



# **Willis Independent School District**

**High School  
Course Catalog**  
for  
**2016-2017**

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# Willis High School Course Catalog for 2016-2017

**Department: AFJROTC**

**Program: AIR FORCE J.R.O.T.C.**

## **Aerospace Science 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6841	JROTC 1	1			PES00004	High Sch	No	2

**Prerequisite:** Approval – AFJROTC Instructor

A blended course designed to accommodate first, second, and third year cadets in the same classroom. The goal is to promote citizenship, develop leadership skills and build self-discipline. It includes instruction in air and space fundamentals, drill and ceremonies, physical education, health, global studies and character education. The primary Aerospace Science study area in 2016-2017 is A Journey into Aviation History. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. The primary study area for Leadership Education in 2016-2017 is Citizenship, Character, and Air Force Tradition. It instills elements of good citizenship, develops informed citizens; strengthens and develops character; develops study habits and time management; and wear of the Air Force uniform. Other topics include drill and ceremonies, health/wellness and military traditions. The Wellness/Physical Fitness portion of the course is an exercise program focused upon individual base line improvements. The goal is to motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education. AFJROTC 1, 2, and 3 is an elective credit that can be used to waive the P.E. requirement. Group activities include community service projects, military installation visits, Military Ball, Field Day, Awards Night and individual/team physical training activities. Additional activities may include Color Guard, Drill Team, Awareness Presentation Team, Model Rocket Team, Radio-Controlled Aircraft Team, PT Team and Academic Team

## **Aerospace Science 2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6842	JROTC 2	1			03160200	High Sch	No	2

**Prerequisite:** Approval – AFJROTC Instructor

See Aerospace Science 1

## **Aerospace Science 3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6843	JROTC 3	1			03160300	High Sch	No	2

**Prerequisite:** Approval – AFJROTC Instructor

See Aerospace Science 1

# Willis High School Course Catalog for 2016-2017

**Department: AFJROTC**

**Program: AIR FORCE J.R.O.T.C.**

## Aerospace Science 4

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6844	JROTC 4	1			03160400	High Sch	No	2

**Prerequisite:** Approval – AFJROTC Instructor, JROTC 1,2,& 3

A course designed for fourth and select third year cadets to lead/manage cadet corps activities. The cadets will lead the corps using an organizational structure similar to an active-duty Air Force Group. The Aerospace Science course, Management of the Cadet Corps, consists of hands-on experience that affords cadets the opportunity to put the theories of previous leadership courses into practice. The cadets under the supervision of the Senior Aerospace Science Instructor and the Aerospace Science Instructor will do all the planning, organizing, coordinating, directing, controlling, and decision-making. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills. The Leadership Education course, Principles of Management, is a course that provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. The Wellness/Physical Fitness portion is an exercise program focused upon individual base line improvements. The goal is to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education. AFJROTC 4 is an elective credit that can be used to waive the P.E. requirement. Group activities include community service projects, military installation visits, Military Ball, Field Day, Awards Night and individual/team physical training activities. Additional activities may include Color Guard, Drill Team, Awareness Presentation Team, Model Rocket Team, Radio-Controlled Aircraft Team, PT Team and Academic Team.

## AFJROTC 2H, 3H, 4H Staff Management Honors

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6845	STF MANGMT HNRS	1			85000JRS	High Sch	No	2

**Prerequisite:** Approval – AFJROTC Instructor, enrolled in JROTC 1/2/3 or 4, completed JROTC 1 (required) and AFJROTC 2 (preferred). Minimum unweighted GPA of 3.0 in previous JROTC courses and minimum overall weighted GPA of 3.5.

In addition to the regular AFJROTC coursework for their appropriate cadet year, honors cadets will complete an honors project. The project can be a research project (documented paper, etc.) or a physical project (science project, working model, etc.) of a personal or professional interest connected to the military or AFJROTC and approved by the Senior Aerospace Science Instructor.

## AFJROTC Cadet Leadership Course

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6846	JROTC LAB ACT	0.5			85000RTC	High Sch	No	2

**Prerequisite:** Approval – AFJROTC Instructor

Special Summer Course that earns local high school credit. Cadet Leadership Course is a one-week long AFJROTC summer camp held on a university campus designed to teach responsibility, improve self-confidence, build self-discipline, develop leadership skills and strengthen character while using a strict, disciplined Air Force training format. Subjects taught are leadership, drill and ceremonies, physical training, character education, team building and attitude. Can be taken for a maximum total of one (1) credit.

# Willis High School Course Catalog for 2016-2017

**Department: Communication**

**Program: Journalism**

## Independent Study in Journalism

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6653	IND ST JOURNAL1	1			03231000	High Sch	No	2

**Prerequisite:** None

## Independent Study in Journalism Year 2

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6654	IND ST JOURNAL2	1			03231011	High Sch	No	2

**Prerequisite:** Independent Study in Journalism

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

## Journalism

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6652	JOURNALISM	1			03230100	High Sch	Yes	2

**Prerequisite:** PAP English 1 or 2

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

## Journalism: Newspaper I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6661	JOUR-NEWS1 ADV	1			03230140	High Sch	No	2

**Prerequisite:** Journalism/Application

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.

# Willis High School Course Catalog for 2016-2017

**Department: Communication**

**Program: Journalism**

## **Journalism: Newspaper II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6662	JOUR-NEWS2 ADV	1			03230150	High Sch	No	2

**Prerequisite:** Journalism/Application

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.

## **Journalism: Newspaper III**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6663	JOUR-NEWS3 ADV	1			03230160	High Sch	No	2

**Prerequisite:** Journalism/Application

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.

## **Journalism: Yearbook I**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6671	JOUR-YBK 1 ADV	1			03230110	High Sch	No	2

**Prerequisite:** Journalism/Application

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.

# Willis High School Course Catalog for 2016-2017

**Department: Communication**

**Program: Journalism**

## **Journalism: Yearbook II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6672	JOUR-YBK 2 ADV	1			03230120	High Sch	No	2

**Prerequisite:** Journalism/Application

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.

## **Media Literacy**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6651	MEDIA LIT JOURN	1			03241401	High Sch	No	2

**Prerequisite:** None

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.

## **Photojournalism**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6673	PHOTOJOURNALISM	1			03230800	High Sch	No	2

**Prerequisite:**

Students enrolled in Photojournalism communicate in a variety of forms for a variety of audiences and purposes. High school students are expected to plan, interpret, and critique visual representation, carefully examining their product for publication. Students will become analytical consumers of media and technology to enhance their communication skills. High school students will study the laws and ethical consideration that impact photography. Published photos of professional photojournalist, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students enrolled in this course will refine and enhance their journalistic skills and plan, prepare, and produce photographs for a journalist publication, whether print, digital, or online media.

# Willis High School Course Catalog for 2016-2017

**Department: Communication**

**Program: Speech**

## Communication Applications

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6610	COMMUN APP	0.5			03241400	High Sch	No	2

**Prerequisite:** None

Communication Applications is a course in oral communication. It involves researching, writing, and presenting speeches. Other communication skills such as listening, interviewing, and group discussion will be presented.

## Debate I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6613	DEBATE	1			03240600	High Sch	No	2

**Prerequisite:** None

This course is designed for the serious speech student interested in competition. The class stresses the principles and practices of Argument and Debate. Students construct arguments and present arguments in both public speaking and debate formats. An emphasis is placed on the discussion of current events that affect the life of the student both now and in the future.

## Debate II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6614	DEBATE 2	1			03240700	High Sch	No	2

**Prerequisite:** Debate 1

This course emphasizes the development of critical thinking skills and the development of proficiency in the generation, construction, and presentation of effective arguments. Debate 2 is an expansion and continuation of Debate 1. Students enrolled in this course are required to attend speech tournaments and participate in competitive debates.

