solo and Ensemble competitions. Applied Music 1 is recommended for 11th and 12th graders. 10th graders will be considered on a case by case basis

6781 Music Theory 1*Level: L**Unit Credit: 1**Prerequisite: Inst. approval*

This course is primarily for students who desire an in-depth study in music theory and are interested in music as a career. The course involves a detailed study of mechanics of music: rhythm, chord progressions, melodic organization, etc.

6782 Music Theory 2*Level: L**Unit Credit: 1**Prerequisite: 6781; Inst. approval*

It is designed specifically for students who plan to continue their musical training at the college level. Expanded part writing procedures will be covered as well as more advanced ear training. Also, some form and analysis will be a part of the curriculum.

6783 Music Theory Dual Credit*Level: DC**Unit Credit: 1**Prerequisite: Instructor approval*

This course is designed for students who plan to continue their musical training at the college level. The course involves a detailed study of mechanics of music. Expanded part writing procedures will be covered as well as advanced ear training.

6801/6802/6803/6804 JV Choir*Level: L**Unit Credit: 1**Prerequisite: Audition for placement*

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music. Students in JV choir are encouraged to participate in district, region and UIL events as appropriate. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

6811/6812/6813/6814 Varsity Choir*Level: L**Unit Credit: 1**Prerequisite: Audition for placement*

Performing group – This course is designed to offer opportunities to rehearse and perform many styles of choral music in an auditioned environment. Students in Varsity choir are required to participate in district, region and UIL events as appropriate. Students will perform frequently and must agree to the choir handbook policies with regards to performance attendance. Vocal techniques, sight reading, music fundamentals, and music theory are included in this class.

6820 Guitar 1**6821 Guitar 2****6823 Guitar 3****6824 Guitar 4***Level: L**Unit Credit: 1**Prerequisite: Audition*

**Guitar 1 must be taken before Guitar 2, unless instructor approval*

This course is for students who wish to learn or improve guitar skills through technique and literacy. All students must provide a classical/nylon string guitar. Students will learn and build skills through traditional and nontraditional notation as well as classical and popular playing techniques. Students will have the opportunity to perform and participate in available UIL events.

6822 Music History*Level: L**Unit Credit: 1**Prerequisite: None*

This course is an overview course designed to give students access to information about music and its history. Students will learn about the evolution of Western music as well as form intelligent opinions in order to gain skills needed to be a positive music consumer. The course will focus on the physics of sound, evolution of music, key composers, music literacy, various genres of music and the attendance of concerts in our community.

6831/6832/6833/6834 Drill Team I - IV*Level: L**Unit Credit: 1*

Prerequisite: Selection through a try-out process in the spring of each year.

This course prepares students for performance and competition. It will focus on dance technique and teach leadership skills. Drill Team requires out-of-school practices and rehearsals, as well as clothing/costume and other expenses. Guidelines for drill membership are available from the Drill Team Director. Students must have a physical exam on file in order to participate. This course is a Fine Arts credit and earns a PE substitution as well.

7531/7532/7533 Dance Composition Elite I - III*Level: L**Unit Credit: 1*

Prerequisite: Officer or Dance Company Member and/or Director Approval

This course is reserved for elite drill team members such as officers and the dance company and will expand further on the skills learned in drill team. It will focus on leadership skills and be used as a preparation for performance and competition. Dance composition and choreography will be reinforced through student activities and choreographic works.

6835/6836/6836/6837 Dance I - IV*Level: L**Unit Credit: 1*

Dance gives students the opportunity to acquire skills in various dance techniques. Dance activities may include ballet, modern, jazz, hip hop, ethnic, aerobic, and social dance. Students will also study dance terminology, history, and choreography. Students will have a performance requirement.

The following is a CTE courses that is allowable for a Fine Arts credit:

7023 Principles and Elements of Floral Design

Grades: 10-12

Unit Credit: 1

Prerequisite: AFNR Pathway ~~or 11th-12th grade~~

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Other Electives

AIR FORCE J.R.O.T.C.

6841 JROTC 1- Aerospace Science 1

Level: L

Grade: 9-12

Unit Credit: 1

Prerequisite: Approval – AFJROTC Instructor

The Frontiers of Aviation History traces the origins, evolution and development of global aviation and examines the role of air power in American military history. Teamwork and cooperation are practiced through several class projects. The course covers basic drill and introduction to military discipline. LE – 1 consists of citizenship, character, Air Force tradition, and wellness program (physical training).

6842 JROTC 2 – Aerospace Science 2

Level: L

Grade: 9-12

Unit Credit: 1

Prerequisite: Approval – AFJROTC Instructor

The Science of Flight provides an instruction of meteorology with emphasis on the nature of the atmosphere, weather forecasting, and aviation weather. Human requirements of flight focuses on aviation physiology, aerospace medicine, and human engineering. An end-of-course project is part of this course. Communication skills, time management, styles of management, and wellness program (physical training) make up the LE-2 curriculum.

6843 JROTC 3–Aerospace Science and Aviation 3

Level: L

Grade: 9-12

Unit Credit: 1

Prerequisite: Approval – AFJROTC Instructor

Global and Cultural Studies is a multidisciplinary course that introduces students to various regions of the world from a geographic, historical and cultural perspective. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, and population migration will be examined. LE-3 curriculum consists of drill and ceremony, life skills, career opportunities, and wellness program (physical training).

