



Willis Independent School District

**High School
Course Catalog**
for
2018-2019

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Department: AP-Economics / Free Enterprise

Program:

ECONOMICS AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64510A00	ECO AP	0.5	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 2018-2019

Department: AP-English Language Arts

Program:

ENGLISH 3 AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310A00	ENG 3 AP	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410A00	ENG 4 AP	1	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 2018-2019

Department: AP-Fine Arts

Program:

ART AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67120A00	ART AP	1	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 2018-2019

Department: AP-Language Other Than English

Program:

GERMAN 4 AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65450A00	GERMAN 4 AP	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65410A00	SPAN 4 AP	1	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 5 AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65510A00	SPAN 5 AP	1	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 2018-2019

Department: AP-Mathematics

Program:

CALCULUS AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62450A00	CALC AP	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62470A00	STATISTICS AP	1	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-84 or TI-89 are used extensively. Check for a list of approved calculators from the AP Central website.

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Department: AP-Science

Program:

BIOLOGY AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110A00	BIOLOGY AP	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310A00	CHEM AP	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63530A00	PHYS AP2	1	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 2018-2019

Department: AP-Social Studies

Program:

GOVERNMENT AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64410A00	GOVT AP	0.5	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.

US HISTORY AP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64310A00	US HIST AP	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64230A00	W HIST AP	1	YR	P	A3370100	Y	TIER 1

Prerequisite: AP requirements

An honors level study that explores 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 2018-2019

Department: CTE-Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

Agricultural Structures Design and Fabrication

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7021000C	AG EQUIP	1	YR		13002300	N	TIER 2

Prerequisite: None

Agricultural Power Systems

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7012000C	AG POWER	2	YR		13002400	N	TIER 2

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

This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. (\$25 lab fee required)

Agricultural Structures Design and Fabrication

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7013000C	AGSTR&FB	1	YR		13002300	N	TIER 2

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

Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. (\$25 lab fee required)

Agricultural Mechanics and Metal Technologies

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7011000C	AGMECHMT	1	YR		13002200	N	TIER 2

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

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

Advanced Animal Science

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7016000C	ANSCIADV	1	YR		13000700	Y	TIER 2

Prerequisite: Principles of AFNR; 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.

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Department: CTE-Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

Equine Science

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7014000C	EQUINE S	0.5	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7023000C	FLORALD	1	YR		13001800	N	TIER 2

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

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

Horticultural Science

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7022000C	HORT SCI	1	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.

Mathematical Applications in Agriculture, Food, and Natural Resources

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7010000C	MATH AFN	1	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.

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Department: CTE-Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

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

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7027000C	PRACAFNR	2	YR		13002500	N	TIER 2

Prerequisite: Application; 12th grade only; Application; Completed approved advanced classes in one of the AFNR Pathways

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

Principles of Agriculture, Food, and Natural Resources

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7009000C	PRINAFNR	1	YR		13000200	N	TIER 2

Prerequisite: Must be in grades 9 -11

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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7020000C	RANGE EC	1	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.

Small Animal Management

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7015000C	SM ANIMA	0.5	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.

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Department: CTE-Career and Technical Education

Program: Agriculture, Food, and Natural Resources Cluster

Veterinary Medical Applications

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7017000C	VET APPS	1	YR		13000600	N	TIER 2

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

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

Wildlife, Fisheries and Ecology Management

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7018000C	WILDLIFE	1	YR		13001500	N	TIER 2

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

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

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Department: CTE-Career and Technical Education

Program: Architecture and Construction Cluster

Construction Technology I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7032000C	CONSTTE1	2	YR		13005100	N	TIER 2

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

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

Construction Technology II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7033000C	CONSTCH2	2	YR		13005200	N	TIER 2

Prerequisite: Construction Technology

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

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

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7037000C	HVACREF	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7035000C	INTERDS1	1	YR		13004300	N	TIER 2

Prerequisite: Principles of Architecture and Construction or Architectural Design

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

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Department: CTE-Career and Technical Education

Program: Architecture and Construction Cluster

Interior Design II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7036000C	INTERDS2	2	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 Management (First Time Taken)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7034000C	PRAC-CON	2	YR		13006200	N	TIER 2

Prerequisite: Coherent sequence in Construction Management

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

Principles of Architecture

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7031000C	PRNARCH	1	YR		13004210	N	TIER 2

Prerequisite: None

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

Principles of Construction

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7030000C	PR CONST	1	YR		13004220	N	TIER 2

Prerequisite:

Description Needed

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

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

Audio/Video Production II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7006000C	AV PROD2	1	YR		13008600	N	TIER 2

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

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

Audio/Video Production I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7025000C	A/VPRO2H	2	YR		13008500	N	TIER 2

Prerequisite:

Audio/Video Production II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7024000C	A/V3HADV	3	YR		13008600	N	TIER 2

Prerequisite:

Audio/Video Production I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7005000C	AV PROD1	1	YR		13008500	N	TIER 2

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

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

Commercial Photography I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7007000C	COMPHOT1	1	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. Materials Required: Digital Camera with manual and automatic settings, in regards to aperture and shutter speed

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Department: CTE-Career and Technical Education

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

Commercial Photography II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7008000C	COMPHOT2	1	YR		13009200	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 grade 11 or 12.