## Public Speaking I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6611	PUBLIC SPEAKNG1	1			03240900	High Sch	No	2

**Prerequisite:** None

This course stresses principles and practices of public speaking. There is some consideration of contemporary communication and historical speeches as models for improving the student's skills.



# Willis High School Course Catalog for 2016-2017

**Department: Communication**

**Program: Speech**

## **Public Speaking II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6612	PUBLIC SPEAKNG2	1			03241000	High Sch	No	2

**Prerequisite:** Public Speaking I

This course expands and continues the lessons learned in Public Speaking I. The goals of this course are to enhance the student's ability to recognize, describe and discuss the process of human communication and to develop skill in sending and receiving messages.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Agriculture, Food and Natural Resources

## Agricultural Facilities Design and Fabrication

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7013	AG FACIL-FAB	2	2		13002300	High Sch	No	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)

## Agricultural Math

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7010	MATHAFNR	1	1		13001000	High Sch	Yes	2

**Prerequisite:** Placed by Counselor

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding and skills regarding career opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

## Agricultural Mechanics and Metal Technologies

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7011	AG MECH TECH	1	1		13002200	High Sch	No	2

**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)

## Agricultural Power Systems

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7012	AG POWER SYS	2	2		13002400	High Sch	No	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)

## Animal Science - Advanced

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7016	ANIMAL SCI ADV	1	1		13000700	High Sch	Yes	2

**Prerequisite:** AFNR Pathway / 12th grade only

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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Agriculture, Food and Natural Resources

## Equine Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7014	EQUINE SCIENCE	1	1		13000500	High Sch	No	2

**Prerequisite:** Principles of AFNR / 10th -12th grade

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.

## Horticulture Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7022	HORT SCIENCE	1	1		13002000	High Sch	No	2

**Prerequisite:** Principles of AFNR / 10th -12th grade

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.

## Practicum in Agriculture, Food, and Natural Resources

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7027	PRAC AG-FOOD-NR	2	2		13002500	High Sch	No	2

**Prerequisite:** Application; 12th grade only; Application; 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.

## Principles and Elements of Floral Design

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7023	PRIN FLORAL DSG	1	1		13001800	High Sch	No	2

**Prerequisite:** Principles of AFNR / 10th -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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Agriculture, Food and Natural Resources

## Principles of Agriculture, Food, and Natural Resources

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7009	PRIN AG/FOOD/NR	1	1		13000200	High Sch	No	2

**Prerequisite:** Must be in grades 9 -12

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

## Range Ecology and Management

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7020	RANGE ECO/MNGMT	1	1		13001600	High Sch	No	2

**Prerequisite:** Principles of AFNR / 10th -12th grade

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

## Small Animal Management

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7015	SM ANIMAL MANGM	1	1		13000400	High Sch	No	2

**Prerequisite:** Principles of AFNR / 10th -12th grade

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.

## Veterinary Medical Applications

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7017	VET APPS	1	1		13000600	High Sch	No	2

**Prerequisite:** Principles of AFNR 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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Agriculture, Food and Natural Resources

## **Wildlife, Fisheries and Ecology Management**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7018	WILDLIFE MNGMNT	1	1		13001500	High Sch	No	2

**Prerequisite:** Principles of AFNR / 10th -12th grade

This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. Hunter's Safety Education will be taught. (\$15 fee for certification)

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Architecture and Construction

## Construction Technology

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7032	CONST TECH	2	2		13005100	High Sch	No	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.

## Construction Technology - Advanced

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7033	CONST TECH ADV	2	2		13005200	High Sch	No	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.

## HVAC and Refrigeration Technology

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7037	HVAC REFRIG TEC	2	2		13005800	High Sch	No	2

**Prerequisite:** None

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology, students gain knowledge and skills specific to those needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance technician or supervisor or prepare for a postsecondary degree. Students acquire knowledge and skills in safety, principles of HVAC theory, tools, codes, and installation of HVAC and refrigeration equipment.

## Interior Design

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7035	INTERIOR DESIGN	1	1		13004300	High Sch	No	2

**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 well being of the occupant. Application of the interior design process will be carried out through practical projects.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Architecture and Construction

## **Interior Design - Advanced**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7036	INTERIOR DS ADV	1	1		13004400	High Sch	No	2

**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.

## **Practicum in Construction Management**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7034	PRAC CONST/MAN	2	2		13006200	High Sch	No	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.

## **Principles of Architecture and Construction**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7031	PRIN ARCH/CONST	1	1		13004200	High Sch	No	2

**Prerequisite:** None

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

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Arts, A/V Technology, and Communications

## **Audio Video Production - Advanced (2 Hour)**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7006	A/V PROD ADV	2	2		13008600	High Sch	No	2

**Prerequisite:** A/V Production; approved Application and; after school activity attendance required. Must be in grade 12.

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.

## **Audio Video Production - Advanced (3 Hour)**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7024	A/V PROD 3H ADV	3	3		13008600	High Sch	No	2

**Prerequisite:**

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 news broadcast.

## **Audio Video Production (1 Hour)**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7005	A/V PRODUCTION	1	1		13008500	High Sch	No	2

**Prerequisite:** Principles of Arts, A/V Technology and Communications or Digital and Interactive Media; approved application and; after school activity attendance required. Must be in grade 11 or 12.

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.

## **Audio Video Production (2 Hour)**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7025	A/V PROD 2H	2	2		13008500	High Sch	No	2

**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 the focus of pre-production, production and post production audio and video activities. Students will produce a daily school new broadcast.



# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Arts, A/V Technology, and Communications

## **Commercial Photography**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7007	COMMER PHOTO	1	1		13009100	High Sch	No	2

**Prerequisite:** Materials Required: DSLR (Digital Single Lens Reflex) Camera with manual and automatic settings, in regards to aperture, shutter speed, ISO, and; approved application. Must be in grades 10 - 12.

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

## **Commercial Photography - Advanced**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7008	COMM PHOTO ADV	2	2		13009200	High Sch	No	2

**Prerequisite:** Materials Required: DSLR (Digital Single Lens Reflex) Camera with manual and automatic settings, in regards to aperture, shutter speed, ISO, and; approved application. Must be in grade 11 or 12.

Careers in commercial photography 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 advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

## **Fashion Design**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7003	FASHION DESIGN	1	1		13009300	High Sch	No	2

**Prerequisite:** Principles of Arts, Audio/Video Technology and Communications, or Principles of Human Services

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.

## **Fashion Design - Advanced**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7004	FASHION DSG ADV	2	2		13009400	High Sch	No	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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Arts, A/V Technology, and Communications

## None

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7001	RADIO BRDCAST 1	1	1		N1300991	High Sch	No	2

**Prerequisite:** None

Students will learn the theory and history of radio production as well the production processes involved in commercial production, scripting, news writing and reporting, audio editing, remote production, and radio programming. Radio Broadcasting II is project based and involves more skill development, the implementation software, and team building.

## Principles of Arts, Audio Video Technology, and Communications

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7002	PRIN ARTS A/V	0.5	1		13008200	High Sch	No	2

**Prerequisite:** Must in grades 9 - 11.

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.

## Printing and Imaging Technology

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7000	PRT IMG TECH	1	1		13009600	High Sch	No	2

**Prerequisite:** BIM & DIM, Approved application

This course introduces students to what has traditionally been called the printing industry. Students gain an overview of digital file preparation, image capture, color theory, digital file output, press operations, and bindery operations. Students learn to practice workplace safety and develop skills in measurement, mathematical problem solving, interpersonal communication, and the job application process.

