



# **Willis Independent School District**

## **High School Course Catalog** for **2019-2020**

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# Willis High School Course Catalog for 2019-2020

**Department: AIR FORCE JROTC**

**Program: Aerospace Science and Leadership**

## JROTC 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68410000	JROTC 1	1	09 - 12	YR		PES00004	N	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor

A blended course designed to accommodate first, second, and third year cadets (i.e. JROTC 1, 2, & 3) 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 2019-2020 is "Milestones in Aviation History." It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. The intent of this course is to bring alive the significant discoveries in flight a reality. The textbook tells the story of why we are so proud of our Air Force heritage. Throughout the course, 21st century learning is adopted with readings, video clips, hands-on learner centered activities, and chapter project-based learning opportunities. The primary study area for Leadership Education in 2019-2020 is "Traditions, Wellness, and Foundations of Citizenship." It will introduce cadets to the history, organization, mission, traditions, goals, and objectives of JROTC for all services. It introduces key military customs and courtesies, how to project a positive attitude, and examine the principles of ethical and moral behavior. It provides strategies for effective note taking and study skills for academic success. Lessons will cover how to be emotionally, mentally, and physically healthy. Avoiding and preventing violence in today's society will also be covered, as well as, how to recognize types of bullying and how to advocate for prevention of this type of behavior. It will cover healthy living, physical fitness, and how to make safe, drug-free, and responsible decisions. Cadets will be introduced to civics and our national government, including a historical understanding of the American flag and other important national symbols. The final chapter will also cover how the US Constitution protects our rights and freedoms as American citizens. Additionally, cadets will be taught the fundamentals of Drill and Ceremonies. This portion of the course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Most of the work is to be hands-on. 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 in Leadership Education. AFJROTC 1 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. Physical Education and/or general elective credit may be earned for successful completion of this JROTC course.

## JROTC 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68420000	JROTC 2	1	09 - 12	YR		03160200	N	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor

See JROTC 1

# Willis High School Course Catalog for 2019-2020

**Department: AIR FORCE JROTC**

**Program: Aerospace Science and Leadership**

## JROTC 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68430000	JROTC 3	1	09 - 12	YR		03160300	N	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor

See JROTC 1

## JROTC 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68440000	JROTC 4	1	09 - 12	YR		03160400	N	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor, completed AFJROTC1, 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 organization 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. 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.

## JROTC CADET HONORS PROJECT

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68450000	JROTC PROJECT	1	09 - 12	YR	L	85000JRS	N	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor, enrolled in JROTC 2, 3 or 4 completed JROTC 1 (required) and JROTC 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.

# Willis High School Course Catalog for 2019-2020

**Department: AIR FORCE JROTC**

**Program: Aerospace Science and Leadership**

## JROTC CADET LEADERSHIP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>68460000</b>	JROTC CAD LEAD	0.5	09 - 12	SM	L	85000RTC	N	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor

Cadet Leadership Course (formerly Summer Leadership School and Leader Laboratory Activity) 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.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Advanced Animal Science

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7016000C</b>	ANIMAL SCI ADV	1	12	YR		13000700	Y	TIER 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.

## Agricultural Mechanics and Metal Technologies

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7011000C</b>	AG MECH METAL T	1	09 - 12	YR		13002200	N	TIER 2

**Prerequisite:** \$30 lab fee required

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. (\$30 lab fee required)

## Agricultural Power Systems

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7012000C</b>	AG POWER SYS	2	10 - 12	YR		13002400	N	TIER 2

**Prerequisite:** Principles of AFNR or Principles of Construction or Principles of Manufacturing; \$25 lab fee required

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)

## Agricultural Structures Design and Fabrication

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7013000C</b>	AG STRUCT & FAB	1	10 - 12	YR		13002300	N	TIER 2

**Prerequisite:** Agricultural Mechanics and Metal Technologies; \$30 shop fee

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. (\$30 shop fee required)



# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Equine Science

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7014000C</b>	EQUINE SCIENCE	0.5	10 - 12	SM		13000500	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-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.

## Floral Design

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7023000C</b>	FLORAL DESIGN	1	10 - 12	YR		13001800	N	TIER 2

**Prerequisite:** None

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.

## Forestry and Woodland Ecosystems

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7190000C</b>	FOREST WOOD ECO	1	10 - 12	YR		13001700	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-12th grade

Forestry and Woodland Ecosystems examines current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

## Greenhouse Operation and Production

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7028000C</b>	GREENHOUSE O&P	1	10 - 12	YR		13002050	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-12th grade

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Horticultural Science

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7022000C</b>	HORT SCIENCE	1	10 - 12	YR		13002000	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-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.

## Landscape Design and Management

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7185000C</b>	LANDSCP DESIGN	0.5	10 - 12	SM		13001900	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-12th grade

Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

## Mathematical Applications in Agriculture, Food, and Natural Resources

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7010000C</b>	MATH AFNR	1	09 - 12	YR		13001000	Y	TIER 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.

## Oil and Gas Production I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7170000C</b>	OIL & GAS PROD1	1	10 - 12	YR		13001250	N	TIER 2

**Prerequisite:** 10th-12th grader

In Oil and Gas Production I, students will identify specific career opportunities and skills, abilities, tools, certification, and safety measures associated with each career. Students will also understand components, systems, equipment, and production and safety regulations associated with oil and gas wells. To prepare for careers in oil and gas production, students must attain academic skills and knowledge, acquire technical knowledge and skills related to oil and gas production and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Oil and Gas Production II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7171000C</b>	OIL GAS PROD II	1	11 - 12	YR		13001260	N	TIER 2

**Prerequisite:** Oil and Gas Production I

In Oil and Gas Production II, students will gain knowledge of the specific requirements for entry into post-secondary education and employment in the petroleum industry; research and discuss petroleum economics; research and discuss the modes of transportation in the petroleum industry; research and discuss environmental, health, and safety concerns; research and discuss different energy sources; and prepare for industry certification. To prepare for careers in oil and gas production, students must attain academic skills and knowledge, acquire technical knowledge and skills related to oil and gas production and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

## Practicum in Agriculture, Food, and Natural Resources (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7027000C</b>	PRAC AG-FOOD-NR	2	12	YR		13002500	N	TIER 2

**Prerequisite:** 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 of Agriculture, Food, and Natural Resources

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7009000C</b>	PRIN AG/FOOD/NR	1	09 - 10	YR		13000200	N	TIER 2

**Prerequisite:** Must be in grades 9 -10

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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7020000C</b>	RANGE ECO MNGMT	1	10 - 12	YR		13001600	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-12th grade

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

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Small Animal Management

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7015000C</b>	SM ANIMAL MANGM	0.5	10 - 12	SM		13000400	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-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.

## Turf Grass Management

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7180000C</b>	TURF GRASS MANG	0.5	10 - 12	SM		13001950	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-12th grade

Turf Grass Management is designed to develop an understanding of turf grass management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

## Veterinary Medical Applications

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7017000C</b>	VETERINARY APPS	1	11 - 12	YR		13000600	N	TIER 2

**Prerequisite:** Principles of AFNR or Biology I; 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.

## Wildlife, Fisheries and Ecology Management

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7018000C</b>	WILDLIFE MNGMNT	1	10 - 12	YR		13001500	N	TIER 2

**Prerequisite:** Principles of AFNR or 11th-12th grade; \$15 fee for certification

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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Architecture and Construction**

## Construction Technology I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7032000C</b>	CONST TECH 1	2	10 - 12	YR		13005100	N	TIER 2

**Prerequisite:** Principle of Construction; \$30 shop fee required

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. (\$30 shop fee)

## Construction Technology II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7033000C</b>	CONST TECH 2	2	11 - 12	YR		13005200	N	TIER 2

**Prerequisite:** Construction Technology I; \$30 shop fee required

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. (\$30 shop fee)

## Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7037000C</b>	HVAC REFRIG TEC	1	09 - 12	YR		13005800	N	TIER 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 I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7035000C</b>	INTERIOR DSGN 1	1	10 - 12	YR		13004300	N	TIER 2

**Prerequisite:** Principles of Construction, Algebra I, English I

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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Architecture and Construction**

## Interior Design II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7036000C</b>	INTERIOR DSGN 2	2	10 - 12	YR		13004400	N	TIER 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 Technology (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7029000C</b>	PRACT CONST TEC	2	12	YR		13005250	N	TIER 2

**Prerequisite:** Construction Technology II; \$30 shop fee required

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class. (\$30 shop fee)

## Principles of Architecture

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7031000C</b>	PRIN OF ARCHIT	1	09 - 12	YR		13004210	N	TIER 2

**Prerequisite:** None

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

## Principles of Construction

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7030000C</b>	PRIN OF CONST	1	09 - 12	YR		13004220	N	TIER 2

**Prerequisite:** \$30 shop fee required

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. (\$30 shop fee)

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Audio/Video Production I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7005000C</b>	A/V PRODUCT 1	1	10 - 12	YR		13008500	N	TIER 2

**Prerequisite:** Principle of Arts, A/V Technology and Communications or Digital Media; approved application, grades 10-12

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products. After school activity attendance required.

## Audio/Video Production I/Audio/Video Production I Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700500PC</b>	AVPROD 1 & LAB	2	10 - 12	YR		13008510	N	TIER 2

**Prerequisite:** Principle of Arts, A/V Technology and Communications or Digital Media; approved application, grades 10-12

A lab corequisite for the course affords necessary time devoted specifically to the production and post-production process. After school activity attendance required.

## Audio/Video Production II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7006000C</b>	A/V PROD 2	1	11 - 12	YR		13008600	N	TIER 2

**Prerequisite:** Audio/Video Production I; approved application; grades 11-12

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video. After school activity attendance required.

## Audio/Video Production II/Audio/Video Production II Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700600PC</b>	AVPROD 2 & LAB	2	11 - 12	YR		13008610	N	TIER 2

**Prerequisite:** Audio/Video Production I; approved application; grades 11-12

A lab corequisite for the course affords necessary time devoted specifically to the production and post-production process. After school activity attendance required.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Commercial Photography I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7007000C</b>	COMM PHOTO 1	1	10 - 12	YR		13009100	N	TIER 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.