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

Digital Audio Technology I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7001000C	DATECH1	1	YR		13009950	N	TIER 2

Prerequisite: None

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

Digital Audio Technology II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6999000C	DATECH2	1	YR		13009960	N	TIER 2

Prerequisite: Radio Broadcasting I

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

Fashion Design I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7003000C	FASHDSN1	1	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. Prerequisite: Principles of Arts, Audio/Video Technology, and Communications.

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

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

Fashion Design II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7004000C	FASHDSN2	1	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.

Practicum in Audio/Video Production (First Time Taken)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7038000C	PRACAVPR	2	YR		13008700	N	TIER 2

Prerequisite: Audio/Video Production II

Description Needed

Principles of Arts, Audio/Video Technology, and Communications

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7002000C	PRINAAVT	1	YR		13008200	N	TIER 2

Prerequisite: Must in grades 9 - 11.

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

Printing and Imaging Technology I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7000000C	PRITECH1	1	YR		13009600	N	TIER 2

Prerequisite: BIM & DIM, Approved application

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

Video Game Design

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7074000C	VID GM D	1	YR		13009970	N	TIER 2

Prerequisite: Business Information Management I

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Business Management and Administration Cluster

Business Information Management I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7082000C	BUSINFO1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7085000C	BUSINFO2	1	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 English

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7080000C	BUS ENGL	1	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 Law

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7083000C	BUSLAW	1	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 2018-2019

Department: CTE-Career and Technical Education

Program: Business Management and Administration Cluster

Business Management

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7086000C	BUSINESS	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7081000C	PRINBMF	1	YR		13011200	N	TIER 2

Prerequisite: None

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

Touch System Data Entry

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7079000C	TSDATAE	0.5	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7084000C	VIRTUAL	0.5	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 2018-2019

Department: CTE-Career and Technical Education

Program: Career Development

Career Preparation I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
715000C	CAREERP1	2	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
715100C	CAREERP2	2	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 2018-2019

Department: CTE-Career and Technical Education

Program: Education and Training Cluster

Human Growth and Development

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7133000C	HUMAN GR	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7132000C	INST PRA	2	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, develop materials for a variety of educational environments.

Principles of Education and Training

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7131000C	PRIN-ED	1	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 2018-2019

Department: CTE-Career and Technical Education

Program: Finance Cluster

Accounting I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7092000C	ACCOUNT1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7093000C	ACCOUNT2	1	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.

Money Matters

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7096000C	MONEYM	1	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.

Statistics and Business Decision Making

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7094000C	STATBUS	1	YR		13016900	Y	TIER 2

Prerequisite: Accounting I and Algebra II

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Health Science Cluster

Anatomy and Physiology

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7106000C	ANTMY-PH	1	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.

Practicum in Health Science (First Time Taken)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7105000C	HS1 CNA	2	YR		13020500	N	TIER 2

Prerequisite: Principles of Health Science and Health Science Theory and Practicum; Approved Application

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

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

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
710500PC	EXTPR HS	1	YR		13020505	N	TIER 2

Prerequisite:

Description Needed

Health Science Theory

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7102000C	HLTHS TH	1	YR		13020400	N	TIER 2

Prerequisite: Principles of Health Science

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

Health Science Theory/Health Science Clinical

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
710200PC	HS CLINC	1	YR		13020410	N	TIER 2

Prerequisite:

Description Needed

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Health Science Cluster

Practicum in Health Science (Second Time Taken)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7103000C	HS2 PHAR	2	YR		13020510	N	TIER 2

Prerequisite: Principles of Health Science and Health Science Theory and Practicum; Approved Application

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

Pharmacology

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7107000C	PHARMACOLOGY	1	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.