## Radio Broadcasting II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6999	RADIO BRDCAST 2	1	1		N1300992	High Sch	No	2

**Prerequisite:** Radio Broadcasting I

Students will learn the theory and history of radio production processes involved in commercial production, scripting, news writing and reporting, audio editing, remote production, and radio programming. Radio Broadcasting II is project based and involves more skill development the implementation software and team building.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Arts, A/V Technology, and Communications

## **Video Game Design**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7074	VIDEO GAME DSN	0.5	1		N1300993	High Sch	No	2

**Prerequisite:** Business Information Management I

Students design, program, and create a functional video game.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Business Management and Administration

## **BUSINESS ENGLISH**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7080	BUSINESS ENG	1	1		13011600	High Sch	Yes	2

**Prerequisite:** Touch Systems Data Entry

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address application of emerging technologies. Students enhance reading, writing, computing, communication, and basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts for business reproduction.

## **Business Information Management I**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7082	BUS INFO MGT 1	1	1		13011400	High Sch	No	2

**Prerequisite:** None

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

## **Business Information Management II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7085	BUS INFO MGT 2	1	1		13011500	High Sch	No	2

**Prerequisite:** 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.

## **Business Law**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7083	BUSINESS LAW	0.5	1		13011700	High Sch	No	2

**Prerequisite:** Must be in grades 11 or 12

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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Business Management and Administration

## Business Management

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7086	BUSINESS MGMT	1	1		13012100	High Sch	No	2

**Prerequisite:** Must be in grades 11 or 12

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.

## Principles of Business, Marketing, and Finance

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7081	PRIN BUS MKT	1	1		13011200	High Sch	No	2

**Prerequisite:** None

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.

## Touch Systems Data Entry

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7079	TOUCH SYS DATA	0.5	1		13011300	High Sch	No	2

**Prerequisite:**

Students apply technical skills to address business application of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply to touch data system entry for production of business documents.

## Virtual Business

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7084	VIRTUAL BUS	0.5	1		13012000	High Sch	No	2

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

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Cooperative Program

## Career Preparation I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7150	CAREER PREP 1	3	3		12701300	High Sch	No	2

**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.

## Career Preparation II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7151	CAREER PREP 2	3	3		12701400	High Sch	No	2

**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.

## WORK PERIOD 7TH

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7473	WORK PERIOD 7TH	1			85000WP7	High Sch	No	2

**Prerequisite:** Administration Approval

Work study through Career Prep I or II.

## WORK PERIOD 8TH

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7474	WORK PERIOD 8TH	1			85000WP8	High Sch	No	2

**Prerequisite:** Administration Approval

Work study through Career Prep I or II.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Education and Training

## **Human Growth and Development**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7133	HUMAN GROW DEV	1	1		13014300	High Sch	No	2

**Prerequisite:** Principles of Education and Training or Principles of Human Services or Principles of Health Science

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

## **Instructional Practices in Education and Training**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7132	INST PRAC-ED/TR	2	2		13014400	High Sch	No	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.

## **Principles of Education and Training**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7131	PRIN ED & TRAIN	1	1		13014200	High Sch	No	2

**Prerequisite:** None

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.

# Willis High School Course Catalog for 2016-2017

**Department: CTE**

**Program: Finance**

## **Accounting I**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7092	ACCOUNTING 1	1	1		13016600	High Sch	No	2

**Prerequisite:** None

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.

## **Accounting II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7093	ACCOUNTING 2	1	1		13016700	High Sch	No	2

**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.

## **Money Matters**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7096	MONEY MATTERS	1	1		13016200	High Sch	No	2

**Prerequisite:**

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Student will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

## **Statistics and Risk Management**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7094	STAT RISK MGNT	1	1		13016900	High Sch	Yes	2

**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.



# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Health Science

## Anatomy and Physiology

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7106	ANTMY-PHYSIOLGY	1	1		13020600	High Sch	Yes	2

**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.

## Certified Nurse Asst. - Phlebotomy

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7105	CNA-PHLEBOTOMY	3	3		13020500	High Sch	No	2

**Prerequisite:** 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.

## Health Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7102	HEALTH SCIENCE	2	2		13020400	High Sch	No	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.

## Pharmacy Technician

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7103	PHARMACY TECH	2	2		13020510	High Sch	No	2

**Prerequisite:** 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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Health Science

## Practicum in Health Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7104	PRAC HEALTH SCI	3	3		13020500	High Sch	No	2

**Prerequisite:** Health Science

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.

## Principles of Health Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7101	PRIN HEALTH SCI	1	1		13020200	High Sch	No	2

**Prerequisite:** None

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

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Hospitality and Tourism

## **Culinary Arts**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7051	CULINARY ARTS	1	1		13022600	High Sch	No	2

**Prerequisite:** Principles of Human Services and Nutrition and Wellness

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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Human Services

## Child Development

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7112	CHILD DEVELOP	1	1		13024700	High Sch	No	2

**Prerequisite:** Principles of Human Services or Principles of Health Science

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.

## Child Guidance

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7113	CHILD GUIDANCE	1	1		13024800	High Sch	No	2

**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.

## Nutrition and Wellness

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7114	NUTRITION-WELL	1	1		13024500	High Sch	No	2

**Prerequisite:** Principles of Human Services or Principles of Health Science

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.

## Principles of Human Services

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7111	PRIN HUMAN SERV	1	1		13024200	High Sch	No	2

**Prerequisite:** None

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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Information Technology

## Computer Maintenance

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7042	COMP MAINT	1	1		13027300	High Sch	No	2

**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.

## Computer Programming

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7049	COMP PROGRAMING	1	1		13027600	High Sch	No	2

**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.

## Computer Technician

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7047	COMP TECH	2	2		13027500	High Sch	No	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.

## Digital and Interactive Media

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7046	DIG-INTERACT ME	1	1		13027800	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Information Technology

## Internetworking Technologies I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7043	INTRNTWKG T 1	2	2		N1302803	High Sch	No	2

**Prerequisite:** None

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.

## Internetworking Technologies II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7044	INTRNTWKG T 2	2	2		N1302804	High Sch	No	2

**Prerequisite:** InternetworkingTechnologies 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.

## Principles of Information Technology

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7041	PRIN INFO TECH	0.5	1		13027200	High Sch	No	2

**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.

## Web Technologies

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7045	WEB TECH	1	1		13027900	High Sch	No	2

**Prerequisite:** Principles of InformationTechnology

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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Law, Public Safety Corrections and Security

## Forensic Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7121	FORENSIC SCI	1	1		13029500	High Sch	Yes	2

**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.

## Law Enforcement I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7122	LAW ENFORCE 1	1	1		13029300	High Sch	No	2

**Prerequisite:** Principles of Law, Public Safety, Corrections, and Security

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

## Law Enforcement II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7123	LAW ENFORCE 2	1	1		13029400	High Sch	No	2

**Prerequisite:** Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

## Practicum in Law, Public Safety, Corrections, and Security

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7124	PRAC LAW PCS	2	2		13030100	High Sch	No	2

**Prerequisite:** Principles of Law, Public Safety, Corrections, and Security, Law Enforcement I, and Law Enforcement II

The practicum course is a capstone experience for students participating in a coherent sequence of career and technical education courses in the Law, Public Safety, Corrections, and Security cluster. The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Law, Public Safety Corrections and Security

## **Principles of Law, Public Safety, Corrections, and Security**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7120	PRIN LAW PBSAFE	1	1		13029200	High Sch	No	2

**Prerequisite:** None

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.



# Willis High School Course Catalog for 2016-2017

**Department: CTE**

**Program: Manufacturing**

## **Aircraft Technology**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7142	AIRCRAFT TECH	2	2		13039400	High Sch	No	2

**Prerequisite:**

This course is designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft.

## **Aircraft Technology -Advanced**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7143	AIRCRAFT TE ADV	3	3		13039500	High Sch	No	2

**Prerequisite:**

This course is designed to apply the theory of operation, repair, and maintenance of aircraft airframe, power plant, and avionics systems. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft as governed by federal aviation regulations.