## Commercial Photography I/Commercial Photography I Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700700PC</b>	COMPHOTO1 & LAB	2	10 - 12	YR		13009110	N	TIER 2

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

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. 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.

## Commercial Photography II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7008000C</b>	COMM PHOTO 2	1	11 - 12	YR		13009200	N	TIER 2

**Prerequisite:** Commercial Photography I; approved application

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.

## Commercial Photography II/Commercial Photography II Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700800PC</b>	COMPHOTO2 & LAB	2	11 - 12	YR		13009210	N	TIER 2

**Prerequisite:** Commercial Photography I; approved application

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. 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.



# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Digital Audio Technology I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7001000C</b>	DIG AUDIO TECH1	1	09 - 12	YR		13009950	N	TIER 2

**Prerequisite:** None

Digital Audio Technology I was designed to provide students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Digital Audio Technology I does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. This course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

## Digital Audio Technology II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6999000C</b>	DIG AUDIO TECH	1	09 - 12	YR		13009960	N	TIER 2

**Prerequisite:** Digital Audio Technology I

Digital Audio Technology II was designed to provide additional opportunities and skill sets for students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, and music production and live sound. Digital Audio Technology II does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. This course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

## Fashion Design I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7003000C</b>	FASHION DSGN 1	1	10 - 12	YR		13009300	N	TIER 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.

## Fashion Design I/Fashion Design I Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700300PC</b>	FASHDSGN1 & LAB	2	10 - 12	YR		13009310	N	TIER 2

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

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Fashion Design II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7004000C</b>	FASHION DSGN 2	1	10 - 12	YR		13009400	N	TIER 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.

## Fashion Design II/Fashion Design II Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700400PC</b>	FASHDSGN2 & LAB	2	10 - 12	YR		13009410	N	TIER 2

**Prerequisite:** Fashion Design I

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

## Practicum in Audio/Video Production (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7038000C</b>	AV PROD PRAC1	2	12	YR		13008700	N	TIER 2

**Prerequisite:** Audio/Video Production II

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, 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 increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

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

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7002000C</b>	PRIN ARTS A/V	1	09 - 12	YR		13008200	N	TIER 2

**Prerequisite:** Grades 9-10

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.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Printing and Imaging Technology I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700000C</b>	PRINT IMG TECH1	1	10 - 12	YR		13009600	N	TIER 2

**Prerequisite:** Grades 10-12

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.

## Printing and Imaging Technology I/Printing and Imaging Technology Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>70000PC</b>	PRT IMG1 & LAB	2	10 - 12	YR		13009610	N	TIER 2

**Prerequisite:** Grades 10-12

Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to demonstrate an understanding of the printing industry with a focus on digital prepress and digital publishing.

## Printing and Imaging Technology II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>699800C</b>	PRIN IMG TEC II	1	11 - 12	YR		13009700	N	TIER 2

**Prerequisite:** Printing and Imaging Technology I

Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the printing industry with a focus on digital prepress and desktop digital publishing.

## Printing and Imaging Technology II/Printing and Imaging Technology II Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>699800PC</b>	PRT IMG2 & LAB	2	11 - 12	YR		13009710	N	TIER 2

**Prerequisite:** Printing and Imaging Technology I

Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the printing industry with a focus on digital prepress and desktop digital publishing.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

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

## Video Game Design

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7074000C</b>	VIDEO GAME DSGN	1	09 - 12	YR		13009970	N	TIER 2

### Prerequisite:

Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Business Management and Administration**

## Business English

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7080000C</b>	BUSINESS ENG	1	12	YR		13011600	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7082000C</b>	BUSINFO1	1	09 - 12	YR		13011400	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7085000C</b>	BUS INFO MGT 2	1	09 - 12	YR		13011500	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7083000C</b>	BUSINESS LAW	1	10 - 12	YR		13011700	N	TIER 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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Business Management and Administration**

## Business Management

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7086000C</b>	BUSINESS MGMT	1	10 - 12	YR		13012100	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7081000C</b>	PRIN BUS MKT FI	1	09 - 12	YR		13011200	N	TIER 2

**Prerequisite:** A 4G flash drive is required and \$20 DECA fee

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 System Data Entry

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7079000C</b>	TOUCH SYS DATA	0.5	09 - 12	SM		13011300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7084000C</b>	VIRTUAL BUS	0.5	10 - 12	SM		13012000	N	TIER 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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Education and Training**

## Human Growth and Development

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7133000C</b>	HUMAN GROW DEV	1	09 - 12	YR		13014300	N	TIER 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

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7132000C</b>	INST PRACTICES	2	10 - 12	YR		13014400	N	TIER 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 and develop materials for a variety of educational environments.

## Principles of Education and Training

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7131000C</b>	PRIN ED & TRAIN	1	09 - 12	YR		13014200	N	TIER 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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Finance**

## Accounting I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7092000C</b>	ACCOUNTING 1	1	10 - 12	YR		13016600	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7093000C</b>	ACCOUNTING 2	1	11 - 12	YR		13016700	N	TIER 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.

## Financial Mathematics

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7095000C</b>	FINANCIAL MATH	1	10 - 12	YR		13018000	Y	TIER 2

**Prerequisite:** Algebra I

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.

## Money Matters

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7096000C</b>	MONEY MATTERS	1	10 - 12	YR		13016200	N	TIER 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.



# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Finance**

## Statistics and Business Decision Making

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7094000C</b>	STAT BUS DEC MK	1	10 - 12	YR		13016900	Y	TIER 2

**Prerequisite:** 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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Health Science**

## Anatomy and Physiology

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7106000C</b>	ANTMY-PH	1	10 - 12	YR		13020600	Y	TIER 2

**Prerequisite:** 2 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.

## Health Science Theory/Health Science Clinical

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>710200PC</b>	HLTHSCI & CLIN	2	11 - 12	YR		13020410	N	TIER 2

**Prerequisite:** Principles of Health Science; approved application

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Students will learn the roles of the medical workplace. Students will be off campus for clinical rotations for part of this class.

## Pharmacology

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7107000C</b>	PHARMACOLOGY	1	09 - 12	YR		13020950	N	TIER 2

**Prerequisite:** Biology & Chemistry; Principles of Health Science; 11th or 12th grade

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever changing, growing body of information that continually demands greater amounts of time and education from health care workers. This is the class to take during the junior year for those considering going into Pharmacy Tech.

## Practicum in Health Science (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7105000C</b>	HSCI PRAC1	2	12	YR		13020500	N	TIER 2

**Prerequisite:** Health Science Theory/Health Science Clinical; approved application

The Practicum in Health Science course is designed to give students 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. Students in the CNA Practicum prepare for careers as entry level nursing assistants. Students will prepare for the NACES certification exam. Students will be off campus for clinical rotations for part of this class.

# Willis High School Course Catalog for 2019-2020

**Department:** Career and Technical Education

**Program:** CTE-Health Science

## Practicum in Health Science (Second Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7103000C</b>	HSCI PRAC2	2	12	YR		13020510	N	TIER 2

**Prerequisite:** Health Science Theory/Health Science Clinical; approved application; \$295 for State Exams and fingerprinting required

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.

## Practicum in Health Science/Extended Practicum in Health Science (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>710500PC</b>	HSCIPRAC1 & EXT	3	12	YR		13020505	N	TIER 2

**Prerequisite:** Health Science Theory/Health Science Clinical; approved application

The Practicum in Health Science course is designed to give students 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.

Students in the CNA Practicum prepare for careers as entry level nursing assistants. Students will prepare for the NACES certification exam. Students will be off campus for clinical rotations for part of this class.

## Principles of Health Science

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7101000C</b>	PRIN HEALTH SCI	1	10 - 12	YR		13020200	N	TIER 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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-High School**

## Career Preparation I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>715000C</b>	CAREER PREP 1	2	11 - 12	YR		12701300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>715100C</b>	CAREER PREP 2	2	12	YR		12701400	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Hospitality and Tourism**

## Advanced Culinary Arts

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7053000C</b>	ADV CULINARY	2	11 - 12	YR		13022650	N	TIER 2

**Prerequisite:** Culinary Arts; \$40 lab fee plus students must purchase a chef hat/coat/apron

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. \$40 lab fee plus students must purchase a chef hat/coat/apron.

## Culinary Arts

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7051000C</b>	CULINARY ARTS	2	10 - 12	YR		13022600	N	TIER 2

**Prerequisite:** Principles of Human Services and Nutrition and Wellness; \$40 lab fee plus students must purchase a chef hat/coat/apron

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course. \$40 lab fee plus students must purchase a chef hat/coat/apron.

## Food Science

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7054000C</b>	FOOD SCIENCE	1	11 - 12	YR		13023000	N	TIER 2

**Prerequisite:** Three units of science, including chemistry and biology

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

## Introduction to Culinary Arts

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7052000C</b>	INTRO CULINARY	1	09 - 12	YR		13022550	N	TIER 2

**Prerequisite:**

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

# **Willis High School Course Catalog for 2019-2020**

**Department: Career and Technical Education**

**Program: CTE-Hospitality and Tourism**

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## **Principles of Hospitality and Tourism**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7050000C</b>	PRIN HOSP TOUR	1	09 - 12	YR		13022200	N	TIER 2

**Prerequisite:**

Principles of Hospitality and Tourism introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Human Services**

## Child Development

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7112000C</b>	CHILD DEVELOP	1	09 - 12	YR		13024700	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7113000C</b>	CHILD GUIDANCE	2	10 - 12	YR		13024800	N	TIER 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.