6844 JROTC 4–Aerospace Science and Aviation 4

Level: L

Unit Credit: 1

Prerequisite: Approval – AFJROTC Instructor

A modified Private Pilot Ground School Course is an in-depth, and very challenging, aviation science course designed to familiarize students with flying. Students demonstrate flight skills by successfully flying the flight simulator. LE-4 consists of senior command and management of the Cadet Corps and careers in aviation and wellness program (physical training). Survival training allows students to learn survival techniques, map reading, and escape and evasion skills. Skills are demonstrated on Senior campout.

6845/6846 JROTC Special Programs/Drill Team and Color Guard

Level: L

Unit Credit: .5 each

Each course is a semester course

Prerequisite: Approval – AFJROTC Instructor, enrolled in another JROTC course, marching skills

Drill Team and Color Guard are precision marching units. Students get to practice skills learned in basic JROTC marching classes and demonstrate those skills at selected competition meets. Additional extracurricular activities include marksmanship, rocket team training, and physical fitness team wellness program.

85000RTC-R JROTC Summer Leadership School

(Special Summer Course that will give you local high school credit)

Level: L

Unit Credit: .5

Prerequisite: Approval – AFJROTC Instructor and \$50 fee

Summer Leadership School is a comprehensive, intense eight day camp whereby students are taught drill and ceremonies, leadership, physical fitness, and teamwork/discipline exercises. Camp is conducted at the University of Texas San Antonio.

6680 Driver Education (Spring only)*Level: L**Unit Credit: .5**Prerequisite: 15 by January and a lab fee*

This is a one-semester course, which is offered for .5 credit. The course consists of a minimum of 80 clock hours covering the essential elements in the Texas Administrative Code and consisting of a minimum of 56 hours of driver education classroom instruction, a minimum of seven hours behind-the-wheel instruction and a minimum of seven hours of in-car observation. Students may obtain a Texas driver license upon the successful completion of the course. For the 2012-2013 school year the fee was \$375, but that is subject to change each year.

6681 Teen Leadership*Level: L**Unit Credit: .5**Prerequisite: None*

Teen Leadership will help students improve their social and study skills. Skills include taking responsibility for behavior, character development, conflict resolution, improving communication, goal setting, time management, and organization. Much of this class will be project oriented.

6620 G/T Independent Research*Level: G/T**Unit Credit: 1**Prerequisite: G/T program approval*

This course is an individualized class designed especially for G/T students wishing to research and become more familiar with selected professional fields and occupations.

Local Credit Electives

6682 Peer Tutoring/Star Tutoring – 11th and 12th graders only*Unit Credit: 1 Local**Prerequisite: Passed State Testing; Application Process, A/B Honor Roll*

This course is designed to offer the student experience teaching one-on-one in a classroom situation at the grade school and high school.

6684 Office Aide*Unit Credit: 1 Local**Prerequisite: Application Process*

This course is a study of monitoring and management techniques. It is highly recommended that a student not be selected as an aide until their senior year.

7462/7463 ER 7467 LA**Early Release and/or Late Arrival (no credits are awarded for these classes)**

Seniors may have Late Arrival or Early Release.

Special Education

BASIC ENGLISH I - 6001**BASIC ENGLISH II - 6002****Prerequisite - Eligibility Through The ARD Process**

These courses are designed for the student who reads basic sight words at a third grade or higher level. Emphasis is placed on reading and writing skills. Various types of reading materials are used to develop skills in decoding and comprehension, main idea, cause and effect, fact and opinion, sequencing and drawing conclusions. Writing skills addressed include sentence and paragraph structure, basic grammar, capitalization and spelling.

BASIC ENGLISH III - 6003**BASIC ENGLISH IV - 6004****BASIC READING I – 6046****Prerequisite - Eligibility Through The ARD Process**

This course is designed for the student who has difficulties with reading and decoding materials. This course includes various types of reading materials necessary to develop skills in decoding and comprehension of written materials.

BASIC ALGEBRA I - 6005**Prerequisite - Eligibility Through The ARD Process**

Basic Algebra I places emphasizes on the real number system, polynomials, solving equations and inequalities, solving systems of equations, quadratic equation functions and their graphs.

BASIC GEOMETRY - 6006

Prerequisite - Eligibility Through The ARD Process

This course focuses on geometric relationships and spatial reasoning, two- and three- dimensional representations, measurements and similarities, and helps students develop an understanding of shapes and their properties.

BASIC MATH MODELING- 6007

Prerequisite - Eligibility Through The ARD Process

Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information and solve real-life applied problems such as money management and interest rates.

BASIC ALGEBRA 2- 6008

Prerequisite - Eligibility Through The ARD Process

This course continues and enhances Algebra 1. Emphasis is on problem solving and further stresses the importance of algebraic thinking and symbolic reasoning.

BASIC BIOLOGY – 6009

Prerequisite - Eligibility Through The ARD Process

Students study will be introduced to the basic scientific processes as they apply to the nature of living systems. Lab activities relating to biology concepts, terms and theories provide a foundation for understanding the living world.

BASIC INTEGRATED PHYSICS & CHEMISTRY – 6010

Prerequisite - Eligibility Through The ARD Process

Introduces the student to the basic concepts of physics and chemistry. Topics include safety, scientific methods, measurement, mechanics, optics, acoustics, electricity magnetism and the basic concepts of general chemistry.