## **Automotive Technology**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7141	AUTO TECH	3	3	D	13039700	High Sch	No	2

**Prerequisite:**

Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices.

## **Flexible Manufacturing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7064	FLEXIBLE MANUF	2	2		13032700	High Sch	No	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.

# Willis High School Course Catalog for 2016-2017

**Department: CTE**

**Program: Manufacturing**

## **Flexible Manufacturing - Advanced**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7067	MANUFAC ADV-LS	3	3		13032800	High Sch	No	2

**Prerequisite:** None

Advanced Flexible Manufacturing builds on knowledge and skills developed in Flexible Manufacturing. Students will develop advanced concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

## **Practicum in Manufacturing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7065	PRAC MANUF LS	3	3		13033000	High Sch	No	2

**Prerequisite:** Approved Application

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

## **Principles of Manufacturing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7061	PRIN MANUFAC	1	1		13032200	High Sch	No	2

**Prerequisite:** None

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.

## **Welding**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7062	WELDING	2	2		13032300	High Sch	No	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.

## **Welding - Advanced**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7063	WELDING ADV	2	2		13032400	High Sch	No	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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Marketing

## Advertising and Sales Promotion

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7088	AD SALES PROMO	1	1		13034200	High Sch	No	2

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

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.

## Entrepreneurship

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7087	ENTREPRENEUR	1	1		13034400	High Sch	No	2

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

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.

## Marketing Dynamics

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7089	MKT DYNAMICS	2	2		13034700	High Sch	No	2

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

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.

## Practicum in Marketing Dynamics

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7091	PRAC MKT DYNAM	3	3		13034800	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Marketing

## **Sports and Entertainment Marketing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7090	SP/ENTERTN MKT	1	1		13034600	High Sch	No	2

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

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.

# Willis High School Course Catalog for 2016-2017

**Department:** CTE

**Program:** Science, Technology, Engineering and Mathematics

## Engineering Design and Presentation

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7071	ENGINEER DESIGN	1	1		13036500	High Sch	No	2

**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.

## Engineering Design and Presentation - Advanced

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7070	ENG DESIGN ADV	2	2		13036600	High Sch	No	2

**Prerequisite:** Engineering Design and Presentation

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process.

## Principles of Technology

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7072	PRIN OF TECH	1	1		13037100	High Sch	Yes	2

**Prerequisite:** Algebra 1 or Geometry - 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.

## Robotics and Automation

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7073	ROBOTICS	1	1		13037000	High Sch	No	2

**Prerequisite:** Application

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.

# Willis High School Course Catalog for 2016-2017

**Department: Electives**

**Program: Administrative Approval**

## **Credit Recovery**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7470	CREDIT RECOVERY	1			85000CR1	High Sch	No	2

**Prerequisite:** Administration Approval

Students enrolled in Credit Recovery are working at their own pace to gain credits for courses in which they previously failed. Classes are facilitated by a certified teacher as the student works through an on-line program. Students are expected to take notes, write papers, and create projects in order to gain credit.

## **EARLY RELEASE 7th**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7462	EARLY RELEASE 7	0			85000ER7	High Sch	No	2

**Prerequisite:** Administration Approval

## **EARLY RELEASE 8th**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7463	EARLY RELEASE 8	0			85000ER8	High Sch	No	2

**Prerequisite:** Administration Approval

## **LATE ARRIVAL 1st**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7467	LATE ARRIVAL	0			85000LA1	High Sch	No	2

**Prerequisite:** Administration Approval

## **Office Aide**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6684	OFFICE AIDE	1			85000AID	High Sch	No	2

**Prerequisite:** Application Process

This course is offered for Local Credit and 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.

# Willis High School Course Catalog for 2016-2017

**Department: Electives**

**Program: General**

## Driver Education

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6680	DRIVER ED	0.5			03000100	High Sch	No	2

**Prerequisite:** 15 years old 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 2013-2014 school year the fee was \$375, but that is subject to change each year.

## GT Independent Research

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6620	GT IND RESEARCH	1			85000GTR	High Sch	No	1

**Prerequisite:** G/T Application

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.

## Health Education

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6609	HEALTH	0.5			03810100	High Sch	No	2

**Prerequisite:** None

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.

## Hebrew Scriptures and New Testament

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6656	HEBREW & NT	1			03221850	High Sch	No	2

**Prerequisite:** None

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.

# Willis High School Course Catalog for 2016-2017

**Department: Electives**

**Program: General**

## **Teen Leadership**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6681	TEEN LEADER	0.5			N1290012	High Sch	No	2

**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.



# Willis High School Course Catalog for 2016-2017

**Department:** English

**Program:** ESL

## English I For Speakers Of Other Languages

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6115	ESL 1	1			03200600	High Sch	Yes	2

**Prerequisite:** LPAC

This course can serve as English 1 substitutes or as reading substitutes for speakers of other languages.

## Reading 1 For Speakers Of Other Languages

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6116	ESL READ 1	1			03270700	High Sch	No	2

**Prerequisite:** LPAC

This course can serve as a reading supplement for speakers of other languages taking ESL 1.

## Reading 2 For Speakers Of Other Languages

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6126	ESL READ 2	1			03270800	High Sch	No	2

**Prerequisite:** LPAC approval

This course can serve as a reading supplement for speakers of other languages taking Eng 1 or Eng 2.

## Reading 3 For Speakers Of Other Languages

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6127	ESL READ 3	1			03270900	High Sch	No	2

**Prerequisite:** LPAC approval

This course can serve as a reading supplement for speakers of other languages taking Eng 3.

# Willis High School Course Catalog for 2016-2017

**Department: English**

**Program: General**

## **Contemporary Media**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6155	CONTEMP MEDIA	1			03241401	High Sch	No	2

**Prerequisite:**

Students enrolled in Contemporary Media will understand how media influences tastes, behavior, purchasing and voting decisions. Students who are media literate understand television, radio, film, and other visual images and auditory messages.

## **Creative Writing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6650	CR/IMAG WRITE	1			03221200	High Sch	Yes	2

**Prerequisite:** None

The study of creative writing allows high school students to earn one-half to one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

## **English I**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6111	ENGLISH 1	1			03220100	High Sch	Yes	2

**Prerequisite:** None

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

## **English I - PreAP**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6112	ENGLISH 1 PAP	1		Q	03220100	High Sch	Yes	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.

# Willis High School Course Catalog for 2016-2017

**Department: English**

**Program: General**

## English II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6121	ENGLISH 2	1			03220200	High Sch	Yes	2

**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.

## English II - PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6122	ENGLISH 2 PAP	1		Q	03220200	High Sch	Yes	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.

## English III

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6131	ENGLISH 3	1			03220300	High Sch	Yes	2

**Prerequisite:** None

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.

## English III - DC

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6133	ENGLISH 3 DC	1		D	03220300	High Sch	Yes	1

**Prerequisite:** English 2 and qualifying placement scores

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 rewarded. Textbooks must be purchased by the student each semester.

# Willis High School Course Catalog for 2016-2017

**Department: English**

**Program: General**

## **English III - Language And Composition-AP**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6132	ENGLISH 3 AP	1		P	A3220100	High Sch	Yes	1

**Prerequisite:** English 2 and AP entry requirements

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

## **English IV**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6141	ENGLISH 4	1			03220400	High Sch	Yes	2

**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.

## **English IV - DC**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6143	ENGLISH 4 DC	1		D	03220400	High Sch	Yes	1

**Prerequisite:** English 3, ENGL 1301, and ENGL 1302

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.

## **English IV - Literature And Composition-AP**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6142	ENGLISH 4 AP	1		P	A3220200	High Sch	Yes	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.