## Cosmetology I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7161000C</b>	COSMETOLOGY 1	2	10 - 12	YR		13025200	N	TIER 2

**Prerequisite:** Recommended: Introduction to Cosmetology; \$25 license fee; \$525 Lab kit fee

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. \$25 license fee; \$525 Lab Kit fee

## Cosmetology I/Cosmetology I Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>716100PC</b>	COSMETOL I LAB	3	10 - 11	YR		13025210	N	TIER 2

**Prerequisite:** Recommended: Introduction to Cosmetology; \$25 license fee; \$525 Lab kit fee

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. \$25 license fee; \$525 Lab Kit fee

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Human Services**

## Cosmetology II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7162000C</b>	COSMETOLOGY 2	2	11 - 12	YR		13025300	N	TIER 2

**Prerequisite:** Cosmetology I; \$325 Lab kit fee

In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. \$325 Lab Kit Fee

## Cosmetology II/Cosmetology II Lab

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>716200PC</b>	COSMET II LAB	3	11 - 12	YR		13025310	N	TIER 2

**Prerequisite:** Cosmetology I; \$325 Lab kit fee

In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. \$325 Lab Kit Fee

## Counseling and Mental Health

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7108000C</b>	COUNSEL & M HLT	1	11 - 12	YR		13024600	N	TIER 2

**Prerequisite:**

In Counseling and Mental Health, students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

## Dollars and Sense

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7097000C</b>	DOLLARS & SENSE	0.5	11 - 12	SM		13024300	N	TIER 2

**Prerequisite:**

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.



# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Human Services**

## Interpersonal Studies

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7115000C</b>	INTERPERSON STD	0.5	09 - 12	SM		13024400	N	TIER 2

**Prerequisite:**

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

## Introduction to Cosmetology

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7160000C</b>	INTRO COSMETOLO	1	09 - 12	YR		13025100	N	TIER 2

**Prerequisite:**

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward State licensing requirements. Course to begin August 2019

## Lifetime Nutrition and Wellness

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7114000C</b>	LIFE NUTR WELL	0.5	09 - 12	SM		13024500	N	TIER 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 Cosmetology Design and Color Theory

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7163000C</b>	PRIN DSGN COLOR	1	09 - 12	YR		13025050	N	TIER 2

**Prerequisite:**

In Principles of Cosmetology Design and Color Theory, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as technical knowledge and skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

# Willis High School Course Catalog for 2019-2020

**Department:** Career and Technical Education

**Program:** CTE-Human Services

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## Principles of Human Services

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7111000C</b>	PRIN HUMAN SERV	1	09 - 12	YR		13024200	N	TIER 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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Information Technology**

## Computer Maintenance

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7042000C</b>	COMPUTER MAINT	1	10 - 12	YR		13027300	N	TIER 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 I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7049000C</b>	COMP PROGRAM 1	1	10 - 12	YR		13027600	N	TIER 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 Science I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7200000C</b>	COMPUTER SCI I	1	09 - 12	YR		03580200	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Information Technology**

## Computer Technician Practicum (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7047000C</b>	COMP TECH PRACT	2	11 - 12	YR		13027500	N	TIER 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 Media

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7046000C</b>	DIGITAL MEDIA	1	09 - 12	YR		13027800	N	TIER 2

**Prerequisite:**

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

## Internetworking Technologies I (Cisco)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7043000C</b>	INTRNTWKG TECH1	2	09 - 12	YR	X	N1302803	N	TIER 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 (Cisco)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7044000C</b>	INTRNTWKG TECH2	2	10 - 12	YR	X	N1302804	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Information Technology**

## Principles of Information Technology

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7041000C</b>	PRIN INFO TECH	1	09 - 12	YR		13027200	N	TIER 2

**Prerequisite:**

In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

## Web Technologies

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7045000C</b>	WEB TECH	1	09 - 12	YR		13027900	N	TIER 2

**Prerequisite:** Principles of InformationTechnology; Flash Drive storgae required for course - 2GB Minimum

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 2019-2020

**Department: Career and Technical Education**

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

## Forensic Science

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7121000C</b>	FORENSIC SCI	1	10 - 12	YR		13029500	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7122000C</b>	LAW ENFORCE 1	1	10 - 12	YR		13029300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7123000C</b>	LAW ENFORCE 2	1	11 - 12	YR		13029400	N	TIER 2

**Prerequisite:** Law Enforcement I and Principles of LPSCS; Approved Application

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 (First TimeTaken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7124000C</b>	PRAC LAW PCS	2	12	YR		13030100	N	TIER 2

**Prerequisite:** Principles of LPSCS and Law 1; Approved Application; For students in Grade 12

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 2019-2020

**Department:** Career and Technical Education

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

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

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7125000C</b>	EXTE PRAC LPSCS	3	11 - 12	YR		13030105	N	TIER 2

**Prerequisite:**

Extended Practicum in Law, Public Safety, Corrections, and Security is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

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

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7120000C</b>	PRIN LAW PSC	1	09 - 12	YR		13029200	N	TIER 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 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Manufacturing**

## Metal Fabrication and Machining I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7064000C</b>	METAL FAB MACH1	2	10 - 12	YR		13032700	N	TIER 2

**Prerequisite:** Welding II

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.

## Metal Fabrication and Machining II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7067D00C</b>	METAL FAB MACH2	2	11 - 12	YR		13032800	N	TIER 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 (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7065D00C</b>	PRACTICUM MANUF	2	12	YR		13033000	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7061000C</b>	PRIN MANUFACTUR	1	09 - 12	YR		13032200	N	TIER 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 I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7062000C</b>	WELDING 1	2	10 - 12	YR		13032300	N	TIER 2

**Prerequisite:** Principles of Manufacturing or Principles of Construction or Agricultural Mechanics and Metal Technologies; \$30 shop fee

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. \$30 shop fee



# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Manufacturing**

## Welding II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7063000C</b>	WELDING 2	2	11 - 12	YR		13032400	N	TIER 2

**Prerequisite:** Welding I; \$30 shop fee

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. \$30 shop fee

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Marketing**

## Advanced Marketing

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7089000C</b>	ADV MARKETING	2	10 - 12	YR		13034700	N	TIER 2

**Prerequisite:** Principles of Business, Marketing, and Finance; 4G flash drive is required and \$20 DECA Fee

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.

## Advertising

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7088000C</b>	ADVERTISING	0.5	10 - 12	SM		13034200	N	TIER 2

**Prerequisite:** Principles of Business, Marketing, and Finance; 4G flash drive is required and \$20 DECA Fee

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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7087000C</b>	ENTREPRENEUR	1	12	YR		13034400	N	TIER 2

**Prerequisite:** Principles of Business, Marketing, and Finance; 4G flash drive is required and \$20 DECA Fee

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.

## Fashion Marketing

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7205000C</b>	FASHION MARKET	0.5	09 - 12	SM		13034300	N	TIER 2

**Prerequisite:**

Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Marketing**

## Fundamentals of Real Estate

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7098000C</b>	FUND REAL ESTAT	2	12	YR	X	N1301120	N	TIER 2

**Prerequisite:** \$475 course fee

In Fundamentals of Real Estate, students gain knowledge and skills in general principles of real estate, the law of agency, the law of contracts, use of promulgated forms and real estate finance. Students analyze the elements of a real estate transaction, including representation, financing, title, closing and deeds. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant principles of real estate. (\$475 Course fee)

## Practicum in Marketing (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7091000C</b>	PRAC MARKETING	2	12	YR		13034800	N	TIER 2

**Prerequisite:** 2 credits in Marketing

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.

## Social Media Marketing

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7204000C</b>	SOC MEDIA MARKE	0.5	09 - 12	SM		13034650	N	TIER 2

**Prerequisite:**

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

## Sports and Entertainment Marketing

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7090000C</b>	SP/ENTERTN MKT	0.5	10 - 12	SM		13034600	N	TIER 2

**Prerequisite:** Principles of Business, Marketing, and Finance; 4G flash drive is required and \$20 DECA Fee

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 2019-2020

**Department: Career and Technical Education**

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

## Engineering Design and Presentation I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7071000C</b>	ENG DSGN PRES 1	1	10 - 12	YR		13036500	N	TIER 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 II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7070000C</b>	ENG DSGN PRES 2	2	11 - 12	YR		13036600	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7072000C</b>	PRIN OF TECH	1	09 - 12	YR		13037100	Y	TIER 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 I

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7073000C</b>	ROBOTICS 1	1	09 - 12	YR		13037000	N	TIER 2

**Prerequisite:**

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 2019-2020

**Department:** Career and Technical Education

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

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## Robotics II

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7075000C</b>	ROBOTICS II	1	10 - 12	YR		13037050	N	TIER 2

**Prerequisite:** Robotics I

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

# Willis High School Course Catalog for 2019-2020

**Department: Career and Technical Education**

**Program: CTE-Transportation, Distribution, and Logistics**

## Aircraft Airframe Technology

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>714200JC</b>	AIRCRAFT AIRFRAM	2	09 - 12	YR		13039400	N	TIER 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 Powerplant Technology

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>714300JC</b>	AIRCRAFT PWRPLN	2	09 - 12	YR		13039500	N	TIER 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 Basics

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7139000C</b>	AUTO BASICS	1	09 - 12	YR		13039550	N	TIER 2

**Prerequisite:**

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing 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 safety, tool identification, proper tool use, and employability.

## Automotive Technology I: Maintenance and Light Repair

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7140000C</b>	AUTO TECH 1	2	09 - 12	YR		13039600	Y	TIER 2

**Prerequisite:**

Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow 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 safety, tool identification, proper tool use, and employability.

# Willis High School Course Catalog for 2019-2020

**Department:** Career and Technical Education

**Program:** CTE-Transportation, Distribution, and Logistics

## Automotive Technology II: Automotive Service

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7141000C</b>	AUTO TECH2 SERV	2	10 - 12	YR		13039700	Y	TIER 2

**Prerequisite:** Automotive Technology I

Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow 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 safety, tool identification, proper tool use, and employability.

## Practicum in Transportation Systems (First Time Taken)

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7137000C</b>	PRAC TRANSP SYS	2	11 - 12	YR		13040450	N	TIER 2

**Prerequisite:**

Practicum in Transportation Systems 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 experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.