BASIC CHEMISTRY – 6011

Prerequisite - Eligibility Through The ARD Process

This course is designed to give a basic knowledge of atomic structure as it relates to the chemical behavior of elements.

BASIC ENVIRONMENTAL SCIENCE – 6013

Prerequisite - Eligibility Through The ARD Process

Students study the basics of the ecosystems, biomes, and sources and flow of energy through an environmental system. Students will examine the impact of human activity on the environment, populations, use and conservation of resources, and pollution.

BASIC WORLD GEOGRAPHY – 6014

Prerequisite - Eligibility Through The ARD Process

This course is designed to give students the basics to the world in which they live. The material focuses on regional studies of the five themes of geography. In this course of studies, students learn how people adapt to and change the world around them.

BASIC WORLD HISTORY – 6015

Prerequisite - Eligibility Through The ARD Process

This course is designed to give students the basics to the world and its history. The material focuses on world studies continent including maps. In this course of studies, students learn how people adapt to and change the world around them.

BASIC UNITED STATES HISTORY – 6016

Prerequisite - Eligibility Through The ARD Process

This course is designed to give students the basic studies of America's history from the 1860's to the present. Helps students understand the present and prepare for the future.

BASIC GOVERNMENT & ECONOMICS – 6017/6018

Prerequisite - Eligibility Through The ARD Process

The course is designed to give students the basic studies of our government and its relationship to our community and the economics of living and working in the United States. The course begins with an overview of basic concepts found in all political systems, the philosophical background that led to our constitutional development, and the basic concepts found in the Constitution.

APPLIED PERSONAL SKILL DEVELOPMENT- 6068 (WORK BASED LEARNING)

Prerequisite - Eligibility Through The ARD Process

This course helps to prepare students for future employability. Students participate in a variety of activities such as sorting, collating, filing, assembling, and cleaning.

APPLIED COMMUNITY INVOLVEMENT-6077

Prerequisite - Eligibility Through The ARD Process

This program is designed to provide hands on instruction in the world of employment. Classroom instructions include personal fact sheets, job applications, employer/employee relations and workplace needs. Students receive non-paid supervised job training at community sites. Emphasis is placed on becoming a good employee. The need for positive attitude and good work habits are also stressed.

VOCATIONAL EXPERIENCE - 6037 (WORK/STUDY)

Prerequisite - Eligibility Through The ARD Process

Students enrolled in this program can earn credits towards graduation through attending school part of the day and working part of the day. Vocational training and job experience are combined with academic courses that lead to maximum development of employment potential. The program is designed to help transition students into the world of work with support from the Vocational Coordinator and the Job Coach. Enrollment is based on individual needs and ARD decisions. Students and parents are given a Vocational Experience Handbook and must agree to accept the various responsibilities listed therein.

BASIC STUDY SKILLS - 6050

Prerequisite - Eligibility Through The ARD Process

The students will learn how to use the tools offered in high school to help them succeed in the classroom (computer lab, library, planners, textbooks, reference books and content mastery). They will learn how to study using the following skills: time management, organization, goal setting, making schedules, stress management, critical thinking, memorization, and vocabulary building exercises. They will learn how to participate actively in the classroom using the following skills: preparing for class, taking notes in lectures, and paying attention to assigned tasks. They will learn how to prepare for tests using test taking strategies, general test preparation, anticipating test content, review tools for tests, and overcoming test anxiety.

Lifeskills classes are designed for students with emerging academic or functional skills, and who benefit from a more structured environment.

APPLIED ENGLISH I, II, 111, IV – 6019-6022

Prerequisite - Eligibility Through The ARD Process

These courses are designed for the student who is a non-reader /writer or emerging reader/writer. Emphasis is placed on letter formation, phonics and beginning writing skills. Students learn to read or recognize basic survival vocabulary.

APPLIED ALG I, GEOMETRY, MATH MODELING, ALG II – 6023-6026

Prerequisite - Eligibility Through The ARD Process

This course is designed for the student with emerging number skills. Skills emphasized are number recognition; counting, basic addition, subtraction, multiplication, division, time concepts and money skills. This course meets the math requirement toward graduation.

APPLIED BIOLOGY, IPC, CHEMISTRY-

Prerequisite - Eligibility Through The ARD Process

Students will engage in scientific discovery that covers a variety of topics such as meal preparation, clothing care, horticulture exploration, weather, climate and personal health skills. We will also explore many ways to appreciate science in everyday life. This course meets the science requirement toward graduation.

APPLIED WORLD GEOG, WORLD HISTORY, US HISTORY 6032-6035

Prerequisite - Eligibility Through The ARD Process

This course is designed to give the student necessary skills to function in the community. Instruction includes on-site training in the community. Areas of emphasis are warning sign recognition, consumer information and social skills. This course meets the social studies requirement toward graduation.

APPLIED WORD PROCESSING I & II 6048-6049

Prerequisite - Eligibility Through the ARD Process

The curriculum is based on key topics in the general education technology computer class. Focus is on learning the proper keyboarding techniques to input data when using the computer or typewriter keyboard.

APPLIED DAILY LIVING- 6056

Prerequisite - Eligibility Through the ARD Process

Instruction will focus on self-help functional home and independent living skills. Students will focus on meal planning and preparation, grocery shopping, telephone skills including using the yellow pages, first aid and personal hygiene.