# Willis High School Course Catalog for 2016-2017

**Department: English**

**Program: General**

## **Independent Study In English**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6153	IND STUDY ENG	1			03221800	High Sch	No	2

**Prerequisite:** None

Students enrolled in Independent Study in English will focus on a specialized area of study such as the work of a particular author or genre. Students will read and write in multiple forms for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written compositions on a regular basis and carefully examine their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English.

## **Reading 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6160	READING 1	1			03270700	High Sch	No	2

**Prerequisite:**

Reading 1 offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

## **Research/Technical Writing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6152	RESEARCH\TECH W	1			03221100	High Sch	Yes	2

**Prerequisite:** None

The study of technical writing allows high school students to earn one-half to one credit while developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Art**

## **Art 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6700	ART 1	1			03500100	High Sch	No	2

**Prerequisite:** None

This introductory course lays the basic foundation for learning art processes, procedures, theories, history, and art judgment. Students will create two-dimensional and three-dimensional works of art from a wide range of media.

## **Art 2 Ceramics**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6704	ART 2 CERAMICS	1			03500900	High Sch	No	2

**Prerequisite:** Art 1

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.

## **Art 2 Drawing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6701	ART 2-DRAWING	1			03500500	High Sch	No	2

**Prerequisite:** Art 1

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.

## **Art 2 Painting**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6702	ART 2-PAINTING	1			03500600	High Sch	No	2

**Prerequisite:** Art 1

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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Art**

## **Art 2 Sculpture**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6703	ART 2-SCULPTURE	1			03501000	High Sch	No	2

**Prerequisite:** Art 1

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.

## **Art 3 Ceramics**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6708	ART 3-CERAMICS	1			03501800	High Sch	No	2

**Prerequisite:** Art 2

Four basic strands—perception, creative expression/performance, historical and cultural heritage, and critical evaluation—provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks. They express their thoughts and ideas creativity, while challenging their imagination, fostering reflective thinking, and developing disciplined effort and problem-solving skills.

## **Art 3 Drawing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6705	ART 3-DRAWING	1			03501300	High Sch	No	2

**Prerequisite:** Art 2

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.

## **Art 3 Painting**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6706	ART 3-PAINTING	1			03501400	High Sch	No	2

**Prerequisite:** Art 2

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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Art**

## **Art 3 Sculpture**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6707	ART 3-SCULPTURE	1			03501900	High Sch	No	2

**Prerequisite:** Art 2

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.

## **Art 4 Ceramics**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6713	ART 4-CERAMICS	1			03502700	High Sch	No	2

**Prerequisite:** Art 3

Four basic strands—perception, creative expression/performance, historical and cultural heritage, and critical evaluation—provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks. They express their thoughts and ideas creativity, while challenging their imagination, fostering reflective thinking, and developing disciplined effort and problem-solving skills.

## **Art 4 Drawing**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6709	ART 4-DRAWING	1			03502300	High Sch	No	2

**Prerequisite:** Art 3

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

## **Art 4 Painting**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6710	ART 4-PAINTING	1			03502400	High Sch	No	2

**Prerequisite:** Art 3

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



# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Art**

## **Art 4 Sculpture**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6711	ART 4-SCULPTURE	1			03502800	High Sch	No	2

**Prerequisite:** Art 3

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

## **ART I (Middle School Course for HS-Credit)**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
4334	ART 1 HS	1		J	03500100	High Sch	No	2

**Prerequisite:** None

Art I will cover four basic strands--perception, creative expression/performance, historical and cultural heritage, and critical evaluation--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks. They express their thoughts and ideas creatively, while challenging their imagination, fostering reflective thinking, and developing disciplined effort and problem-solving skills. There will be a \$20.00 fee to participate in this class. Art I students will earn 1 High School credit.

## **Art/Drawing AP**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6712	ART AP	1		P	A3500300	High Sch	No	1

**Prerequisite:** Application

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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Choir**

## JV Choir 1

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6801	JV CHOIR 1	1			03150900	High Sch	No	2

**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.

## JV Choir 2

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6802	JV CHOIR 2	1			03151000	High Sch	No	2

**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.

## JV Choir 3

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6803	JV CHOIR 3	1			03151100	High Sch	No	2

**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.

## JV Choir 4

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6804	JV CHOIR 4	1			03151200	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Choir**

## **Varsity Choir 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6811	V CHOIR 1	1			03150900	High Sch	No	2

**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.

## **Varsity Choir 2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6812	V CHOIR 2	1			03151000	High Sch	No	2

**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.

## **Varsity Choir 3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6813	V CHOIR 3	1			03151100	High Sch	No	2

**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.

## **Varsity Choir 4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6814	V CHOIR 4	1			03151200	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Dance**

## Dance Composition I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7531	DANCE COMPOS1	1			03832500	High Sch	No	2

**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.

## Dance Composition II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7532	DANCE COMPOS2	1			03832600	High Sch	No	2

**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.

## Dance Composition III

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7533	DANCE COMPOS3	1			03832700	High Sch	No	2

**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.

## Dance I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6835	DANCE 1	1			03830100	High Sch	No	2

**Prerequisite:** None

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. This course also fulfills the PE requirement.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Dance**

## Dance II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6836	DANCE 2	1			03830200	High Sch	No	2

**Prerequisite:** None

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. This course also fulfills the PE requirement.

## Dance III

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6837	DANCE 3	1			03830300	High Sch	No	2

**Prerequisite:** None

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. This course also fulfills the PE requirement.

## Dance IV

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6838	DANCE 4	1			03830400	High Sch	No	2

**Prerequisite:** None

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. This course also fulfills the PE requirement.

## Drill Team 1

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6831	DRILL TEAM 1	1			03830100	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Dance**

## **Drill Team 2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6832	DRILL TEAM 2	1			03830200	High Sch	No	2

**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.

## **Drill Team 3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6833	DRILL TEAM 3	1			03830300	High Sch	No	2

**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.

## **Drill Team 4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6834	DRILL TEAM 4	1			03830400	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Music**

## Applied Music I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6771	APPLIED MUSIC 1	1			03152500	High Sch	No	2

**Prerequisite:** In Perf. Ensemble; Inst. Approval

\*Applied Music 1 must be taken before Applied Music. 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.

## Applied Music II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6772	APPLIED MUSIC 2	1			03152600	High Sch	No	2

**Prerequisite:** In Perf. Ensemble; 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.

## Concert Band 1

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6741	CONCERT BAND 1	1			03150100	High Sch	No	2

**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.

## Concert Band 2

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6742	CONCERT BAND 2	1			03150200	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Music**

## **Concert Band 3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6743	CONCERT BAND 3	1			03150300	High Sch	No	2

**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.

## **Concert Band 4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6744	CONCERT BAND 4	1			03150400	High Sch	No	2

**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.

## **Guitar 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6820	GUITAR 1	1			03154600	High Sch	No	2

**Prerequisite:** None

\*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.

## **Guitar 2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6821	GUITAR 2	1			03154700	High Sch	No	2

**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.



# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Music**

## **Guitar 3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6823	GUITAR 3	1			03154800	High Sch	No	2

**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.

## **Guitar 4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6824	GUITAR 4	1			03154900	High Sch	No	2

**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.

## **Jazz Band 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6761	JAZZ BAND 1	1			03151300	High Sch	No	2

**Prerequisite:** Instructor 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.

## **Jazz Band 2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6762	JAZZ BAND 2	1			03151400	High Sch	No	2

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Music**

## Jazz Band 3

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6763	JAZZ BAND 3	1			03151500	High Sch	No	2

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

## Jazz Band 4

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6764	JAZZ BAND 4	1			03151600	High Sch	No	2

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

## Jazz Band Music Theory

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6765	JZ BND MU THEOR	1			03152700	High Sch	No	2

**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.

## Music Appreciation

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6791	MUSIC APPREC	1			03155600	High Sch	No	2

**Prerequisite:** None

This course is an overview 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, music literacy, various genres of music and the attendance of concern in our community.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Music**

## **Music Appreciation DC**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6792	MUSIC APPR DC	1			03155600	High Sch	No	1

**Prerequisite:** Instructor approval; qualifying placement scores

This course is an overview 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, music literacy, various genres of music and the attendance of concern in our community.