Principles of Health Science

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7101000C	PRIN-HEA	1	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 aid. 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 2018-2019

Department: CTE-Career and Technical Education

Program: Hospitality and Tourism Cluster

Advanced Culinary Arts

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7053000C	Adv Cul Arts	2	YR		13022650	N	TIER 2

Prerequisite:

Culinary Arts

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7051000C	CULARTS	2	YR		13022600	N	TIER 2

Prerequisite: Principles of Human Services and Nutrition and Wellness

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

Food Science

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7054000C	Food Sci	1	YR		13023000	N	TIER 2

Prerequisite:

Introduction to Culinary Arts

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7052000C	Intro Culi Art	1	YR		13022550	N	TIER 2

Prerequisite:

Principles of Hospitality and Tourism

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7050000C	Prn of Hosp	1	YR		13022200	N	TIER 2

Prerequisite:

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Human Services Cluster

Child Development

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7112000C	CHILD DE	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7113000C	CHILD GU	2	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7161000C	COSMET 1	2	YR		13025200	N	TIER 2

Prerequisite: Recommended-Introduction to Cosmetology

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 of skills expectations, and development of workplace skills are included. Course to begin August 2018

Cosmetology II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7162000C	COSMET 2	2	YR		13025300	N	TIER 2

Prerequisite: Cosmetology I

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 material; and practical skills. Course to begin August 2018

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Human Services Cluster

Principles of Cosmetology Design and Color Theory

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7163000C	Prin Cos Color	1	YR		13025050	N	TIER 2

Prerequisite:

Interpersonal Studies

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7115000C	INTERSTU	0.5	SM		13024400	N	TIER 2

Prerequisite: Recommended-Principles of Human Services, Principles of Education and Training, or Principles of Health Science

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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7160000C	INTCOSMO	1	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 2018

Lifetime Nutrition and Wellness

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7114000C	LNURTWEL	0.5	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 Human Services

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7111000C	PRIN-HUM	1	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 2018-2019

Department: CTE-Career and Technical Education

Program: Information Technology Cluster

Computer Maintenance

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7042000C	COMP MAI	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7049000C	COMPROG1	1	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 Technician Practicum (First Time Taken)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7047000C	COMPTECP	2	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7046000C	DIGITALM	1	YR		13027800	N	TIER 2

Prerequisite: Business Information Management I

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Information Technology Cluster

Internetworking Technologies I (Cisco)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7043000C	INTRNTWK	2	YR		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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7044000C	INTRNTWK	2	YR		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.

Principles of Information Technology

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7041000C	PRIN-INF	1	YR		13027200	N	TIER 2

Prerequisite: BIM 1

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

Web Technologies

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7045000C	WEB TECH	1	YR		13027900	N	TIER 2

Prerequisite: Principles of InformationTechnology

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

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

Forensic Science

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7121000C	FORENSIC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7122000C	LAWENF 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7123000C	LAWENF 2	1	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. Students will need to fill out an application in order to be considered for this class.

Practicum in Law, Public Safety, Corrections, and Security (First TimeTaken)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7124000C	PRACLPCS	2	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. Students will need to fill out an application in order to be considered for this class and must have transportation. Must be available as needed after regular school hours for extended field learning experiences.

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

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

Principles of Law, Public Safety, Corrections, and Security

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7120000C	PRINLPSC	1	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 2018-2019

Department: CTE-Career and Technical Education

Program: Manufacturing Cluster

Metal Fabrication and Machining I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7064000C	METALFM1	2	YR		13032700	N	TIER 2

Prerequisite: Advanced Welding

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

Metal Fabrication and Machining II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7067D00C	METALFM2	2	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7065D00C	PRAC MAN	2	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7061000C	PRIN-MAN	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7062000C	WELD 1	2	YR		13032300	N	TIER 2

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

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Manufacturing Cluster

Welding II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7063000C	WELD 2	2	YR		13032400	N	TIER 2

Prerequisite: Welding

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Marketing Cluster

Advanced Marketing

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7089000C	ADV MRKT	2	YR		13034700	N	TIER 2

Prerequisite: Principles of Business, Marketing, and Finance

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

Advertising

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7088000C	ADVERTIS	0.5	SM		13034200	N	TIER 2

Prerequisite: Principles of Business, Marketing, and Finance

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

Entrepreneurship

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7087000C	ENTREPRE	1	YR		13034400	N	TIER 2

Prerequisite: Principles of Business, Marketing, and Finance

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

Practicum in Marketing (First Time Taken)

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7091000C	PRAC MKT	2	YR		13034800	N	TIER 2

Prerequisite: Marketing Dynamics

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Marketing Cluster

Sports and Entertainment Marketing

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7090000C	SP/ENTER	0.5	SM		13034600	N	TIER 2

Prerequisite: Principles of Business, Marketing, and Finance

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

Engineering Design and Presentation II

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
707000C	ENGDPADV	2	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.