## Principles of Transportation Systems

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7138000C</b>	PRIN TRANS SYS	1	09 - 12	YR		13039250	N	TIER 2

**Prerequisite:**

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

# Willis High School Course Catalog for 2019-2020

**Department:** Economics / Free Enterprise

**Program:** Advanced Placement (AP) courses

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## ECONOMICS AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64510A00	ECONOMICS AP	0.5	09 - 12	SM	P	A3310200	Y	TIER 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.



# Willis High School Course Catalog for 2019-2020

**Department: Economics / Free Enterprise**

**Program: Economics**

## ECONOMICS

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64510000	ECONOMICS	0.5	09 - 12	SM		03310300	Y	TIER 2

**Prerequisite:** U.S. History

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

## ECONOMICS DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64510D00	ECONOMICS DC	0.5	09 - 12	SM	D	03310300	Y	TIER 1

**Prerequisite:** Lone Star Acceptance

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

# Willis High School Course Catalog for 2019-2020

**Department:** English Language Arts

**Program:** Advanced Placement (AP) courses

## ENGLISH 3 AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310A00	ENG 3 AP	1	09 - 12	YR	P	A3220100	Y	TIER 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 4 AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410A00	ENG 4 AP	1	09 - 12	YR	P	A3220200	Y	TIER 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 2019-2020

**Department: English Language Arts**

**Program: ELA/R - Additional High School Courses**

## CREATE/IMAG WRITE

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66500000	CR/IMAG WRITE	1	09 - 12	YR		03221200	Y	TIER 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.

## ESL READ 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61160E00	ESL READ 1	1	09 - 12	YR		03270700	N	TIER 2

**Prerequisite:** LPAC approval

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

## ESL READ 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61260E00	ESL READ 2	1	09 - 12	YR		03270800	N	TIER 2

**Prerequisite:** LPAC approval

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

## ESL READ 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61270E00	ESL READ 3	1	09 - 12	YR		03270900	N	TIER 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 2019-2020

**Department: English Language Arts**

**Program: ELA/R - Additional High School Courses**

## HEBREW & NT

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66560000	IND STDY OT&NT	1	09 - 12	YR		03221850	N	TIER 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.

## IND ST JOURNAL 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66530000	IND ST JOURNAL	1	09 - 12	YR		03231000	N	TIER 2

**Prerequisite:** None

## IND ST JOURNAL 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66540000	IND ST JOURNAL2	1	09 - 12	YR		03231011	N	TIER 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.

## IND STUDY ENG

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61530000	IND STUDY ENG	1	09 - 12	YR		03221800	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: English Language Arts**

**Program: ELA/R - Additional High School Courses**

## JOURN YRBK 1 ADV

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66710000	JOURN YRBK 1	1	09 - 12	YR		03230110	N	TIER 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.

## JOURN YRBK 2 ADV

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66720000	JOURN YRBK 2	1	09 - 12	YR		03230120	N	TIER 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.

## JOURN YRBK 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66740000	JOURN YRBK 3	1	09 - 12	YR		03230130	N	TIER 2

**Prerequisite:** Journalism: Yearbook II

Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/ Literary Magazine communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/ Literary Magazine, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/ Literary Magazine will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

# Willis High School Course Catalog for 2019-2020

**Department: English Language Arts**

**Program: ELA/R - Additional High School Courses**

## JOURNAL NEWS 1 ADV

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66610000	JRN NEWS 1 ADV	1	09 - 12	YR		03230140	N	TIER 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.

## JOURNAL NEWS 2 ADV

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66620000	JRN NEWS 2 ADV	1	09 - 12	YR		03230150	N	TIER 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.

## JOURNAL NEWS 3 ADV

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66630000	JRN NEWS 3 ADV	1	09 - 12	YR		03230160	N	TIER 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

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66520000	JOURNALISM	1	09 - 12	YR		03230100	N	TIER 2

**Prerequisite:** PAP English 1 or 2

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

# Willis High School Course Catalog for 2019-2020

**Department: English Language Arts**

**Program: ELA/R - Additional High School Courses**

## MEDIA LIT JOURN

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66510000	MEDIA LIT JOURN	1	09 - 12	YR		03241401	N	TIER 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.

## PHOTO JOURNALISM

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66730000	PHOTO JOURNAL	1	09 - 12	YR		03230800	N	TIER 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.

## READING 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61600000	READING 1	1	09 - 12	YR		03270700	N	TIER 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.

# ***Willis High School Course Catalog for 2019-2020***

**Department:** *English Language Arts*

**Program:** *ELA/R - Additional High School Courses*

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## **RESEARCH/TECHNICAL WRITING**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>61520000</b>	RSRCH/TW	1	09 - 12	YR		03221100	Y	TIER 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 2019-2020

**Department: English Language Arts**

**Program: English Language Arts**

## ENGLISH 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61110000	ENG 1	1	09 - 12	YR		03220100	Y	TIER 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 1 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61110P00	ENG 1 PAP	1	09 - 12	YR	Q	03220100	Y	TIER 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.

## ENGLISH 1 SOL

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61150E00	ENG 1 SOL	1	09 - 12	YR		03200600	Y	TIER 2

**Prerequisite:** LPAC

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

## ENGLISH 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61210000	ENG 2	1	09 - 12	YR		03220200	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: English Language Arts**

**Program: English Language Arts**

## ENGLISH 2 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61210P00	ENG 2 PAP	1	09 - 12	YR	Q	03220200	Y	TIER 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 2 SOL

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61250E00	ENG 2 SOL	1	09 - 12	YR		03200700	Y	TIER 2

**Prerequisite:**

English II – ESL will be a blocked class for 10th grade students who are learning English as a second language. This class is for English Language learners who are TELPAS composite score is at either the beginner or intermediate level. By taking this class, students will earn their English II credit along with a state elective credit for reading in a sheltered setting. This class will be offered in 90 minute intervals so that teachers have more of an opportunity to scaffold instructions and personalize te learning for their students who struggle due to limited English proficiency.

## ENGLISH 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310000	ENG 3	1	09 - 12	YR		03220300	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: English Language Arts**

**Program: English Language Arts**

## ENGLISH 3 DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310D00	ENG 3 DC	1	09 - 12	YR	D	03220300	Y	TIER 1

**Prerequisite:** English 2 and qualifying placement scores; Textbooks must be purchased by the student each semester

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. Composition and Rhetoric II (ENGL 1302): A multi-paragraph composition course, including language study and the mechanics of writing, with examples from selected readings. A continuation of ENGL 1301, with an emphasis on critical papers, culminating in a term paper or papers. Readings in prose, poetry, and drama. Textbooks must be purchased by the student each semester.

## ENGLISH 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410000	ENG 4	1	09 - 12	YR		03220400	Y	TIER 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 4 DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410D00	ENG 4 DC	1	09 - 12	YR	D	03220400	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Fine Arts**

**Program: Advanced Placement (AP) courses**

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## **ART AP**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67120A00</b>	ART AP	1	09 - 12	YR	P	A3500300	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## APPLIED MUSIC 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67710000	APPLIED MUSIC 1	1	09 - 12	YR		03152500	N	TIER 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.

## APPLIED MUSIC 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67720000	APPLIED MUSIC 2	1	09 - 12	YR		03152600	N	TIER 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.

## ART 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67000000	ART 1	1	09 - 12	YR		03500100	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67040000	ART 2 CERAMICS	1	09 - 12	YR		03500900	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## ART 2 DRAWING

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67010000	ART 2 DRAWING	1	09 - 12	YR		03500500	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67020000	ART 2 PAINTING	1	09 - 12	YR		03500600	N	TIER 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 SCULPTURE

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67030000	ART 2 SCULPTURE	1	09 - 12	YR		03501000	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67080000	ART 3 CERAMICS	1	09 - 12	YR		03501800	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## ART 3 DRAWING

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67050000	ART 3 DRAWING	1	09 - 12	YR		03501300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67060000	ART 3 PAINTING	1	09 - 12	YR		03501400	N	TIER 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 SCULPTURE

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67070000	ART 3 SCULPTURE	1	09 - 12	YR		03501900	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67130000	ART 4 CERAMICS	1	09 - 12	YR		03502700	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## ART 4 DRAWING

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67090000	ART 4 DRAWING	1	09 - 12	YR		03502300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67100000	ART 4 PAINTING	1	09 - 12	YR		03502400	N	TIER 2

**Prerequisite:** Art 3

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

## ART 4 SCULPTURE

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67110000	ART 4 SCULPTURE	1	09 - 12	YR		03502800	N	TIER 2

**Prerequisite:** Art 3

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

## CONCERT BAND 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67410000	CONCERT 1	1	09 - 12	YR		03150100	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67420000	CONCERT 2	1	09 - 12	YR		03150200	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## CONCERT BAND 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67430000	CONCERT 3	1	09 - 12	YR		03150300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67440000	CONCERT 4	1	09 - 12	YR		03150400	N	TIER 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.

## DANCE 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68350000	DANCE 1	1	09 - 12	YR		03830100	N	TIER 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 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68360000	DANCE 2	1	09 - 12	YR		03830200	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## DANCE 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68370000	DANCE 3	1	09 - 12	YR		03830300	N	TIER 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 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68380000	DANCE 4	1	09 - 12	YR		03830400	N	TIER 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 COMPOSITION 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75310000	DANCE COMPOS1	1	09 - 12	YR		03832500	N	TIER 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 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75320000	DANCE COMP 2	1	09 - 12	YR		03832600	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## DANCE COMPOSITION 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75330000	DANCE COMP 3	1	09 - 12	YR		03832700	N	TIER 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.

## DRILL TEAM 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68310000	DRILL TEAM 1	1	09 - 12	YR		03830100	N	TIER 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 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68320000	DRILL TEAM 2	1	09 - 12	YR		03830200	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68330000	DRILL TEAM 3	1	09 - 12	YR		03830300	N	TIER 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 2019-2020

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**Program: Fine Arts**

## DRILL TEAM 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68340000	DRILL TEAM 4	1	09 - 12	YR		03830400	N	TIER 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.

## GUITAR 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68200000	GUITAR 1	1	09 - 12	YR		03154600	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68210000	GUITAR 2	1	09 - 12	YR		03154700	N	TIER 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 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68230000	GUITAR 3	1	09 - 12	YR		03154800	N	TIER 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."