## **Music History**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6822	MUSIC HISTORY	1			03152900	High Sch	No	2

**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.

## **Music Theory 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6781	MUSIC THEORY 1	1			03155400	High Sch	No	2

**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.

## **Music Theory 2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6782	MUSIC THEORY 2	1			03155500	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Music**

## **Symphonic Band 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6751	SYMPHON BAND 1	1			03150100	High Sch	No	2

**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.

## **Symphonic Band 2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6752	SYMPHON BAND 2	1			03150200	High Sch	No	2

**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.

## **Symphonic Band 3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6753	SYMPHON BAND 3	1			03150300	High Sch	No	2

**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.

## **Symphonic Band 4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6754	SYMPHON BAND 4	1			03150400	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Music**

## Wind Ensemble 1

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6731	WIND ENSBL 1	1			03150100	High Sch	No	2

**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.

## Wind Ensemble 2

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6732	WIND ENSBL 2	1			03150200	High Sch	No	2

**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.

## Wind Ensemble 3

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6733	WIND ENSBL 3	1			03150300	High Sch	No	2

**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.

## Wind Ensemble 4

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6734	WIND ENSBL 4	1			03150400	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Theatre Arts**

## **Technical Theatre 1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6728	TECH THEATRE 1	1			03250500	High Sch	No	2

**Prerequisite:**

The fine arts incorporate the study of dance, music, theater, and the visual arts to offer unique experiences and empower students to explore realities, relationships, and ideas. These disciplines engage and motivate all students through active learning,

## **Theatre Arts I**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6721	TH ARTS 1	1			03250100	High Sch	No	2

**Prerequisite:** None

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.

## **Theatre Arts II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6722	TH ARTS 2	1			03250200	High Sch	No	2

**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.

## **Theatre Arts III**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6723	TH ARTS 3	1			03250300	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Fine Arts**

**Program: Theatre Arts**

## **Theatre Arts IV**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6724	TH ARTS 4	1			03250400	High Sch	No	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department: Foreign Language**

**Program: German**

## German 1

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6515	GERMAN 1	1			03420100	High Sch	Yes	2

**Prerequisite:** None

This course introduces the student to German culture through basic reading, writing and listening skills. Development of conversational ability is reinforced by the study of simple grammatical structures.

## German 2

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6525	GERMAN 2	1			03420200	High Sch	Yes	2

**Prerequisite:** German 1

This course expands the concepts learned in German I by developing reading, writing, and listening skills. Emphasis will be placed on culture and grammar with expansion of vocabulary skills.

## German 2 -PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6526	GERMAN 2 PAP	1			03420200	High Sch	Yes	1

**Prerequisite:** German 1/Application

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

## German 3 -PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6535	GERMAN 3 PAP	1		Q	03420300	High Sch	Yes	1

**Prerequisite:** German 2/ Application

Increase vocabulary to enable the student to enhance conversational skills. Mastery of tenses and grammatical cases will be studied along with the introduction of the subjunctive voice. Short stories relating to cultural, popular, and historical literature will be introduced.



# Willis High School Course Catalog for 2016-2017

**Department: Foreign Language**

**Program: German**

## **German 4 -AP**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6545	GERMAN 4 AP	1		P	A3420100	High Sch	Yes	1

**Prerequisite:** German 3/ Application

This advanced placement course is designed for students who are planning to take college level German. It is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development.

## **German Cultural Linguistics**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6516	CULTLING_GR	0.5			03420800	High Sch	No	2

**Prerequisite:**

Courses in cultural and linguistic topics introduce students to the study of other cultures. Students gain the knowledge to understand the historical development, geographical aspects, cultural aspects, and/or linguistic aspects of selected regions or countries by completing one or more of the knowledge and skills for cultural and linguistic topics.

# Willis High School Course Catalog for 2016-2017

**Department: Foreign Language**

**Program: Spanish**

## Spanish 1

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6511	SPANISH 1	1			03440100	High Sch	Yes	2

**Prerequisite:** None

The students in this class will be exposed to basic vocabulary usage for non-native speakers. Emphasis will be preparing students for the ever changing world by giving them skills necessary to communicate in a second language. This course is a prerequisite for Spanish 2 and Spanish 2 PAP.

## Spanish 1 (Middle School Course for HS-Credit)

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
4313	SPANISH 1	1		J	03440100	High Sch	No	2

**Prerequisite:** None

This course is for highly motivated 8th grade students and introduces them to the world of Hispanic culture through basic reading, writing, and listening skills. It includes the acquisition and development of conversational ability reinforced by the study of grammatical structures. The course is for High School credit and therefore will be taught at the same rigor as the 6511 Spanish course.

## Spanish 1&2 For Spanish Speakers

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6513	SPAN 1 - 2 NS	1			03440220	High Sch	Yes	2

**Prerequisite:** Administration Approval

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.

## Spanish 2

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6521	SPANISH 2	1			03440200	High Sch	Yes	2

**Prerequisite:** Spanish 1 or committee approval

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

# Willis High School Course Catalog for 2016-2017

**Department: Foreign Language**

**Program: Spanish**

## Spanish 2-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6522	SPANISH 2 PAP	1		Q	03440200	High Sch	Yes	1

**Prerequisite:** Application

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.

## Spanish 3-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6531	SPANISH 3 PAP	1		Q	03440300	High Sch	Yes	1

**Prerequisite:** Spanish 2/Application

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. Spanish is spoken in the classroom most of the time. This course is a prerequisite to AP Spanish 4 for Non Native Speakers.

## Spanish 3-PreAP For Spanish Speakers

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6532	SPAN 3 PAP N SP	1		Q	03440300	High Sch	Yes	1

**Prerequisite:** Spanish 2/Application

This course is designed for the students that are native Spanish speakers. This course is designed for students whose home language is Spanish. 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.

## Spanish 4-AP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6541	SPANISH 4 AP	1		P	A3440100	High Sch	Yes	1

**Prerequisite:** Spanish 3/Application/AP Req.

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. Spanish is spoken exclusively in the classroom. This course is a prerequisite for AP Spanish 5 Literature.

# Willis High School Course Catalog for 2016-2017

**Department: Foreign Language**

**Program: Spanish**

## **Spanish 4-AP For Spanish Speakers**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6542	SPAN 4 N SP AP	1		P	A3440100	High Sch	Yes	1

**Prerequisite:** Spanish 3/Application/ 85 average in Span 3

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 designed for students whose home language is Spanish. This course is a prerequisite for AP Spanish 5 Literature.

## **Spanish 5-AP**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6551	SPANISH 5 AP	1		P	A3440200	High Sch	Yes	1

**Prerequisite:** Spanish 4/Application/ AP Req

This course is designed for students who have scored a 3 or higher on the Spanish Language AP exam. The course will consist of a survey of Spanish literature. The course will cover poetry and prose texts from the Middle Ages to the beginning of the twentieth century. Students will be expected to prepare for the AP Spanish Literature test in the spring. Student must have scored a 4 or 5 on the Spanish AP test in order to be successful in this course.

## **Spanish Cultural Linguistics**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6512	CULT LING_SP	1			03440800	High Sch	No	2

**Prerequisite:**

Courses in cultural and linguistic topics introduce students to the study of other cultures. Students gain the knowledge to understand the historical development, geographical aspects, cultural aspects, and/or linguistic aspects of selected regions or countries by completing one or more of the knowledge and skills for cultural and linguistic topics.