Engineering Design and Presentation I

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7071000C	ENGNEER	1	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.

Principles of Technology

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7072000C	PRINTECH	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7073000C	ROBOTIC1	1	YR		13037000	N	TIER 2

Prerequisite: Application

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

Willis High School Course Catalog for 2018-2019

Department: CTE-Career and Technical Education

Program: Transportation, Distribution, and Logistics Cluster

Automotive Basics

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7139000C	Auto Basics	1	YR		13039550	N	TIER 2

Prerequisite:

Principles of Transportation Systems

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7138000C	Prin Trans Sys	1	YR		13039250	N	TIER 2

Prerequisite:

Willis High School Course Catalog for 2018-2019

Department: DC-Career and Technical Education

Program: Science, Technology, Engineering, and Mathematics Cluster

BIOLOGY DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110D0C	BIOLOGY DC	1	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 2018-2019

Department: DC-Economics / Free Enterprise

Program:

ECONOMICS DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64510D00	ECO DC	0.5	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 2018-2019

Department: DC-English Language Arts

Program:

ENGLISH 3 DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310D00	ENG 3 DC	1	YR	D	03220300	Y	TIER 1

Prerequisite: English 2 and qualifying placement scores

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

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 DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410D00	ENG 4 DC	1	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 2018-2019

Department: DC-Fine Arts

Program:

MUSIC APPR DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67910D00	MUS APPR DC	1	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.

Willis High School Course Catalog for 2018-2019

Department: DC-Mathematics

Program:

CALCULUS DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62460D00	CALC DC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62120D00	COLLEGE ALG DC	1	YR		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

PRECAL DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62430D00	PCAL DC	1	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 2018-2019

Department: DC-Social Studies

Program:

GOVERNMENT DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6441AD00	GOVT DC	0.5	SM	D	03330100	Y	TIER 1

Prerequisite: Qualifying placement scores

A survey of the Federal government including such topics such as the US Constitution; democratic theory; federalism; political culture, political socialization and public opinion; political participation and electoral behavior; political parties and interest groups; press; Presidency, the Congress and the Courts; the role played by the Bureaucracy, Social policy, Economic policy, and the dynamic nature of American Foreign Policy. These phenomena are examined at the national levels with an emphasis placed on linkages with the formulation of 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.

PSYCHOLOGY DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64620D00	PSYCH DC	0.5	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.

SS ADV GOVT DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6441BD00	SS ADV	0.5	SM		03380001	Y	TIER 1

Prerequisite: Qualifying placement scores

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

US HISTORY DC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64310D00	US HIST DC	1	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.

Willis High School Course Catalog for 2018-2019

Department: ECFE-Economics / Free Enterprise

Program:

ECONOMICS

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64510000	ECONOMIC	0.5	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.

Willis High School Course Catalog for 2018-2019

Department: ELA-English Language Arts

Program:

CR/IMAG WRITE

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66500000	CREAT WR	1	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.

ENGLISH 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61110000	ENG 1	1	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 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61210000	ENG 2	1	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.

ENGLISH 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310000	ENG 3	1	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 2018-2019

Department: ELA-English Language Arts

Program:

ENGLISH 4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410000	ENG 4	1	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.

ESL 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61150E00	ESL 1	1	YR		03200600	Y	TIER 2

Prerequisite: LPAC

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

ESL READ 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61160E00	ESL READ 1	1	YR		03270700	N	TIER 2

Prerequisite: LPAC

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

ESL READ 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61260E00	ESL READ 2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61270E00	ESL READ 3	1	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 2018-2019

Department: ELA-English Language Arts

Program:

HEBREW & NT

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66560000	IS OT&NT	1	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 JOURNAL1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66530000	IND JOURNAL 1	1	YR		03231000	N	TIER 2

Prerequisite: None

IND ST JOURNAL2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66540000	IND JOURNAL 2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61530000	INDS ENG	1	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 2018-2019

Department: ELA-English Language Arts

Program:

JOURNALISM

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66520000	JOURNALISM	1	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.

JOUR-NEWS1 ADV

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66610000	JRNNEWS1	1	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

JOUR-NEWS2 ADV

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66620000	JRNNEWS2	1	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.

JOUR-NEWS3 ADV

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66630000	JRNNEWS3	1	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.

Willis High School Course Catalog for 2018-2019

Department: ELA-English Language Arts

Program:

JOUR-YBK 1 ADV

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66710000	JRN YBK1	1	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.

JOUR-YBK 2 ADV

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66720000	JRN YBK2	1	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.