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**Program: Fine Arts**

## GUITAR 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68240000	GUITAR 4	1	09 - 12	YR		03154900	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67610000	JAZZ BAND 1	1	09 - 12	YR		03151300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67620000	JAZZ BAND 2	1	09 - 12	YR		03151400	N	TIER 2

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

## JAZZ BAND 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67630000	JAZZ BAND 3	1	09 - 12	YR		03151500	N	TIER 2

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

## JAZZ BAND 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67640000	JAZZ BAND 4	1	09 - 12	YR		03151600	N	TIER 2

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

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**Program: Fine Arts**

## JV CHOIR 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68010000	JV CHOIR 1	1	09 - 12	YR		03150900	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68020000	JV CHOIR 2	1	09 - 12	YR		03151000	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68030000	JV CHOIR 3	1	09 - 12	YR		03151100	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68040000	JV CHR 4	1	09 - 12	YR		03151200	N	TIER 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.

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**Program: Fine Arts**

## MUSIC APPRECIATION

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67910000	MUSIC APPRECIAT	1	09 - 12	YR		03155600	N	TIER 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.

## MUSIC APPRECIATION DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67910D00	MUSIC APPR DC	1	09 - 12	YR	D	03155600	N	TIER 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 THEORY 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67810000	MUSIC THEORY 1	1	09 - 12	YR		03155400	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67820000	MUSIC THEORY 2	1	09 - 12	YR		03155500	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## SYMPHONIC BAND 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67510000	SYMPHONIC 1	1	09 - 12	YR		03150100	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67520000	SYMPHONIC 2	1	09 - 12	YR		03150200	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67530000	SYMPHONIC 3	1	09 - 12	YR		03150300	N	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67540000	SYMPHONIC 4	1	09 - 12	YR		03150400	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## TH ARTS 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67210000	TH ARTS 1	1	09 - 12	YR		03250100	N	TIER 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.

## TH ARTS 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67220000	TH ARTS 2	1	09 - 12	YR		03250200	N	TIER 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.

## TH ARTS 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67230000	TH ARTS 3	1	09 - 12	YR		03250300	N	TIER 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.

## TH ARTS 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67240000	TH ARTS 4	1	09 - 12	YR		03250400	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## V CHOIR 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68110000	V CHOIR 1	1	09 - 12	YR		03150900	N	TIER 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.

## V CHOIR 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68120000	V CHOIR 2	1	09 - 12	YR		03151000	N	TIER 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.

## V CHOIR 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68130000	V CHOIR 3	1	09 - 12	YR		03151100	N	TIER 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.

## V CHOIR 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68140000	V CHOIR 4	1	09 - 12	YR		03151200	N	TIER 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 2019-2020

**Department: Fine Arts**

**Program: Fine Arts**

## WIND ENSBL 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67310000	WIND ENSBL 1	1	09 - 12	YR		03150100	N	TIER 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 ENSBL 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67320000	WIND ENSBL 2	1	09 - 12	YR		03150200	N	TIER 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 ENSBL 3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67330000	WIND ENSBL 3	1	09 - 12	YR		03150300	N	TIER 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 ENSBL 4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67340000	WIND ENSBL 4	1	09 - 12	YR		03150400	N	TIER 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 2019-2020

**Department: Health**

**Program: Health**

## HEALTH

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66090000	HEALTH	0.5	09 - 12	SM		03810100	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Language Other Than English**

**Program: Advanced Placement (AP) courses**

## GERMAN 4 AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65450A00	GERMAN 4 AP	1	09 - 12	YR	P	A3420100	Y	TIER 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.

## SPANISH 4 AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65410A00	SPANISH 4 AP	1	09 - 12	YR	P	A3440100	Y	TIER 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.

## SPANISH 4 NS AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65420A00	SPANISH 4 NS AP	1	09 - 12	YR	P	A3440100	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65510A00	SPANISH 5 AP	1	09 - 12	YR	P	A3440200	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Language Other Than English**

**Program: Languages Other Than English**

## GERMAN 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65150000	GERMAN 1	1	09 - 12	YR		03420100	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65250000	GERMAN 2	1	09 - 12	YR		03420200	Y	TIER 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 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65250P00	GERMAN 2 PAP	1	09 - 12	YR	Q	03420200	Y	TIER 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 vigor of the classroom.

## GERMAN 3 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65350P00	GERMAN 3 PAP	1	09 - 12	YR	Q	03420300	Y	TIER 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 2019-2020

**Department: Language Other Than English**

**Program: Languages Other Than English**

## SPAN 3 PAP NS

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65320PNO	SPAN 3 PAP NS	1	09 - 12	YR	Q	03440300	Y	TIER 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 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65110000	SPANISH 1	1	09 - 12	YR		03440100	Y	TIER 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 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65210000	SPANISH 2	1	09 - 12	YR		03440200	Y	TIER 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.

## SPANISH 2 NS

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
652100N0	SPANISH 2 NS	1	09 - 12	YR		03440220	Y	TIER 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.

## Willis High School Course Catalog for 2019-2020

**Department: Language Other Than English**

**Program: Languages Other Than English**

### SPANISH 2 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65210P00	SPANISH 2 PAP	1	09 - 12	YR	Q	03440200	Y	TIER 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 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65310P00	SPANISH 3 PAP	1	09 - 12	YR	Q	03440300	Y	TIER 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.



# Willis High School Course Catalog for 2019-2020

**Department: Local Credit**

**Program: Independent Study**

## EARLY RELEASE OLYMPIC TRAINING

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
84640000	ER OLYMPIC TRN	0	09 - 12	YR	L	84200OLY	N	TIER 2

**Prerequisite:**

## GT IND RESEARCH

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66200000	GT IND RESEARCH	1	09 - 12	YR	T	85000GTR	N	TIER 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.

## OFFICE AIDE

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66840000	OFFICE AIDE	1	09 - 12	YR	L	85000AID	N	TIER 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 2019-2020

**Department: Local Credit**

**Program: Languages Other Than English**

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## **German Cultural & Linguistic**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65170000	GERCLT	1	09 - 12	YR	L	84600GRM	N	TIER 2

**Prerequisite:**

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## **Spanish Cultural & Linguistic**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65120000	SPANCLT	1	09 - 12	YR	L	84600SPN	N	TIER 2

**Prerequisite:**

# Willis High School Course Catalog for 2019-2020

**Department: Local Credit**

**Program: Mathematics**

## MATH LAB

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62600000	MATH LAB	1	09 - 12	YR	L	84100M12	N	TIER 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.

## PRE ALGEBRA

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62090000	PRE ALG	1	09 - 12	YR	L	84100M09	N	TIER 3

**Prerequisite:** Administrative Approval

Within a well-balanced mathematics curriculum, the primary focal points for Pre-Algebra are using basic principles of algebra to analyze and represent both proportional and non-proportional linear relationships and using probability to describe data and make predictions, build a foundation of basic understandings in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; measurement; and probability and statistics. Students use concepts, algorithms, and properties of rational numbers to explore mathematical relationships and to describe increasingly complex situations. Students use algebraic thinking to describe how a change in one quantity in a relationship results in a change in the other; and they connect verbal, numeric, graphic, and symbolic representations of relationships. Students use geometric properties and relationships, as well as spatial reasoning, to model and analyze situations and solve problems. Students use appropriate statistics, representations of data, reasoning, and concepts of probability to draw conclusions, evaluate arguments, and make recommendations. Problem solving in meaningful contexts, language and communication, connections within and outside mathematics, and formal and informal reasoning underlie all content areas in mathematics. This course is offered for Local Credit.

# Willis High School Course Catalog for 2019-2020

**Department: Local Credit**

**Program: Physical Education**

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## **ATHLETIC TRAINER**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75510000</b>	ATH TRAINER	1	09 - 12	YR	L	85000TR2	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Mathematics**

**Program: Advanced Placement (AP) courses**

## CALCULUS AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62450A00	CALCULUS AP	1	09 - 12	YR	P	A3100101	Y	TIER 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. Check for a list of approved calculators from the AP Central website.

## STATISTICS AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62470A00	STATISTICS AP	1	09 - 12	YR	P	A3100200	Y	TIER 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. Check for a list of approved calculators from the AP Central website.

# Willis High School Course Catalog for 2019-2020

**Department: Mathematics**

**Program: Mathematics**

## ADVANCED QUANTITATIVE REASONING

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62410000	ADV QUAN	1	09 - 12	YR		03102510	Y	TIER 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 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62110000	ALG 1	1	09 - 12	YR		03100500	Y	TIER 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 1 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62110P00	ALG 1 PAP	1	09	YR	Q	03100500	Y	TIER 1

**Prerequisite:**

This course 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. This honors course involves extended thinking skills and applications including required projects. This course is recommended for college bound students. A graphing calculator is strongly recommended.

## ALGEBRA 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62310000	ALG 2	1	09 - 12	YR		03100600	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Mathematics**

**Program: Mathematics**

## ALGEBRA 2 PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62310P00	ALG 2 PAP	1	09 - 12	YR	Q	03100600	Y	TIER 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.

## CALCULUS DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62460D00	CALCULUS DC	1	09 - 12	YR	D	03102501	Y	TIER 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.

## COLLEGE ALG DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62120D00	COLLEGE ALG DC	1	09 - 12	YR	D	03102500	Y	TIER 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.

## GEOMETRY

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62210000	GEOMETRY	1	09 - 12	YR		03100700	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Mathematics**

**Program: Mathematics**

## GEOMETRY PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62210P00	GEOMETRY PAP	1	09 - 12	YR	Q	03100700	Y	TIER 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.

## MMWA

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62200000	MMWA	1	09 - 12	YR		03102400	Y	TIER 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.