APPLIED PERSONAL SKILL DEVELOPMENT - 6060

Prerequisite - Eligibility Through the ARD Process

Curriculum will focus on functional skills needed for independent living.

ADAPTIVE PHYSICAL EDUCATION - 6064

Prerequisite - Eligibility Through The ARD Process

Designed to give the student skills to participate in and enjoy the leisure activities that the community has to offer. Students learn different sports and activities based on their interests, and what is available to them within the community. Students will also participate in a variety of interactive games, which address both fine and gross motor skills.

Career and Technology Education Courses

The Willis Independent School District offers career and technology education programs in Agriculture Science, Business and Marketing, Human Service, Industrial Technology and Health Science. Admission to these programs is based on interest and aptitude, age appropriateness, and class space available.

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

El district independiente de la escuela de Willis ofrece programas de la educacion de la carrera y de la tecnologia en ciencia de la agricultura, negocio y la comercializacidn, el servicio humano, la tecnologia industrial y la ciencia de la salud. La admission a estos programas se basa en interes y aptitude, conveniencia de la edad, y el espacio de la clase disponible.

Es la politica de W.I.S.D. a no dsicriminar en base de la raza, del color, del origen nacional, del sexo, o de la inhabilidad en sus programas, servicios, o actividades vocacionales segOn los requisitos del titulo VI del acto de las derechas civiles de 1964, segun la enmienda prevista; Titulo IX de las enmiendas de la educacion de 1972, y seccion 504 del acto de la rehabilitcion de 1973, segun la enmienda prevista.

Agriculture, Food and Natural Resources

7009 Principles of Agriculture, Food, and Natural Resources

Grades: 9-11

Unit Credit: 1

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations

7011 Agricultural Mechanics and Metal Technologies

Grades: 10-12

Unit Credit: 1

Prerequisite: Principles of AFNR
or Principles of Arch. & Construction or Principles of
Manufacturing

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. (\$25 lab fee required)

7012 Agricultural Power Systems

Grades: 11-12

Unit Credit: 2

*Prerequisite: Principles of AFNR
or Principles of Arch. & Construction or Principles of
Manufacturing*

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. (\$25 lab fee required)

7013 Agricultural Facilities Design and Fabrication

Grades: 11-12

Unit Credit: 2

*Prerequisite: Principles of AFNR
or Principles of Arch. & Construction or Principles of
Manufacturing*

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. (\$25 lab fee required)

7014 Equine Science

Grades: 10-12

Unit Credit: 1

Prerequisite: AFNR Pathway

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.

7015 Small Animal Management

Grades: 10-12

Unit Credit: 1

Prerequisite: AFNR Pathway

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.

7016 Advanced Animal Science (can be 4th science elective)

Grades: 12

Unit Credit: 1

*Prerequisite:
AFNR Pathway*

This course is designed to prepare students in the field of animal science, attain knowledge of animal species such as cattle, swine, sheep and goats. It will introduce students to industry standards, career opportunities and entry requirements.

7017 Veterinary Medical Applications

Grades: 11-12

Unit Credit: 1

*Prerequisite: AFNR Pathway, or Biology I;**Application; Equine Science, Small Animal Management; approved Vet Tech Application*

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Must be approved by an application.

7018 Wildlife, Fisheries and Ecology Management

Grades: 10-12

Unit Credit: 1

Prerequisite: AFNR Pathway

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. Hunter's Safety Education will be taught. (\$15 fee for certification)

7019 Energy and Natural Resources Technology

Grades: 10-12

Unit Credit: 1

Prerequisite: AFNR Pathway

To be prepared for careers in the field of energy and natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to energy and natural resources and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

7020 Range Ecology and Management*Grades: 11-12**Unit Credit: 1**Prerequisite: AFNR Pathway*

This course is designed to develop students' understanding of rangeland ecosystems and sustainable forage production.

7021 Forestry and Woodland Ecosystems*Grades: 11-12**Unit Credit: 1**Prerequisite: AFNR Pathway*

This course examines current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment.

7022 Horticulture Science*Grades: 11-12**Unit Credit: 1**Prerequisite: AFNR Pathway*

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

7023 Principles and Elements of Floral Design (course can count toward Fine Arts credit)*Grades: 10-12**Unit Credit: 1**Prerequisite: AFNR Pathway*

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

7024 Landscape Design and Turf Grass Management*Grades: 10-12**Unit Credit: 1**Prerequisite: AFNR Pathway*

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

7027 Practicum in Agriculture, Food, and Natural Resources*Grade: 12**Unit Credit: 2**Prerequisite: Application; 12th grade**only; Application and approval from teacher; Completed approved advanced classes in one of the AFNR Pathways*

The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories.

Architecture and Construction

7031 Principles of Architecture and Construction*Grades: 9-11**Unit Credit: 1*

Introduction: Principles of Architecture and Construction provides an overview to the various fields of architecture, interior design, construction science, and construction technology.

7032 Construction Technology*Grades: 10-12**Unit Credit: 2**Prerequisite: Principles of Arch. & Construction or Principles of Manufacturing*

Introduction: In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering.

7033 Advanced Construction Technology*Grades: 11-12**Unit Credit: 2**Prerequisite: Construction Technology*

Introduction in Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills.