JOUR-YBK 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66740000	JRN YBK3	1	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 2018-2019

Department: ELA-English Language Arts

Program:

MEDIA LIT JOURN

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66510000	MEDIA LI	1	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

PHOTOJOURNALISM

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66730000	PHOTO JR	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61600000	READING 1	1	YR		03270700	N	TIER 2

Prerequisite:

Reading I 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 2018-2019

Department: ELA-English Language Arts

Program:

RESEARCH\\TECH W

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61520000	RSRCH/TW	1	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 2018-2019

Department: EL-Other Electives

Program:

AVID 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
90130000	AVID 1	1	YR		N1290001	N	TIER 2

Prerequisite: None

AVID 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
90140000	AVID 2	1	YR		N1290002	N	TIER 2

Prerequisite: None

AVID 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
90150000	AVID 3	1	YR		N1290030	N	TIER 2

Prerequisite: None

DRIVER ED

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66800000	DRIVR ED	0.5	SM		03000100	N	TIER 2

Prerequisite: 15 years old by January and a lab fee

This is a one-semester course, which is offered for .5 credit. The course consists of a minimum of 80 clock hours covering the essential elements in the Texas Administrative Code and consisting of a minimum of 56 hours of driver education classroom instruction, a minimum of seven hours behind-the-wheel instruction and a minimum of seven hours of in-car observation. Students may obtain a Texas driver license upon the successful completion of the course. For the 2013-2014 school year the fee was \$375, but that is subject to change each year.

SPORTS MED 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75550000	SPORTS M	1	YR		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.

Willis High School Course Catalog for 2018-2019

Department: EL-Other Electives

Program:

SPORTS MED 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75560000	SPORTS M 2	1	YR		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 LEADER

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66810000	TEEN LEA	0.5	SM		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 2018-2019

Department: FA-Fine Arts

Program:

APPLIED MUSIC 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67710000	APL MUS1	1	YR		03152500	N	TIER 2

Prerequisite: In Perf. Ensemble; Inst. Approval

*Applied Music 1 must be taken before Applied Music.

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

APPLIED MUSIC 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67720000	APL MUS2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67000000	ART 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67040000	ART 2-CRMC	1	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 2018-2019

Department: FA-Fine Arts

Program:

ART 2-DRAWING

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67010000	ART 2-DR	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67020000	ART 2-PA	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67030000	ART 2-SC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67080000	ART 3-CRM	1	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 2018-2019

Department: FA-Fine Arts

Program:

ART 3-DRAWING

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67050000	ART 3-DR	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67060000	ART 3-PA	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67070000	ART 3-SC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67130000	ART4-CRM	1	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.

ART 4-DRAWING

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67090000	ART 4-DR	1	YR		03502300	N	TIER 2

Prerequisite: Art 3

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

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Department: FA-Fine Arts

Program:

ART 4-PAINTING

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67100000	ART 4-PA	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67110000	ART 4-SC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67410000	CONCERT1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67420000	CONCERT2	1	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 2018-2019

Department: FA-Fine Arts

Program:

CONCERT BAND 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67430000	CONCERT3	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67440000	CONCERT4	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68350000	DANCE 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68360000	DANCE 2	1	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.

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Program:

DANCE 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68370000	DANCE 3	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68380000	DANCE 4	1	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 COMPOS1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75310000	DNC COM1	1	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 COMPOS2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75320000	DNC COM2	1	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.

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Department: FA-Fine Arts

Program:

DANCE COMPOS3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75330000	DNC COM3	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68310000	DRILL T1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68320000	DRILL T2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68330000	DRILL T3	1	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.

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Department: FA-Fine Arts

Program:

DRILL TEAM 4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68340000	DRILL T4	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68200000	GUITAR 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68210000	GUITAR 2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68230000	GUITAR 3	1	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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Department: FA-Fine Arts

Program:

GUITAR 4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68240000	GUITAR 4	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67610000	JAZZ BN1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67620000	JAZZ BN2	1	YR		03151400	N	TIER 2

Prerequisite: Instructor approval & Audition

See Jazz Band 1

JAZZ BAND 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67630000	JAZZ BN3	1	YR		03151500	N	TIER 2

Prerequisite: Instructor approval & Audition

See Jazz Band 1

JAZZ BAND 4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67640000	JAZZ BN4	1	YR		03151600	N	TIER 2

Prerequisite: Instructor approval & Audition

See Jazz Band 1

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Department: FA-Fine Arts

Program:

JV CHOIR 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68010000	JV CHR 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68020000	JV CHR 2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68030000	JV CHR 3	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68040000	JV CHR 4	1	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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Department: FA-Fine Arts

Program:

MUSIC APPREC

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67910000	MUS APPR	1	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 THEORY 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67810000	MUSIC TH 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67820000	MUSIC TH 2	1	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.