## PRECAL DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62430D00	PRECAL DC	1	09 - 12	YR	D	03101100	Y	TIER 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 2019-2020

**Department: Mathematics**

**Program: Mathematics**

## **PRECAL PAP**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62430P00</b>	PRECAL PAP	1	09 - 12	YR	Q	03101100	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Other Electives**

**Program: Driver Education**

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## **DRIVERS ED**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>66800000</b>	DRIVERS ED	0.5	09 - 12	SM		03000100	N	TIER 2

**Prerequisite:** 15 years old by January/ \$375 course 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 2019-2020 school year the fee was \$375, but that is subject to change each year.

# Willis High School Course Catalog for 2019-2020

**Department: Other Electives**

**Program: Innovative Courses**

## SPORTS MEDICINE 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75550000	SPORTS MED 1	1	09 - 12	YR	X	N1150040	N	TIER 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 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75560000	SPORTS MED 2	1	09 - 12	YR	X	N1150041	N	TIER 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.

## TEEN LEADERSHIP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66810000	TEEN LEADERSHIP	0.5	09 - 12	SM	X	N1290012	N	TIER 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 2019-2020

**Department:** Physical Education or equivalent

**Program:** Physical Education

## AEROBIC ACTIVITIES

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75020000</b>	AEROBIC ACT	1	09 - 12	YR		PES00054	N	TIER 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.

## BASEBALL Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80130000</b>	BASEBALL Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BASEBALL Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80140000</b>	BASEBALL Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BASEBALL Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80150000</b>	BASEBALL Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BASEBALL Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80160000</b>	BASEBALL Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department:** Physical Education or equivalent

**Program:** Physical Education

## BOYS BASKETBALL Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80050000	BOYS BBALL Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS BASKETBALL Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80060000	BOYS BBALL Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS BASKETBALL Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80070000	BOYS BBALL Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS BASKETBALL Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80080000	BOYS BBALL Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS GOLF Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80170000	BOYS GOLF Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department: Physical Education or equivalent**

**Program: Physical Education**

## BOYS GOLF Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80180000	BOYS GOLF Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS GOLF Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80190000	BOYS GOLF Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS GOLF Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80200000	BOYS GOLF Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS SOCCER Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80090000	BOYS SOCCER Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS SOCCER Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80100000	BOYS SOCCER Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department: Physical Education or equivalent**

**Program: Physical Education**

## BOYS SOCCER Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80110000	BOYS SOCCER Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS SOCCER Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80120000	BOYS SOCCER Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## CROSS COUNTRY Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82050000	CROSSCOUNTRY Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## CROSS COUNTRY Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82060000	CROSSCOUNTRY Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## CROSS COUNTRY Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82070000	CROSSCOUNTRY Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department: Physical Education or equivalent**

**Program: Physical Education**

## CROSS COUNTRY Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82080000	CROSSCOUNTRY Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## FOOTBALL Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80010000	FOOTBALL Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## FOOTBALL Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80020000	FOOTBALL Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## FOOTBALL Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80030000	FOOTBALL Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## FOOTBALL Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80040000	FOOTBALL Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport



# Willis High School Course Catalog for 2019-2020

**Department:** Physical Education or equivalent

**Program:** Physical Education

## GIRLS BASKETBALL Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81050000</b>	GIRLS BBALL Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS BASKETBALL Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81060000</b>	GIRLS BBALL Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS BASKETBALL Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81070000</b>	GIRLS BBALL Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS BASKETBALL Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81080000</b>	GIRLS BBALL Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS GOLF Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81170000</b>	GIRLS GOLF Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department: Physical Education or equivalent**

**Program: Physical Education**

## GIRLS GOLF Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81180000</b>	GIRLS GOLF Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS GOLF Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81190000</b>	GIRLS GOLF Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS GOLF Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81200000</b>	GIRLS GOLF Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS SOCCER Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81090000</b>	GIRLS SOCCER Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS SOCCER Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81100000</b>	GIRLS SOCCER Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department:** Physical Education or equivalent

**Program:** Physical Education

## GIRLS SOCCER Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81110000	GIRLS SOCCER Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS SOCCER Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81120000	GIRLS SOCCER Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## INDIVIDUAL & TEAM SPORT

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75010000	IND & TEAM SPRT	1	09 - 12	YR		PES00055	N	TIER 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.

## PERSONAL FITNESS

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75000000	PERSONAL FIT	1	09 - 12	YR		PES00052	N	TIER 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.

## SOFTBALL Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81130000	SOFTBALL Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department:** Physical Education or equivalent

**Program:** Physical Education

## SOFTBALL Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81140000	SOFTBALL Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## SOFTBALL Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81150000	SOFTBALL Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## SOFTBALL Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81160000	SOFTBALL Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## TENNIS Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82010000	TENNIS Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## TENNIS Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82020000	TENNIS Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department: Physical Education or equivalent**

**Program: Physical Education**

## TENNIS Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82030000</b>	TENNIS Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## TENNIS Y4

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82040000</b>	TENNIS Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## VOLLEYBALL Y1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81010000</b>	VOLLEYBALL Y1	1	09 - 12	YR		PES00000	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## VOLLEYBALL Y2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81020000</b>	VOLLEYBALL Y2	1	09 - 12	YR		PES00001	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## VOLLEYBALL Y3

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81030000</b>	VOLLEYBALL Y3	1	09 - 12	YR		PES00002	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department:** Physical Education or equivalent

**Program:** Physical Education

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## **VOLLEYBALL Y4**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81040000</b>	VOLLEYBALL Y4	1	09 - 12	YR		PES00003	N	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2019-2020

**Department: Science**

**Program: Advanced Placement (AP) courses**

## BIOLOGY AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110A00	BIOLOGY AP	1	09 - 12	YR	P	A3010200	Y	TIER 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.

## CHEMISTRY AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310A00	CHEM AP	1	09 - 12	YR	P	A3040000	Y	TIER 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.

## PHYSICS AP2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63530A00	PHYSICS AP2	1	09 - 12	YR	P	A3050004	Y	TIER 1

**Prerequisite:** Physics and Pre-Cal or concurrent & AP Requirements

In Physics 2, students develop a deep understanding of foundational principles of physics in classical mechanics and modern physics by applying these principles to complex physical situations that combine multiple aspects of physics rather than present concepts in isolation. Students will discuss, confer, and debate with classmates to explain a physical phenomenon investigated in class and design and conduct inquiry-based laboratory investigations to solve problems through first-hand observations, data collection, analysis and interpretation.

# Willis High School Course Catalog for 2019-2020

**Department:** Science

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

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## BIOLOGY DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>63110D0C</b>	BIOLOGY DC	1	09 - 12	YR	D	13037200	Y	TIER 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 2019-2020

**Department: Science**

**Program: Science**

## AQUATIC SCIENCE

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63620000	AQUATIC SCIENCE	1	09 - 12	YR		03030000	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63630000	ASTRONOMY	1	09 - 12	YR		03060100	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110000	BIOLOGY	1	09 - 12	YR		03010200	Y	TIER 2

**Prerequisite:** None

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

## BIOLOGY PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110P00	BIOLOGY PAP	1	09 - 12	YR	Q	03010200	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310000	CHEM	1	09 - 12	YR		03040000	Y	TIER 2

**Prerequisite:** Biology

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

# Willis High School Course Catalog for 2019-2020

**Department: Science**

**Program: Science**

## CHEMISTRY PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310P00	CHEM PAP	1	09 - 12	YR	Q	03040000	Y	TIER 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 & SPACE

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63640000	EARTH & SPACE	1	09 - 12	YR		03060200	Y	TIER 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.

## ENVIR SYS

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63610000	ENVIRSYS	1	09 - 12	YR		03020000	Y	TIER 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.

## IPC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63210000	IPC	1	09 - 12	YR		03060201	Y	TIER 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	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63420000	PHYSICS	1	09 - 12	YR		03050000	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department:** Science

**Program:** Science

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## PHYSICS PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>63420P00</b>	PHYSICS PAP	1	09 - 12	YR	Q	03050000	Y	TIER 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 2019-2020

**Department: Social Studies**

**Program: Advanced Placement (AP) courses**

## GOVERNMENT AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64410A00</b>	GOVT AP	0.5	09 - 12	SM	P	A3330100	Y	TIER 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.

## US HISTORY AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64310A00</b>	US HIST AP	1	09 - 12	YR	P	A3340100	Y	TIER 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.

## W HISTORY AP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64230A00</b>	W HIST AP	1	09 - 12	YR	P	A3370100	Y	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Social Studies**

**Program: Social Studies**

## GOVERNMENT

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64410000	GOVT	0.5	09 - 12	SM		03330100	Y	TIER 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.

## GOVERNMENT DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6441AD00	GOVT DC	0.5	09 - 12	SM	D	03330100	Y	TIER 1

**Prerequisite:**

## PSYCHOLOGY

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64620000	PSYCHOLOGY	0.5	09 - 12	SM		03350100	N	TIER 2

**Prerequisite:** None

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

## PSYCHOLOGY DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64620D00	PSYCHOLOGY DC	0.5	09 - 12	SM	D	03350100	N	TIER 1

**Prerequisite:** Lone Star Acceptance

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

## SOCIOLOGY

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64610000	SOCIOLGY	0.5	09 - 12	SM		03370100	N	TIER 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.

# Willis High School Course Catalog for 2019-2020

**Department: Social Studies**

**Program: Social Studies**

## SP TOPICS SS\_1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64350000	STSS_1	0.5	09 - 12	SM		03380002	N	TIER 2

**Prerequisite:** None

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

## SP TOPICS SS\_2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64360000	STSS_2	0.5	09 - 12	SM		03380022	N	TIER 2

**Prerequisite:** None

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

## US HISTORY

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64310000	U S HIST	1	09 - 12	YR		03340100	Y	TIER 2

**Prerequisite:** World History

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

## US HISTORY DC

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64310D00	US HIST DC	1	09 - 12	YR	D	03340100	Y	TIER 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.

## W GEOGRAPHY

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64110000	W GEO	1	09 - 12	YR		03320100	Y	TIER 2

**Prerequisite:** None

A study of people, places, and environments.

# Willis High School Course Catalog for 2019-2020

**Department:** Social Studies

**Program:** Social Studies

## W GEOGRAPHY PAP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64110P00	W GEO PAP	1	09 - 12	YR	Q	03320100	Y	TIER 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.