# Willis High School Course Catalog for 2016-2017

**Department: Mathematics**

**Program:**

## Advanced Quantitative Reasoning

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6241	ADV QUANT REAS	1			03102510	High Sch	Yes	2

**Prerequisite:** Geometry and Algebra 2

Advanced Quantitative Reasoning follows Algebra II and emphasizes statistics and financial applications. AQR prepares students to use a variety of mathematical tools and approaches to model a range of situations and solve problems.

## Algebra I

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6211	ALGEBRA 1	1			03100500	High Sch	Yes	2

**Prerequisite:** None

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.

## Algebra II

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6231	ALGEBRA 2	1			03100600	High Sch	Yes	2

**Prerequisite:** Algebra I

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.

## Algebra II-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6232	ALGEBRA 2 PAP	1		Q	03100600	High Sch	Yes	1

**Prerequisite:** Algebra I & 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.

# Willis High School Course Catalog for 2016-2017

**Department: Mathematics**

**Program:**

## Calculus AB

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6245	CALCULUS AP	1		P	A3100101	High Sch	Yes	1

**Prerequisite:** Precal; AP requirements

This course is 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.

## Calculus DC

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6246	CALCULUS DC	1		D	03102501	High Sch	Yes	1

**Prerequisite:** Precal; qualifying placement scores

This course is 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.

## Geometry

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6221	GEOMETRY	1			03100700	High Sch	Yes	2

**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.

## Geometry-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6222	GEOMETRY PAP	1		Q	03100700	High Sch	Yes	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.

# Willis High School Course Catalog for 2016-2017

**Department: Mathematics**

**Program:**

## Independent Study In Mathematics

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6242	COLLEGE ALG DC	1		D	03102500	High Sch	Yes	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.

## Math Lab

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6260	MATH LAB	1			84100M12	High Sch	No	3

**Prerequisite:** Administrative Approval

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

## Mathematical Models With Applications

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6220	MMWA	1			03102400	High Sch	Yes	2

**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 skills.

## PreCalculus DC

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6244	PRECAL DC	1		D	03101100	High Sch	Yes	1

**Prerequisite:** Algebra 1, Algebra 2, Geometry; qualifying placement scores

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.

# Willis High School Course Catalog for 2016-2017

**Department: Mathematics**

**Program:**

## PreCalculus PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6243	PRECAL PAP	1		Q	03101100	High Sch	Yes	1

**Prerequisite:** Algebra 1, Algebra 2, Geometry; Pre-AP requirements

Pre-calculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems. Students will need to supply their own graphic calculators.

## Statistics-AP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6247	STATISTICS AP	1		P	A3100200	High Sch	Yes	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.



# Willis High School Course Catalog for 2016-2017

**Department: Mathematics**

**Program: Math**

## **Algebra I (Middle School Course for HS-Credit)**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
4722	ALGEBRA	1		J	03100500	High Sch	No	1

**Prerequisite:** Administrative Approval

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. This class is for High School credit.

# Willis High School Course Catalog for 2016-2017

**Department:** PE

**Program:**

## Aerobic Activities

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7502	AEROBIC ACT	1			PES00054	High Sch	No	2

**Prerequisite:** Foundations of Personal Fitness

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.

## Foundations of Personal Fitness

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7500	PERSONAL FIT	1			PES00052	High Sch	No	2

**Prerequisite:** None

The basic purpose of this course is to motivate students to achieve lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the corner stone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program as a way to develop the skills necessary to become fit and achieve some degree of fitness within the course.

## Individual or Team Sports

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7501	IND & TEAM SPOR	1			PES00055	High Sch	No	2

**Prerequisite:** Foundations of Personal Fitness

In individual and team sports, students will be required to actively engage in a wide variety of physical activities that will stimulate both the body and the mind. Students will learn and practice various skills necessary to be successful in different team and individual sports. This course will provide an opportunity for students to experience lifetime sports and activities that will promote the concept of physical fitness for a lifetime. The course will educate students on the basic rules, strategies and knowledge of team and individual sports.

# Willis High School Course Catalog for 2016-2017

**Department: Science**

**Program:**

## Aquatic Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6362	AQUATIC SCIENCE	1			03030000	High Sch	Yes	2

**Prerequisite:** Biology

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.

## Astronomy

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6363	ASTRONOMY	1			03060100	High Sch	Yes	2

**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.

## Biology

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6311	BIOLOGY	1			03010200	High Sch	Yes	2

**Prerequisite:** None

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

## Biology AP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6351	BIOLOGY AP	1		P	A3010200	High Sch	Yes	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.

## Biology DC

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6354	BIOLOGY DC	1	1	D	13037200	High Sch	Yes	1

**Prerequisite:** Chemistry and Alg 2 or concurrent, Qualifying placement scores

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.

# Willis High School Course Catalog for 2016-2017

**Department:** Science

**Program:**

## Biology-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6312	BIOLOGY PAP	1		Q	03010200	High Sch	Yes	1

**Prerequisite:** Pre-AP requirements

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

## Chemistry

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6331	CHEMISTRY	1			03040000	High Sch	Yes	2

**Prerequisite:** Biology

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

## Chemistry AP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6352	CHEMISTRY AP	1		P	A3040000	High Sch	Yes	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.

## Chemistry-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6332	CHEMISTRY PAP	1		Q	03040000	High Sch	Yes	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.

## Earth and Space Science

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6364	EARTH & SPACE	1			03060200	High Sch	Yes	2

**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.

# Willis High School Course Catalog for 2016-2017

**Department:** Science

**Program:**

## Environmental Systems

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6361	ENVIR SYS	1			03020000	High Sch	Yes	2

**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.

## Integrated Physics And Chemistry

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6321	IPC	1			03060201	High Sch	Yes	2

**Prerequisite:** Alg 1 or concurrent

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

## Physics

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6342	PHYSICS	1			03050000	High Sch	Yes	2

**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.

## Physics PAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6343	PHYSICS PAP	1		Q	03050000	High Sch	Yes	1

**Prerequisite:** 2 Sci. Credits and PAP Alg. 2 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.

# Willis High School Course Catalog for 2016-2017

**Department:** Social Studies

**Program:**

## **Economics With Emphasis On The Free Enterprise System And Its Benefits**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6451	ECONOMICS	0.5			03310300	High Sch	Yes	2

**Prerequisite:** U.S. History

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

## **Macroeconomics**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6452	ECONOMICS AP	0.5		P	A3310200	High Sch	Yes	1

**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.

## **Psychology**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6462	PSYCHOLOGY	0.5			03350100	High Sch	No	2

**Prerequisite:** None

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

## **Sociology**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6461	SOCIOLOGY	0.5			03370100	High Sch	No	2

**Prerequisite:** None

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.

## **Special Topics in Social Studies**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6435	SP TOPICS SS_A	0.5			03380002	High Sch	No	2

**Prerequisite:** None

Special Topics in Social Studies is a remedial course for students needed to pass US History EOC.

# Willis High School Course Catalog for 2016-2017

**Department:** Social Studies

**Program:**

## Special Topics in Social Studies

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6436	SP TOPICS SS_B	0.5			03380022	High Sch	No	2

**Prerequisite:** None

Special Topics in Social Studies is a remedial course for students needed to pass US History EOC.

## United States Government

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6441	GOVERNMENT	0.5			03330100	High Sch	Yes	2

**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.

## United States Government DC

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6445	GOVERNMENT DC	0.5		D	03330100	High Sch	Yes	1

**Prerequisite:** Qualifying placement scores

A survey of the Federal government including such topics such as the US Constitution; democratic theory; federalism; political culture, political socialization and public opinion; political participation and electoral behavior; political parties and interest groups; press; Presidency, the Congress and the Courts; the role played by the Bureaucracy, Social policy, Economic policy, and the dynamic nature of American Foreign Policy. These phenomena are examined at the national levels with an emphasis placed on linkages with the formulation of public policy. Students will actively exhibit their comprehension of the concepts through creation of materials such as campaign commercials, yard signs, infographics, and compositions. Students will also be exposed to professionals working in careers related to the various topics in a series of digital and in class forums.