7034 Practicum in Construction Management

Grade: 12

Unit Credit: 2

*Prerequisite: Coherent sequence in
Construction Management*

Introduction: Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

7035 Interior Design

Grades: 11-12

Unit Credit: 1

*Prerequisite: Principles of Architecture
and Construction or Architectural Design.*

This technical laboratory course focuses on the design of residential and nonresidential interiors to improve the wellbeing of the occupant. Application of the interior design process will be carried out through practical projects.

7036 Advanced Interior Design

Grades: 11-12

Unit Credit: 1

Prerequisite: Interior Design

Advanced Interior Design will expand on the principles taught in Interior Design and delve deeper into the careers available and develop a professional multimedia portfolio.

Arts, A/V Technology, and Communications**7002 Principles of Arts, Audio Video Technology, and Communications**

Grades: 9-11

Unit Credit: 1

This course develops communication skills in professional and social contexts. Students will create and evaluate formal and informal professional presentations using audio/visual technologies. Flash Drive storage device required for course – 2 GB Minimum.

7003 Fashion Design

Grades: 10-12

Unit Credit: 1

*Prerequisite: Principles of Arts,
Audio/Video Technology and Communications.*

Students will develop skills necessary for a career in fashion, fashion design, fashion retail sales and management. Sewing and designing are a large part of this laboratory course. Prerequisite: Principles of Arts, Audio/Video Technology, and Communications.

7004 Advanced Fashion Design

Grade: 12

Unit Credit: 2

Prerequisite: Fashion Design

Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production. Students will develop complex skills necessary for a career in fashion, fashion design, fashion retail sales and management.

7005/7006 Audio Video Production/Advanced Audio Video Production

Grades: 11-12

Unit Credit: 1

*Prerequisite: Digital and Interactive
Media; approved Application and; after school activity
attendance required*

Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities. Students will produce a daily school new broadcast.

7007 Commercial Photography

Grades: 10-12

Unit Credit: 1

Materials Required: Digital Camera with manual and automatic settings, in regards to aperture and shutter speed.

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing 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 the commercial photography industry with a focus on creating quality photographs.

7008 Advanced Commercial Photography

Grades: 11-12

Unit Credit: 1

*Prerequisite: Commercial Photography***Materials Required:** Digital Camera with manual and automatic settings, in regards to aperture and shutter speed.

Students will build on skills acquired in Commercial Photography. They apply the skills and will be expected to develop an in-depth understanding of the commercial photography industry with a focus on creating quality photographs.

Business Management and Administration**7081 Principles of Business, Marketing, and Finance**

Grades: 10-11

Unit Credit: 1

Students gain knowledge and skills in economics and private enterprise systems, impact of global business, marketing of goods and services, finance, advertising and pricing. *A 4G flash drive is required and \$20 DECA fee.

7082 Business Information Management I

Grades: 9-12

Unit Credit: 1

Curriculum focuses on word processing, spreadsheets, databases, desktop publishing, presentation management, and emerging technologies. A 2GB minimum USB (flashdrive) is required for this course to be left with the teacher. *This course satisfies the technology applications requirement for graduation.

7083 Business Law

Grades: 11-12

Unit Credit: .5

*Prerequisite: Principles of Business,
Marketing and Finance
Must be in the 11th or 12th grade*

Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property.

7084 Virtual Business

Grades: 11-12

Unit Credit: .5

*Prerequisite: Principles of Business,
Marketing and Finance
Must be in the 11th or 12th grade*

Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

7085 Business Information Management II

Grades: 10-12

Unit Credit: 1

Business Information Management I

Curriculum focuses on workplace technology standards with Advanced applications of word processing, spreadsheets, databases, desktop publishing, presentation management, operating systems, and emerging technologies. A 2GB minimum USB Drive is required for this course to be left with the teacher. This course assists students in preparing for Microsoft Application Specialist Certification.

7086 Business Management

Grades: 10-12

Unit Credit: 1

*Prerequisite: Principles of Business,
Marketing, and Finance*

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry.

Education and Training**7131 Principles of Education and Training**

Grades: 9-12

Unit Credit: 1

Students will be introduced to the various careers available within the education and training career cluster. Students will analyze and develop skills specific for various careers within the education and training career cluster.

7132 Instructional Practices in Education and Training*Grades: 11-12**Unit Credit: 2**Prerequisite: Principles of Education and Training and Human Growth and Development.
Must have own transportation to and from internship site*

Students will be active in a field-based internship. Students work under the joint direction of both an early childhood education teacher and exemplary educators in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for a variety of educational environments.

7133 Human Growth and Development*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of Education and Training or Principles of Human Services*

Students will study human development across the lifespan with emphasis upon research, theory, and common physical, cognitive, emotional, and social developmental milestones.

Finance

7092 Accounting I*Grades: 10-12**Unit Credit: 1**Prerequisite: Geometry*

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information.

7093 Accounting II*Grades: 11-12**Unit Credit: 1**Prerequisite: Accounting I*

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities.

7094 Statistics and Risk Management (can be 4th math elective)*Grade: 12**Unit Credit: 1**Prerequisite: Accounting I and Algebra II*

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are accurate.

Health Science

7101 Principles of Health Science*Grades: 10-12**Unit Credit: 1*

Course designed to develop health care specific knowledge and skills in effective communications, ethical and legal responsibilities, client care, safety, and first aid. Curriculum prepares student for the transition to clinical or work based experience in health care and meets National Health Care Standards. This course will satisfy the Health requirement for graduation.