## W HISTORY

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64210000	W HIST	1	09 - 12	YR		03340400	Y	TIER 2

**Prerequisite:** World Geography

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

# Willis High School Course Catalog for 2019-2020

**Department:** Speech

**Program:** ELA/R - Additional High School Courses

## COMMUN APP

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66100000	COMMUN APP	0.5	09 - 12	SM		03241400	N	TIER 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 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66130000	DEBATE 1	1	09 - 12	YR		03240600	N	TIER 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 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66140000	DEBATE 2	1	09 - 12	YR		03240700	N	TIER 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 1

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66110000	PUBLIC SPEAK 1	1	09 - 12	YR		03240900	N	TIER 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 2019-2020

**Department:** Speech

**Program:** ELA/R - Additional High School Courses

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## **PUBLIC SPEAKING 2**

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>66120000</b>	PUBLIC SPEAK 2	1	09 - 12	YR		03241000	N	TIER 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 2019-2020

**Department: Tech Applications**

**Program: Technology Applications**

## 3D MODELING & ANIMATION

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>72020000</b>	3D MODEL ANIMAT	1	09 - 12	YR		03580510	N	TIER 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 2

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>72030000</b>	COMPUTER SCI 2	1	09 - 12	YR		03580300	N	TIER 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.

## DISCRETE MATHEMATICS

Course Number	Abbreviation	Number of Credits	Preferred Grade(s)	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>72010000</b>	DISCRETE MATH	1	09 - 12	YR		03580370	Y	TIER 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.

# ***Appendix for 2019-2020***

## **AIR FORCE JROTC**

### ***Aerospace Science and Leadership***

JROTC 1 - 68410000  
JROTC 2 - 68420000  
JROTC 3 - 68430000  
JROTC 4 - 68440000  
JROTC CADET HONORS PROJECT - 68450000  
JROTC CADET LEADERSHIP - 68460000

## **Career and Technical Education**

### ***CTE-Agriculture, Food, and Natural Resources***

Advanced Animal Science - 7016000C  
Agricultural Mechanics and Metal Technologies - 7011000C  
Agricultural Power Systems - 7012000C  
Agricultural Structures Design and Fabrication - 7013000C  
Equine Science - 7014000C  
Floral Design - 7023000C  
Forestry and Woodland Ecosystems - 7190000C  
Greenhouse Operation and Production - 7028000C  
Horticultural Science - 7022000C  
Landscape Design and Management - 7185000C  
Mathematical Applications in Agriculture, Food, and Natural Resources - 7010000C  
Oil and Gas Production I - 7170000C  
Oil and Gas Production II - 7171000C  
Practicum in Agriculture, Food, and Natural Resources (First Time Taken) - 7027000C  
Principles of Agriculture, Food, and Natural Resources - 7009000C  
Range Ecology and Management - 7020000C  
Small Animal Management - 7015000C  
Turf Grass Management - 7180000C  
Veterinary Medical Applications - 7017000C  
Wildlife, Fisheries and Ecology Management - 7018000C

### ***CTE-Architecture and Construction***

Construction Technology I - 7032000C  
Construction Technology II - 7033000C  
Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I - 7037000C  
Interior Design I - 7035000C  
Interior Design II - 7036000C

## ***Appendix for 2019-2020***

Practicum in Construction Technology (First Time Taken) - 7029000C

Principles of Architecture - 7031000C

Principles of Construction - 7030000C

### ***CTE-Arts, A/V Technology, and Communications***

Audio/Video Production I - 7005000C

Audio/Video Production I/Audio/Video Production I Lab - 700500PC

Audio/Video Production II - 7006000C

Audio/Video Production II/Audio/Video Production II Lab - 700600PC

Commercial Photography I - 7007000C

Commercial Photography I/Commercial Photography I Lab - 700700PC

Commercial Photography II - 7008000C

Commercial Photography II/Commercial Photography II Lab - 700800PC

Digital Audio Technology I - 7001000C

Digital Audio Technology II - 6999000C

Fashion Design I - 7003000C

Fashion Design I/Fashion Design I Lab - 700300PC

Fashion Design II - 7004000C

Fashion Design II/Fashion Design II Lab - 700400PC

Practicum in Audio/Video Production (First Time Taken) - 7038000C

Principles of Arts, Audio/Video Technology, and Communications - 7002000C

Printing and Imaging Technology I - 7000000C

Printing and Imaging Technology I/Printing and Imaging Technology Lab - 700000PC

Printing and Imaging Technology II - 6998000C

Printing and Imaging Technology II/Printing and Imaging Technology II Lab - 699800PC

Video Game Design - 7074000C

### ***CTE-Business Management and Administration***

Business English - 7080000C

Business Information Management I - 7082000C

Business Information Management II - 7085000C

Business Law - 7083000C

Business Management - 7086000C

Principles of Business, Marketing, and Finance - 7081000C

Touch System Data Entry - 7079000C

Virtual Business - 7084000C

### ***CTE-Education and Training***

Human Growth and Development - 7133000C

## ***Appendix for 2019-2020***

Instructional Practices - 7132000C

Principles of Education and Training - 7131000C

### ***CTE-Finance***

Accounting I - 7092000C

Accounting II - 7093000C

Financial Mathematics - 7095000C

Money Matters - 7096000C

Statistics and Business Decision Making - 7094000C

### ***CTE-Health Science***

Anatomy and Physiology - 7106000C

Health Science Theory/Health Science Clinical - 710200PC

Pharmacology - 7107000C

Practicum in Health Science (First Time Taken) - 7105000C

Practicum in Health Science (Second Time Taken) - 7103000C

Practicum in Health Science/Extended Practicum in Health Science (First Time Taken) - 710500PC

Principles of Health Science - 7101000C

### ***CTE-High School***

Career Preparation I - 7150000C

Career Preparation II - 7151000C

### ***CTE-Hospitality and Tourism***

Advanced Culinary Arts - 7053000C

Culinary Arts - 7051000C

Food Science - 7054000C

Introduction to Culinary Arts - 7052000C

Principles of Hospitality and Tourism - 7050000C

### ***CTE-Human Services***

Child Development - 7112000C

Child Guidance - 7113000C

Cosmetology I - 7161000C

Cosmetology I/Cosmetology I Lab - 716100PC

Cosmetology II - 7162000C

Cosmetology II/Cosmetology II Lab - 716200PC

Counseling and Mental Health - 7108000C

Dollars and Sense - 7097000C

Interpersonal Studies - 7115000C

Introduction to Cosmetology - 7160000C

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Lifetime Nutrition and Wellness - 7114000C

Principles of Cosmetology Design and Color Theory - 7163000C

Principles of Human Services - 7111000C

### ***CTE-Information Technology***

Computer Maintenance - 7042000C

Computer Programming I - 7049000C

Computer Science I - 7200000C

Computer Technician Practicum (First Time Taken) - 7047000C

Digital Media - 7046000C

Internetworking Technologies I (Cisco) - 7043000C

Internetworking Technologies II (Cisco) - 7044000C

Principles of Information Technology - 7041000C

Web Technologies - 7045000C

### ***CTE-Law, Public Safety, Corrections, and Security***

Forensic Science - 7121000C

Law Enforcement I - 7122000C

Law Enforcement II - 7123000C

Practicum in Law, Public Safety, Corrections, and Security (First Time Taken) - 7124000C

Practicum in Law, Public Safety, Corrections, and Security/Extended - 7125000C

Principles of Law, Public Safety, Corrections, and Security - 7120000C

### ***CTE-Manufacturing***

Metal Fabrication and Machining I - 7064000C

Metal Fabrication and Machining II - 7067D00C

Practicum in Manufacturing (First Time Taken) - 7065D00C

Principles of Manufacturing - 7061000C

Welding I - 7062000C

Welding II - 7063000C

### ***CTE-Marketing***

Advanced Marketing - 7089000C

Advertising - 7088000C

Entrepreneurship - 7087000C

Fashion Marketing - 7205000C

Fundamentals of Real Estate - 7098000C

Practicum in Marketing (First Time Taken) - 7091000C

Social Media Marketing - 7204000C

Sports and Entertainment Marketing - 7090000C

## ***Appendix for 2019-2020***

### ***CTE-Science, Technology, Engineering, and Mathematics***

Engineering Design and Presentation I - 7071000C

Engineering Design and Presentation II - 7070000C

Principles of Technology - 7072000C

Robotics I - 7073000C

Robotics II - 7075000C

### ***CTE-Transportation, Distribution, and Logistics***

Aircraft Airframe Technology - 714200JC

Aircraft Powerplant Technology - 714300JC

Automotive Basics - 7139000C

Automotive Technology I: Maintenance and Light Repair - 7140000C

Automotive Technology II: Automotive Service - 7141000C

Practicum in Transportation Systems (First Time Taken) - 7137000C

Principles of Transportation Systems - 7138000C

### **Economics / Free Enterprise**

#### ***Advanced Placement (AP) courses***

ECONOMICS AP - 64510A00

#### ***Economics***

ECONOMICS - 64510000

ECONOMICS DC - 64510D00

### **English Language Arts**

#### ***Advanced Placement (AP) courses***

ENGLISH 3 AP - 61310A00

ENGLISH 4 AP - 61410A00

#### ***ELA/R - Additional High School Courses***

CREATE/IMAG WRITE - 66500000

ESL READ 1 - 61160E00

ESL READ 2 - 61260E00

ESL READ 3 - 61270E00

HEBREW & NT - 66560000

IND ST JOURNAL 1 - 66530000

IND ST JOURNAL 2 - 66540000

IND STUDY ENG - 61530000

JOURN YRBK 1 ADV - 66710000

JOURN YRBK 2 ADV - 66720000

JOURN YRBK 3 - 66740000

## ***Appendix for 2019-2020***

JOURNAL NEWS 1 ADV - 66610000  
JOURNAL NEWS 2 ADV - 66620000  
JOURNAL NEWS 3 ADV - 66630000  
JOURNALISM - 66520000  
MEDIA LIT JOURN - 66510000  
PHOTO JOURNALISM - 66730000  
READING 1 - 61600000  
RESEARCH/TECHNICAL WRITING - 61520000