SYMPHON BAND 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67510000	SYMPHON1	1	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.

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Department: FA-Fine Arts

Program:

SYMPHON BAND 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67520000	SYMPHON2	1	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.

SYMPHON BAND 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67530000	SYMPHON3	1	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.

SYMPHON BAND 4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67540000	SYMPHON4	1	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.

TH ARTS 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67210000	TH ARTS 1	1	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.

Willis High School Course Catalog for 2018-2019

Department: FA-Fine Arts

Program:

TH ARTS 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67220000	TH ARTS 2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67230000	TH ARTS 3	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67240000	TH ARTS 4	1	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.

V CHOIR 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68110000	V CHOIR1	1	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.

Willis High School Course Catalog for 2018-2019

Department: FA-Fine Arts

Program:

V CHOIR 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68120000	V CHOIR2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68130000	V CHOIR3	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68140000	V CHOIR4	1	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.

WIND ENSBL 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67310000	WIND EN1	1	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.

Willis High School Course Catalog for 2018-2019

Department: FA-Fine Arts

Program:

WIND ENSBL 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67320000	WIND EN2	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67330000	WIND EN3	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67340000	WIND EN4	1	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 2018-2019

Department: HL-Health

Program:

HEALTH

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66090000	HEALTH	0.5	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 2018-2019

Department: JROTC-Local Credit

Program: AIR FORCE JROTC

JROTC LAB ACT

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68460000	JROTC ACT	0.5	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.

STF MANGMT HNRS

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68450000	SMANGHNR	1	YR	L	85000JRS	N	TIER 2

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

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

Willis High School Course Catalog for 2018-2019

Department: JROTC-Other Electives

Program: AIR FORCE JROTC

JROTC 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68420000	JROTC 2	1	YR		03160200	N	TIER 2

Prerequisite: Approval – AFJROTC Instructor

See JROTC 1

JROTC 3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68430000	JROTC 3	1	YR		03160300	N	TIER 2

Prerequisite: Approval – AFJROTC Instructor

See JROTC 1

JROTC 4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68440000	JROTC 4	1	YR		03160400	N	TIER 2

Prerequisite: Approval – AFJROTC Instructor, completed AFJROTC 1,2, & 3

A course designed for fourth and select third year cadets to lead/manage cadet corps activities. The cadets will lead the corps using an organizational structure similar to an active-duty Air Force Group. The Aerospace Science course, "Management of the Cadet Corps", consists of hands-on experience that affords cadets the opportunity to put the theories of previous leadership courses into practice. The cadets under the supervision of the Senior Aerospace Science Instructor and the Aerospace Science Instructor will do all the planning, organizing, coordinating, directing, controlling, and decision-making. They practice their communication, decision-making, personal-interaction, managerial, and 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.

Willis High School Course Catalog for 2018-2019

Department: JROTC-Physical Education or equivalent

Program: AIR FORCE JROTC

JROTC 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68410000	JROTC 1	1	YR		PES00004	N	TIER 2

Prerequisite: Approval – AFJROTC Instructor

A blended course designed to accommodate first, second, and third year cadets in the same classroom. The goal is to promote citizenship, develop leadership skills and build self-discipline. It includes instruction in air and space fundamentals, drill and ceremonies, physical education, health, global studies and character education. The primary Aerospace Science study area in 2018-2019 is "The Science of Flight: A Gateway to New Horizons." This is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. The primary study area for Leadership Education in 2018-2019 is "Communication, Awareness, and Leadership." This course stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Other topics include drill and ceremonies, health/wellness and military traditions. The Wellness/Physical Fitness portion of the course is an exercise program focused upon individual base line improvements. The goal is to motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are 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.

Willis High School Course Catalog for 2018-2019

Department: LC-Local Credit

Program:

CREDIT RECOVERY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
74700000	CRDT REC	1	YR		85000CR1	N	

Prerequisite: Administration Approval

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

EARLY RELEASE 6

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
74630000	EARLY RE 6	0	YR		85000ER8	N	

Prerequisite: Administration Approval

EARLY RELEASE 7

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
74620000	EARLY RE 7	0	YR		85000ER7	N	

Prerequisite: Administration Approval

ER OLYP TRAIN

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
84640000	EARLY RE	0	YR		84200OLY	N	TIER 2

Prerequisite:

GT IND RESEARCH

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66200000	GT IND R	1	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.