7102 Health Science*Grades: 11-12**Unit Credit: 2**Prerequisite: Principles of Health Science*

Course is designed to prepare students for college and workforce through experimental rotations and classroom activities. Students will learn the roles of medical workplace. Students will need to fill out application in order to be considered for this class and **must have transportation**.

7103 Practicum in Health Science 2 - Pharmacy Technician*Grade: 12**Unit Credit: 2**Prerequisite: Health Science/Approved Application*

Course is designed for students to gain knowledge required to take the PTCB exam and become a pharmacy tech. Students will need to fill out application in order to be considered for this class and must have transportation. Students will also need \$295 for their State Exams and fingerprinting.

7104 Practicum in Health Science 1 – Medical Coding and Billing*Grade: 12**Unit Credit: 3**Prerequisite: Health Science/Approved Application*

The MBC program is designed to equip students with the knowledge, technical skills, and work habits required for an entry-level position in the medical insurance billing and coding field by offering problem-solving exercises by utilizing real-world scenarios. The MBC program places a strong emphasis on ethics, accountability, professionalism, and the individuals' commitment to the pursuit of lifelong personal, educational and professional development, as it relates to the medical insurance billing and coding field.

7105 Practicum in Health Science 2 - CNA & Phlebotomy*Grade: 12**Unit Credit: 3**Prerequisite: Health Science / Approved Application*

Prepares students for careers as entry level nursing assistants. Students will prepare to take the NACES certification exam. Students will have the opportunity to earn phlebotomy certification.

7106 Anatomy and Physiology (can be 4th science elective)*Grade: 12**Unit Credit: 1**Prerequisite: 3 units of Science*

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Hospitality and Tourism

7051 Culinary Arts*Grade: 11-12
and Wellness**Unit Credit: 1**Prerequisite: Principles of Human Services/Nutrition*

Students will be trained for career opportunities in the food service/culinary arts industry. Students will perform quality food production as it relates to catering, bakery, restaurant, hospitality and fast food business operations.

Human Services

7111 Principles of Human Services*Grades: 9 -12**Unit Credit: 1*

Students will investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to utilize these essential skills for success in high-skill, high-wage, or high-demand human services careers.

7112 Child Development*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of Human Services*

Students will explore a child's growth and development from prenatal through school-age, and equip students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

7113 Child Guidance*Grade: 11 - 12**Unit Credit: 1**Prerequisite: Child Development.*

Students will apply skills related to children's growth and guidance; equip students to develop positive relationships with children and build caregiver skills. Students use these skills to promote the well-being and healthy development of children, and pursue careers related to the care, guidance, and education of children, including those with special needs.

7114 Lifetime Nutrition and Wellness*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of Human Services*

This laboratory course allows students to use principles of wellness and nutrition to help them make informed choices that promote a healthy lifestyle and basic cooking skills, as well as, pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

7003 Fashion Design (is included in this pathway as well as AAVTC pathway)*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of Arts,
Audio/Video Technology and Communications.*

Students will develop skills necessary for a career in fashion, fashion design, fashion retail sales and management. Sewing and designing are a large part of this laboratory course. Prerequisite: Principles of Arts, Audio/Video Technology, and Communications.

Information Technology

7041 Principles of Information Technology*Grades: 10-12**Unit Credit: 1**Prerequisite: BIM 1*

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. Flash Drive storage device required for course – 2 GB Minimum.

7042 Computer Maintenance*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of Information
Technology*

This course provides an excellent introduction to the IT industry and interactive exposure to personal computers, hardware, and operating systems. Students participate in hands-on activities and lab based learning to become familiar with various hardware and software components and discover best practices in maintenance and safety. This course prepares students to take the COMPTIA A+ Certification.

7043 Internetworking Technologies I*Grades: 11-12**Unit Credit: 2*

Cisco Networking Inc sponsors this program. This course is designed to develop the skills needed to design, build and maintain small to medium sized networks. Lab environment provides for real-world skills. Course focuses on network fundamentals, router theory and technologies, switching, and network design. Students are provided the knowledge and experience to enter the workforce and/or further their education and training in the computer-networking field. This course provides preparation for the Cisco Certified Entry Networking Technician (CCENT) certification exam for entry network technicians.

7044 Internetworking Technologies II*Grade: 12**Unit Credit: 2**Prerequisite: Internetworking
Technologies I*

This course is a continuation of Internetworking I. This course familiarizes students with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP Telephony requirements, and security. It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol. This course provides preparation for the Cisco Certified Networking Associate (CCNA) certification.

7045 Web Technologies*Grades: 11-12**Unit Credit: 1**Prerequisite: Principles of Information
Technology*

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. Flash Drive storage device required for course – 2 GB Minimum.

7046 Digital and Interactive Media*Grades: 11-12**Unit Credit: 1**Prerequisite: Business Information
Management I*

This course develops proficiencies in designing, importing, and manipulating advanced text, graphics, audio, and video used in presentation management, multimedia productions, publishing systems, and emerging technologies. Flash Drive storage device required for course – 2 GB Minimum.