### ***English Language Arts***

ENGLISH 1 - 61110000  
ENGLISH 1 PAP - 61110P00  
ENGLISH 1 SOL - 61150E00  
ENGLISH 2 - 61210000  
ENGLISH 2 PAP - 61210P00  
ENGLISH 2 SOL - 61250E00  
ENGLISH 3 - 61310000  
ENGLISH 3 DC - 61310D00  
ENGLISH 4 - 61410000  
ENGLISH 4 DC - 61410D00

### **Fine Arts**

#### ***Advanced Placement (AP) courses***

ART AP - 67120A00

#### ***Fine Arts***

APPLIED MUSIC 1 - 67710000  
APPLIED MUSIC 2 - 67720000  
ART 1 - 67000000  
ART 2 CERAMICS - 67040000  
ART 2 DRAWING - 67010000  
ART 2 PAINTING - 67020000  
ART 2 SCULPTURE - 67030000  
ART 3 CERAMICS - 67080000  
ART 3 DRAWING - 67050000  
ART 3 PAINTING - 67060000  
ART 3 SCULPTURE - 67070000  
ART 4 CERAMICS - 67130000  
ART 4 DRAWING - 67090000



## ***Appendix for 2019-2020***

ART 4 PAINTING - 67100000  
ART 4 SCULPTURE - 67110000  
CONCERT BAND 1 - 67410000  
CONCERT BAND 2 - 67420000  
CONCERT BAND 3 - 67430000  
CONCERT BAND 4 - 67440000  
DANCE 1 - 68350000  
DANCE 2 - 68360000  
DANCE 3 - 68370000  
DANCE 4 - 68380000  
DANCE COMPOSITION 1 - 75310000  
DANCE COMPOSITION 2 - 75320000  
DANCE COMPOSITION 3 - 75330000  
DRILL TEAM 1 - 68310000  
DRILL TEAM 2 - 68320000  
DRILL TEAM 3 - 68330000  
DRILL TEAM 4 - 68340000  
GUITAR 1 - 68200000  
GUITAR 2 - 68210000  
GUITAR 3 - 68230000  
GUITAR 4 - 68240000  
JAZZ BAND 1 - 67610000  
JAZZ BAND 2 - 67620000  
JAZZ BAND 3 - 67630000  
JAZZ BAND 4 - 67640000  
JV CHOIR 1 - 68010000  
JV CHOIR 2 - 68020000  
JV CHOIR 3 - 68030000  
JV CHOIR 4 - 68040000  
MUSIC APPRECIATION - 67910000  
MUSIC APPRECIATION DC - 67910D00  
MUSIC THEORY 1 - 67810000  
MUSIC THEORY 2 - 67820000  
SYMPHONIC BAND 1 - 67510000  
SYMPHONIC BAND 2 - 67520000  
SYMPHONIC BAND 3 - 67530000

## ***Appendix for 2019-2020***

SYMPHONIC BAND 4 - 67540000

TH ARTS 1 - 67210000

TH ARTS 2 - 67220000

TH ARTS 3 - 67230000

TH ARTS 4 - 67240000

V CHOIR 1 - 68110000

V CHOIR 2 - 68120000

V CHOIR 3 - 68130000

V CHOIR 4 - 68140000

WIND ENSBL 1 - 67310000

WIND ENSBL 2 - 67320000

WIND ENSBL 3 - 67330000

WIND ENSBL 4 - 67340000

### **Health**

#### ***Health***

HEALTH - 66090000

### **Language Other Than English**

#### ***Advanced Placement (AP) courses***

GERMAN 4 AP - 65450A00

SPANISH 4 AP - 65410A00

SPANISH 4 NS AP - 65420AN0

SPANISH 5 AP - 65510A00

#### ***Languages Other Than English***

GERMAN 1 - 65150000

GERMAN 2 - 65250000

GERMAN 2 PAP - 65250P00

GERMAN 3 PAP - 65350P00

SPAN 3 PAP NS - 65320PN0

SPANISH 1 - 65110000

SPANISH 2 - 65210000

SPANISH 2 NS - 652100N0

SPANISH 2 PAP - 65210P00

SPANISH 3 PAP - 65310P00

### **Local Credit**

#### ***Independent Study***

EARLY RELEASE OLYMPIC TRAINING - 84640000

## ***Appendix for 2019-2020***

GT IND RESEARCH - 66200000

OFFICE AIDE - 66840000

### ***Languages Other Than English***

German Cultural & Linguistic - 65170000

Spanish Cultural & Linguistic - 65120000

### ***Mathematics***

MATH LAB - 62600000

PRE ALGEBRA - 62090000

### ***Physical Education***

ATHLETIC TRAINER - 75510000

### **Mathematics**

#### ***Advanced Placement (AP) courses***

CALCULUS AP - 62450A00

STATISTICS AP - 62470A00

#### ***Mathematics***

ADVANCED QUANTITATIVE REASONING - 62410000

ALGEBRA 1 - 62110000

ALGEBRA 1 PAP - 62110P00

ALGEBRA 2 - 62310000

ALGEBRA 2 PAP - 62310P00

CALCULUS DC - 62460D00

COLLEGE ALG DC - 62120D00

GEOMETRY - 62210000

GEOMETRY PAP - 62210P00

MMWA - 62200000

PRECAL DC - 62430D00

PRECAL PAP - 62430P00

### **Other Electives**

#### ***Driver Education***

DRIVERS ED - 66800000

#### ***Innovative Courses***

SPORTS MEDICINE 1 - 75550000

SPORTS MEDICINE 2 - 75560000

TEEN LEADERSHIP - 66810000

### **Physical Education or equivalent**

#### ***Physical Education***

## ***Appendix for 2019-2020***

AEROBIC ACTIVITIES - 75020000  
BASEBALL Y1 - 80130000  
BASEBALL Y2 - 80140000  
BASEBALL Y3 - 80150000  
BASEBALL Y4 - 80160000  
BOYS BASKETBALL Y1 - 80050000  
BOYS BASKETBALL Y2 - 80060000  
BOYS BASKETBALL Y3 - 80070000  
BOYS BASKETBALL Y4 - 80080000  
BOYS GOLF Y1 - 80170000  
BOYS GOLF Y2 - 80180000  
BOYS GOLF Y3 - 80190000  
BOYS GOLF Y4 - 80200000  
BOYS SOCCER Y1 - 80090000  
BOYS SOCCER Y2 - 80100000  
BOYS SOCCER Y3 - 80110000  
BOYS SOCCER Y4 - 80120000  
CROSS COUNTRY Y1 - 82050000  
CROSS COUNTRY Y2 - 82060000  
CROSS COUNTRY Y3 - 82070000  
CROSS COUNTRY Y4 - 82080000  
FOOTBALL Y1 - 80010000  
FOOTBALL Y2 - 80020000  
FOOTBALL Y3 - 80030000  
FOOTBALL Y4 - 80040000  
GIRLS BASKETBALL Y1 - 81050000  
GIRLS BASKETBALL Y2 - 81060000  
GIRLS BASKETBALL Y3 - 81070000  
GIRLS BASKETBALL Y4 - 81080000  
GIRLS GOLF Y1 - 81170000  
GIRLS GOLF Y2 - 81180000  
GIRLS GOLF Y3 - 81190000  
GIRLS GOLF Y4 - 81200000  
GIRLS SOCCER Y1 - 81090000  
GIRLS SOCCER Y2 - 81100000  
GIRLS SOCCER Y3 - 81110000

## ***Appendix for 2019-2020***

GIRLS SOCCER Y4 - 81120000  
INDIVIDUAL & TEAM SPORT - 75010000  
PERSONAL FITNESS - 75000000  
SOFTBALL Y1 - 81130000  
SOFTBALL Y2 - 81140000  
SOFTBALL Y3 - 81150000  
SOFTBALL Y4 - 81160000  
TENNIS Y1 - 82010000  
TENNIS Y2 - 82020000  
TENNIS Y3 - 82030000  
TENNIS Y4 - 82040000  
VOLLEYBALL Y1 - 81010000  
VOLLEYBALL Y2 - 81020000  
VOLLEYBALL Y3 - 81030000  
VOLLEYBALL Y4 - 81040000

### **Science**

#### ***Advanced Placement (AP) courses***

BIOLOGY AP - 63110A00  
CHEMISTRY AP - 63310A00  
PHYSICS AP2 - 63530A00

#### ***CTE-Science, Technology, Engineering, and Mathematics***

BIOLOGY DC - 63110D0C

### **Science**

AQUATIC SCIENCE - 63620000  
ASTRONOMY - 63630000  
BIOLOGY - 63110000  
BIOLOGY PAP - 63110P00  
CHEMISTRY - 63310000  
CHEMISTRY PAP - 63310P00  
EARTH & SPACE - 63640000  
ENVIR SYS - 63610000  
IPC - 63210000  
PHYSICS - 63420000  
PHYSICS PAP - 63420P00

### **Social Studies**

#### ***Advanced Placement (AP) courses***

## ***Appendix for 2019-2020***

GOVERNMENT AP - 64410A00

US HISTORY AP - 64310A00

W HISTORY AP - 64230A00

### ***Social Studies***

GOVERNMENT - 64410000

GOVERNMENT DC - 6441AD00

PSYCHOLOGY - 64620000

PSYCHOLOGY DC - 64620D00

SOCIOLOGY - 64610000

SP TOPICS SS\_1 - 64350000

SP TOPICS SS\_2 - 64360000

US HISTORY - 64310000

US HISTORY DC - 64310D00

W GEOGRAPHY - 64110000

W GEOGRAPHY PAP - 64110P00

W HISTORY - 64210000

### ***Speech***

#### ***ELA/R - Additional High School Courses***

COMMUN APP - 66100000

DEBATE 1 - 66130000

DEBATE 2 - 66140000

PUBLIC SPEAKING 1 - 66110000

PUBLIC SPEAKING 2 - 66120000

### ***Tech Applications***

#### ***Technology Applications***

3D MODELING & ANIMATION - 72020000

COMPUTER SCIENCE 2 - 72030000

DISCRETE MATHEMATICS - 72010000