LATE ARRIVAL

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
74670000	LATE ARR	0	YR		85000LA1	N	

Prerequisite: Administration Approval

Willis High School Course Catalog for 2018-2019

Department: LC-Local Credit

Program:

Late Arrival 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
74680000	LATE ARR 2	0	YR		85000LA1	Y	

Prerequisite:

MATH LAB

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62600000	MATH LAB	1	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.

MATH LAB 9/10

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
90240000	MATH 910	1	YR		84100910	N	TIER 2

Prerequisite: None

OFFICE AIDE

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66840000	OFFICE A	1	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.

Office Aide

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66850000	Office A	1	YR		85000AID	Y	

Prerequisite:

Willis High School Course Catalog for 2018-2019

Department: LC-Local Credit

Program:

PRE ALGEBRA

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62090000	PRE ALG	1	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.

WORK PERIOD 7TH

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
74730000	WORK PER	1	YR		85000WP7	N	

Prerequisite: Administration Approval

Work study through Career Prep I or II.

WRD PROC 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61860000	WRDPRC1	1	YR		84700T01	N	TIER 3

Prerequisite: Eligibility Through The ARD Process

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

Willis High School Course Catalog for 2018-2019

Department: LOTE-Language Other Than English

Program:

FRENCH 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65190000	FRENCH 1	1	YR		03410100	Y	TIER 2

Prerequisite: None

GERMAN 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65150000	GERMAN 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65250000	GERMAN 2	1	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.

SPANISH 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65110000	SPANISH 1	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65210000	SPANISH2	1	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.

Willis High School Course Catalog for 2018-2019

Department: LS-Career and Technical Education

Program: Health Science Cluster

EMT-B PRACT HS

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7104B00C	HS1 EMTB	1	SM		13020500	N	TIER 2

Prerequisite: Health Science

Willis High School Course Catalog for 2018-2019

Department: LS-Local Credit

Program:

EMT-A PRACT HS

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7104A00L	HSL EMTA	0.5	SM		84900EMT	N	TIER 2

Prerequisite: Health Science

Willis High School Course Catalog for 2018-2019

Department: MA-Mathematics

Program:

ADV QNT REAS

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62410000	ADV QUAN	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62110000	ALG 1	1	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 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62310000	ALG 2	1	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.

GEOMETRY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62210000	GEOMETRY	1	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 2018-2019

Department: MA-Mathematics

Program:

MMWA

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62200000	MMWA	1	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.

Willis High School Course Catalog for 2018-2019

Department: PAP-English Language Arts

Program:

ENGLISH 1 PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61110P00	ENG 1 PAP	1	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 2 PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61210P00	ENG 2 PAP	1	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.

Willis High School Course Catalog for 2018-2019

Department: PAP-Language Other Than English

Program:

GERMAN 2 PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65250P00	GERMAN 2 PAP	1	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 1. 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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65350P00	GERMAN 3 PAP	1	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.

SPANISH 2 PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65210P00	SPAN 2 PAP	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65310P00	SPAN 3 PAP	1	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 2018-2019

Department: PAP-Mathematics

Program:

ALGEBRA 2 PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62310P00	ALG 2 PAP	1	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.

GEOMETRY PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62210P00	GEOMETRY PAP	1	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.

PRECAL PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62430P00	PRECAL PAP	1	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 2018-2019

Department: PAP-Science

Program:

BIOLOGY PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110P00	BIOLOGY PAP	1	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 PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310P00	CHEM PAP	1	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.

PHYSICS PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63420P00	PHYS PAP	1	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 2018-2019

Department: PAP-Social Studies

Program:

W GEOGRAPHY PAP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64110P00	W GEO PAP	1	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.

Willis High School Course Catalog for 2018-2019

Department: PE-Local Credit

Program:

ATH TRAINER

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75510000	ATH TRAINER	1	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 2018-2019

Department: PE-Physical Education or equivalent

Program:

AEROBIC ACT

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75020000	AEROBIC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80130000	BASEBALL Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BASEBALL Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80140000	BASEBALL Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BASEBALL Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80150000	BASEBALL Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BASEBALL Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80160000	BASEBALL Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

BOYS BBALL Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80050000	BOYS BBA Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS BBALL Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80060000	BOYS BBA Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS BBALL Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80070000	BOYS BBA Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS BBALL Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80080000	BOYS BBA Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS GOLF Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80170000	BOYS GOLF Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS GOLF Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80180000	BOYS GOLF Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

BOYS GOLF Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80190000	BOYS GOLF Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS GOLF Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80200000	BOYS GOLF Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS SOCCER Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80090000	BOYS SOC Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS SOCCER Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80100000	BOYS SOC Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS SOCCER Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80110000	BOYS SOC Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

BOYS SOCCER Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80120000	BOYS SOC Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

CCOUNTRY Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82050000	CCOUNTRY Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

CCOUNTRY Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82060000	CCOUNTRY Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