7047 Computer Technician*Grades: 11-12**Unit Credit: 2**Prerequisite: Computer Maintenance*

This course is a continuation of Computer Maintenance. Students participate in hands-on activities and lab based learning to become familiar with advanced topics of various hardware and software components and discover best practices in advanced maintenance and safety.

7049 Computer Programming*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of Information Technology*

Students acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. 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 as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies.

Law, Public Safety Corrections and Security

7120 Principles of Law, Public Safety, Corrections and Security*Grades: 9-12**Unit Credit: 1*

This introductory course exposes students to professions in law enforcement, security, corrections, and fire and emergency services. Students will examine the roles and responsibilities of police, courts, corrections, private security and protective agencies.

7121 Forensic Science (can be 4th science elective)*Grades: 11-12**Unit Credit: 1**Prerequisite: Biology and Chemistry*

Forensic Science uses critical thinking and problem solving skills through scientific investigation, data collection and evaluation. Students will record data collection results and draw conclusions based on evidence. Units of study include fingerprinting, toxicology, trace evidence, DNA, document analysis, serology and biology.

7122 Law Enforcement 1*Grades: 10-12**Unit Credit: 1*

This introductory course exposes students to professions in law enforcement, security, corrections, and fire and emergency services. Students will examine the roles and responsibilities of police, courts, corrections, private security and protective agencies.

7122 Law Enforcement 2*Grades: 10-12**Unit Credit: 1**Prerequisite: Law Enforcement 1*

This class is designed to build on what the student learned in Law Enforcement 1. Skills learned will progress to more advanced levels.

Manufacturing

7061 Principles of Manufacturing*Grades: 9-11**Unit Credit: 1*

In Principles of Manufacturing, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing.

7062 Welding*Grades: 10-12**Unit Credit: 2**Prerequisite: Principles of Arch. & Construction or Principles of Manufacturing*

Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development.

7063 Advanced Welding*Grades: 11-12**Unit Credit: 2**Prerequisite: Welding*

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development.

7064 Flexible Manufacturing*Grades: 11-12**Unit Credit: 2**Prerequisite: Advanced Welding*

Rapid advances in technology have created new career opportunities and demands in many industries. Flexible Manufacturing provides the knowledge, skills, and technologies required for employment in metal technology systems.

7065 Practicum in Manufacturing-Welding*Grades: 11-12**Unit Credit: 3**Prerequisite: Approved Application*

Welding techniques include: Metal Arc, Gas metal Arc, Tungsten Arc, Shielded metal plate, and Metal Arc pipe welding.

7066 Advanced Precision Metal Manufacturing*Grades: 11-12**Unit Credit: 3**Prerequisite: Approved Application*

Topics include blueprint reading, basic welding, machinist math, precision tools, and manual machining.

Marketing

7087 Entrepreneurship*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of B,M, & F*

Students will gain knowledge and skills needed to become an entrepreneur. They will learn the principles necessary to begin and operate a business. Primary focus is to help students analyzing a business opportunity and determine goods and services to sell for profit.*A 4G flash drive is required and \$20 DECA fee. Additional costs may be incurred if pursuing a sales and customer service certification.

7088 Advertising and Sales Promotion*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of B,M, & F*

This is an introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising and explore the social, ethical and legal issues in advertising. *A 4G flash drive is required and \$20 DECA fee. Additional costs may be incurred if pursuing a sales and customer service certification.

7089 Marketing Dynamics*Grades: 10-12**Unit Credit: 2**Prerequisite: Principles of B,M, & F*

Students gain knowledge of marketing areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management and selling skills. Students should integrate skills from academic subjects, information technology, interpersonal skills, and management training to make responsible decisions. *A 4G flash drive is required and \$20 DECA fee.

7090 Sports and Entertainment Marketing*Grades: 10-12**Unit Credit: 1**Prerequisite: Principles of B,M, & F*

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. Areas covered include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals. *A 4G flash drive is required and \$20 DECA fee.

7091 Practicum in Marketing Dynamics*Grade: 12**Unit Credit: 3**Prerequisite: Marketing Dynamics*

Through course required employment, students gain knowledge and skills that help them become proficient in the marketing functional areas. *Student must find marketing related job approved by course instructor and student must have own transportation to and from job.

Science, Technology, Engineering and Mathematics

7071 Engineering Design and Presentation*Grades: 10-12**Unit Credit: 1**Prerequisite: Geometry*

Students will use a variety of software applications to produce and present engineering drawings, solid model renderings, and prototypes. Through implementation of the design process, students will transfer advanced academic skills to component designs. Engineering Design is a rigorous, upper level course designed for students with a strong mathematics background and interest.

7072 Principles of Technology (can be substituted for Physics)*Grades: 11-12**Unit Credit: 1**Prerequisite: Physics or concurrent*

Principles of Technology is a first-year physics course that integrates mechanical, fluid, electrical, and thermal energy systems in an approach to learning that allows students to explore, experiment and apply physics to real-life applications and situations. Students learn contextually with computer data-acquisition and interactive labs.

7073 Robotics and Automation*Grades: 10-12**Unit Credit: 1**Prerequisite: Teacher Approval*

Students will gain knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills into a project-based environment.