## United States Government AP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6442	GOVERNMENT AP	0.5		P	A3330100	High Sch	Yes	1

**Prerequisite:** U. S. History, AP requirements

A survey of the Federal government including such topics such as the US Constitution; democratic theory; federalism; political culture, political socialization and public opinion; political participation and electoral behavior; political parties and interest groups; press; Presidency, the Congress and the Courts; the role played by the Bureaucracy, Social policy, Economic policy, and the dynamic nature of American Foreign Policy. These phenomena are examined at the national levels with an emphasis placed on linkages with the formulation of public policy. Students will actively exhibit their comprehension of the concepts through creation of materials such as campaign commercials, yard signs, infographics, and compositions. Students will also be exposed to professionals working in careers related to the various topics in a series of digital and in class forums.

# Willis High School Course Catalog for 2016-2017

**Department:** Social Studies

**Program:**

## United States Government DC - Special Topics

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6444	SS ADV GOVT DC	0.5		D	03380001	High Sch	Yes	1

**Prerequisite:** Qualifying placement scores

In Special Topics in Social Studies, an elective course, students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives.

## United States History AP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6432	US HISTORY AP	1		P	A3340100	High Sch	Yes	1

**Prerequisite:** World History, AP requirements

APUSH a survey of the social, political, economic, cultural, and intellectual, history of the United States from the Pre-Columbian era to the present. Themes to be addressed can include, but are not limited to the following: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the creation and later expansion of the federal government, and the study of U.S. foreign policy.

## United States History Since Reconstruction

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6431	US HISTORY	1			03340100	High Sch	Yes	2

**Prerequisite:** World History

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

## United States History Since Reconstruction DC

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6433	US HISTORY DC	1		D	03340100	High Sch	Yes	1

**Prerequisite:** World History, Qualifying placement scores

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.



# Willis High School Course Catalog for 2016-2017

**Department:** Social Studies

**Program:**

## World Geography Studies

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6411	W GEOGRAPHY	1			03320100	High Sch	Yes	2

**Prerequisite:** None

A study of people, places, and environments.

## World Geography Studies-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6412	W GEOGRAPHY PAP	1		Q	03320100	High Sch	Yes	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.

## World History AP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6423	W HISTORY AP	1		P	A3370100	High Sch	Yes	1

**Prerequisite:** AP requirements

Explore key themes of world history, including interaction with the environment, cultures, state-building, economic systems, and social structures, from approximately 8000 B.C.E. to the present.

## World History Studies

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6421	W HISTORY	1			03340400	High Sch	Yes	2

**Prerequisite:** World Geography

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

## World History Studies-PreAP

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
6422	W HISTORY PAP	1		Q	03340400	High Sch	Yes	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.

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Baseball Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8013	BASEBALL Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Baseball Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8014	BASEBALL Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Baseball Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8015	BASEBALL Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Baseball Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8016	BASEBALL Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Basketball Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8005	BOYS BBALL Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Boys Basketball Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8006	BOYS BBALL Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Basketball Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8007	BOYS BBALL Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Basketball Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8008	BOYS BBALL Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Golf Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8017	BOYS GOLF Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Golf Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8018	BOYS GOLF Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Boys Golf Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8019	BOYS GOLF Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Golf Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8020	BOYS GOLF Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Soccer Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8009	BOYS SOCCER Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Soccer Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8010	BOYS SOCCER Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Boys Soccer Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8011	BOYS SOCCER Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Boys Soccer Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8012	BOYS SOCCER Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Cross Country Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8205	CCOUNTRY Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Cross Country Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8206	CCOUNTRY Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Cross Country Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8207	CCOUNTRY Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Cross Country Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8208	CCOUNTRY Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Football Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8001	FOOTBALL Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Football Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8002	FOOTBALL Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Football Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8003	FOOTBALL Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Football Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8004	FOOTBALL Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Basketball Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8105	GIRLS BBALL Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Girls Basketball Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8106	GIRLS BBALL Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Basketball Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8107	GIRLS BBALL Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Basketball Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8108	GIRLS BBALL Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Golf Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8117	GIRLS GOLF Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Golf Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8118	GIRLS GOLF Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Girls Golf Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8119	GIRLS GOLF Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Golf Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8120	GIRLS GOLF Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Soccer Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8109	GIRLS SOCCER Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Soccer Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8110	GIRLS SOCCER Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Girls Soccer Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8111	GIRLS SOCCER Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport



# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Girls Soccer Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8112	GIRLS SOCCER Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Softball Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8113	SOFTBALL Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Softball Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8114	SOFTBALL Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Softball Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8115	SOFTBALL Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Softball Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8116	SOFTBALL Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Tennis Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8201	TENNIS Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Tennis Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8202	TENNIS Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Tennis Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8203	TENNIS Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Tennis Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8204	TENNIS Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Volleyball Y1**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8101	VOLLEYBALL Y1	1			PES00000	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Athletics**

## **Volleyball Y2**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8102	VOLLEYBALL Y2	1			PES00001	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Volleyball Y3**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8103	VOLLEYBALL Y3	1			PES00002	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## **Volleyball Y4**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
8104	VOLLEYBALL Y4	1			PES00003	High Sch	No	2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2016-2017

**Department: Sports**

**Program: Sports Medicine**

## **Athletic Trainer**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7551	ATH TRAINER	1			85000TR2	High Sch	No	2

**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.

## **Sports Medicine I**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7555	SPORTS MED 1	1			N1150040	High Sch	No	2

**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.

## **Sports Medicine II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7556	SPORTS MED 2	1			N1150041	High Sch	No	2

**Prerequisite:** 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.

# Willis High School Course Catalog for 2016-2017

**Department: Technology**

**Program: Computer Science**

## **3-D Modeling and Animation**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7202	3D MODEL ANIMAT	1			03580510	High Sch	No	2

**Prerequisite:** None

Through the study of the six strands in technology applications, students will develop college readiness skills applied to technology, including terminology, concepts, and strategies. Students will learn to make informed decisions about technologies and their applications. Students will learn the efficient acquisition of information using search strategies and the use of technology to access, analyze, and evaluate acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate results. Students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will analyze and evaluate the results.

## **Computer Science I**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7200	COMPUTER SCI 1	1			03580200	High Sch	No	2

**Prerequisite:** Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

## **Computer Science II**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7203	COMPUTER SCI 2	1			03580300	High Sch	No	2

**Prerequisite:** Algebra I and either Computer Science I or Fundamentals of Computer Science

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts.

# Willis High School Course Catalog for 2016-2017

**Department:** Technology

**Program:** Computer Science

## **Discrete Mathematics for Computer Science**

Course Number	Abbreviation	Number of Credits	CTE Hours	Special Code	State Service ID	Credit Level	Included in WGPA	Course Tier Level
7201	DISCRETE MATH	1			03580370	High Sch	Yes	2

**Prerequisite:** Algebra II

Discrete Mathematics provides the tools used in most areas of computer science. Exposure to the mathematical concepts and discrete structures presented in this course is essential in order to provide an adequate foundation for further study. Discrete Mathematics is generally listed as a core requirement for Computer Science majors. Course topics are divided into six areas: sets, functions, and relations; basic logic; proof techniques; counting basics; graphs and trees; and discrete probability. Mathematical topics are interwoven with computer science applications to enhance the students' understanding of the introduced mathematics. Students will develop the ability to see computational problems from a mathematical perspective. Introduced to a formal system (propositional and predicate logic) upon which mathematical reasoning is based, students will acquire the necessary knowledge to read and construct mathematical arguments (proofs), understand mathematical statements (theorems), and use mathematical problem-solving tools and strategies. Students will be introduced to discrete data structures such as sets, discrete functions, and relations and graphs and trees. Students will also be introduced to discrete probability and expectations.