CCOUNTRY Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82070000	CCOUNTRY Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

CCOUNTRY Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82080000	CCOUNTRY Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

FOOTBALL Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80010000	FOOTBALL Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

FOOTBALL Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80020000	FOOTBALL Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

FOOTBALL Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80030000	FOOTBALL Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

FOOTBALL Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
80040000	FOOTBALL Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS BBALL Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81050000	GIRLS BB Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS BBALL Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81060000	GIRLS BB Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS BBALL Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81070000	GIRLS BB Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS BBALL Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81080000	GIRLS BB Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

GIRLS GOLF Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81170000	GIRLS GOLF Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS GOLF Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81180000	GIRLS GOLF Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS GOLF Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81190000	GIRLS GOLF Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS GOLF Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81200000	GIRLS GO Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS SOCCER Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81090000	GIRLS SOC Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS SOCCER Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81100000	GIRLS SOC Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

GIRLS SOCCER Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81110000	GIRLS SOC Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

GIRLS SOCCER Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81120000	GIRLS SOC Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

IND & TEAM SPOR

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75010000	IND & TE	1	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.

PE NON DIST MS

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
PEND0000	PESUB ND	1	YR		84200PND	N	TIER 2

Prerequisite: None

PERSONAL FIT

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
75000000	PERSONAL	1	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.

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

SOFTBALL Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81130000	SOFTBALL Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

SOFTBALL Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81140000	SOFTBALL Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

SOFTBALL Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81150000	SOFTBALL Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

SOFTBALL Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81160000	SOFTBALL Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

TENNIS Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82010000	TENNIS Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

TENNIS Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82020000	TENNIS Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: PE-Physical Education or equivalent

Program:

TENNIS Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82030000	TENNIS Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

TENNIS Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82040000	TENNIS Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

VOLLEYBALL Y1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81010000	VOLLEYBALL Y1	1	YR		PES00000	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

VOLLEYBALL Y2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81020000	VOLLEYBALL Y2	1	YR		PES00001	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

VOLLEYBALL Y3

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81030000	VOLLEYBALL Y3	1	YR		PES00002	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

VOLLEYBALL Y4

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
81040000	VOLLEYBALL Y4	1	YR		PES00003	N	TIER 2

Prerequisite: None

University Interscholastic League (UIL) Competitive Sport

Willis High School Course Catalog for 2018-2019

Department: SC-Science

Program:

AQUATIC SCIENCE

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63620000	AQUATIC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63630000	ASTRONOMY	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110000	BIOLOGY	1	YR		03010200	Y	TIER 2

Prerequisite: None

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

CHEMISTRY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310000	CHEM	1	YR		03040000	Y	TIER 2

Prerequisite: Biology

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

EARTH & SPACE

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63640000	E & SP	1	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.

Willis High School Course Catalog for 2018-2019

Department: SC-Science

Program:

ENVIR SYS

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63610000	ENVIRSYS	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63210000	IPC	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63420000	PHYSICS	1	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 2018-2019

Department: SP-Speech

Program:

COMMUN APP

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66100000	COMM APP	0.5	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

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66130000	DEBATE	1	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66140000	DEBATE 2	1	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 SPEAKNG1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66110000	PBLC SPK 1	1	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 2018-2019

Department: SP-Speech

Program:

PUBLIC SPEAKNG2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66120000	PBLC SPK 2	1	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 2018-2019

Department: SS-Social Studies

Program:

GOVERNMENT

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64410000	GOVT	0.5	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.

PSYCHOLOGY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64620000	PSYCH	0.5	SM		03350100	N	TIER 2

Prerequisite: None

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

SOCIOLOGY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64610000	SOCIOLGY	0.5	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.

SP TOPICS SS_1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64350000	STSS_1	0.5	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	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64360000	STSS_2	0.5	SM		03380022	N	TIER 2

Prerequisite: None

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

Willis High School Course Catalog for 2018-2019

Department: SS-Social Studies

Program:

US HISTORY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64310000	U S HIST	1	YR		03340100	Y	TIER 2

Prerequisite: World History

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

W GEOGRAPHY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64110000	W GEO	1	YR		03320100	Y	TIER 2

Prerequisite: None

A study of people, places, and environments.

W HISTORY

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64210000	W HIST	1	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 2018-2019

Department: TA-Tech Applications

Program:

3D MODEL ANIMAT

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
72020000	3DMODAN	1	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 SCI 1

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
72000000	COMPSCI1	1	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.

COMPUTER SCI 2

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
72030000	COMPSCI2	1	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.

Willis High School Course Catalog for 2018-2019

Department: TA-Tech Applications

Program:

DISCRETE MATH

Course Number	Transcript Abbreviation	Number of Credits	Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
72010000	DISMATH	1	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.