Transportation, Distribution, and Logistics

7141 Automotive Technology*Grades: 11-12**Unit Credit: 3**Prerequisite: Approved Application*

Automotive services including: functions of the major automotive systems, principles of diagnosing automotive systems, and servicing automotive systems

Cooperative Program

7150/7151 Career Preparation I/II*Grade: 11-12**Unit Credit: 3**Prerequisite: Approved Application*

Students receive general employability skills as a group and individual training that will address their job specific knowledge and skills. Curriculum is designed to enhance communication and interpersonal skills. Students are required to work a minimum of 15 hours per week at an approved training site. This course is designed to assist students seeking career experience in industrial trades, communications, agriculture sciences, business and/or office careers.

STUDENT RESPONSIBILITIES CAREER AND TECHNOLOGY EDUCATION COOPERATIVE PROGRAMS WILLIS INDEPENDENT SCHOOL DISTRICT 2013-2014 SCHOOL YEAR

Prospective Cooperative Education students:

- must be 16 years old
- classified as a Junior (11th) or Senior (12th) at the beginning of the school year
- should have no more than five (5) classes other than their Cooperative Education class, PREFERREDLY only four (4) other classes
- must provide their own transportation to and from their training station
- should not have attendance or discipline issues the previous year

If approved Cooperative Students:

- will be required to attend, with a parent or guardian, a mandatory meeting before the first day of school—date and time to be announced at registration
- must be employed before the first day of school
- must sign and agree to follow the Student Responsibilities for Coop. Students (a copy is on the back of the application)
- may NOT be employed by their parents or an immediate member of their family
- must bring a check stub, during the first two weeks of school, showing that the legally required deductions are taken out of their earnings (They may NOT be paid in cash)

In order to maintain a quality Career and Technology Education Cooperative Training Program for Willis I.S.D., the student, parents, training sponsor, and the school authorities agree to the governing principles outlined below:

1. The teacher-coordinator is responsible for the following:
 - a. aiding the student in obtaining job interviews.
 - b. approving all Training Stations.
2. Students involved in major extracurricular activities must have employment with an approved Training Station that is willing to adapt a work schedule for the student that will meet Texas Education Agency requirements (15 hours per week).

3. Students are not permitted to change jobs during the year without the coordinator's approval and only then in the case of poor Training Station or lay-offs. Students who quit their job without the coordinator's permission, will fail that grading period, and are subject to an alternative placement in ISS where the student will work on a career and ethics curriculum.

A student may also be placed in the alternative ISS setting at any time for any of the reasons below. The student:

- a. **is terminated from his Training Station and the coordinator and the ARD Committee determines the termination was for just cause. Training Station expiration or a poor training situation will not be penalized.**
 - b. **quits the Training Station without permission from the coordinator.**
 - c. **displays an uncooperative attitude toward school administration or teacher personnel, or displays misconduct at school or work.**
 - d. **has excessive absences or tardiness.**
 - e. **is suspended from school.**
 - f. **students will not be eligible to receive credit for the class if they are unemployed for 15 consecutive school days.**
4. A student may not work for a member of the immediate family or company owned by a member of the immediate family.
 5. An employer may require a student trainee to work during school holidays. If their work schedule must be modified for any reason, the student will notify their employer and coordinator in advance and abide by the decision of their coordinator and employer.
 6. The student will inform the coordinator promptly of any problems arising on their job that adversely affects them personally or professionally, and enlist the coordinator's counsel and assistance so that they may work together to find a viable solution to that problem.
 7. If parents have any questions or concerns about the student's Training Station, they will contact the coordinator, not the employer.
 8. The student is under school supervision not only at school, but also on the way to his Training Station, and during his work schedule at his Training Station. School credit is given for hours spent at the Training Station and supervision applies the same as if the student were in school.
 9. If the student is absent from school on any particular day for any reason he will call the employer and teacher-coordinator no later than 9:00 a.m. on the day of his absence. **Absence from any portion of regular school classes automatically disqualifies a student from reporting to his Training Station that day.**
 10. Students should understand that club membership is an important part of every Career and Technology Education program and if accepted, will participate as an active member and pay club dues on time.
 11. Students and/or parents are responsible for transportation arrangements, and the school is not liable for any accidents in route to or from the Training Station. All Co-op students driving vehicles to school will comply with school parking regulations. Co-op students must park in the East Parking Lot reserved for them.
 12. Students will earn three (3) credits for the Co-op Program. Since attendance is vital to this program, excessive absences will result in the alternative ISS setting.
 13. Students cannot receive credit for cooperative training if they are unable to report to their job sites.
 14. Students must be well groomed and dress appropriately for school and their particular Training Station, based on standards set up by the coordinator, training supervisor, and school authorities.
 15. Students must be employed in an approved Training Station within two weeks of school starting.
 16. Students must work a minimum of 15 hours per week at the designated Training Station.
 17. Students may not work in any hazardous occupation as cited by the U.S. Department of Labor, unless certain exemptions have been made for student-learners.
 18. Any student that missed 15 days of school during the fall semester will be removed from the class and must submit a formal request/explanation of special circumstances why they should be allowed to be let back in the program.

Application Process for Cooperative Education Willis High School 2013-2014

1. Student should fill out application and return to counselor.
2. Grade Level Office should fill in office portion of application pertaining to absences and discipline.
3. Application should be returned to respective Cooperative Education Teacher/Coordinator for review and final approval.
4. Cooperative Education Teacher/Coordinator should approve or reject application, make a copy for personal records, and return to the proper counselor for student notification.

Student Application Deadline: March 22, 2013

