



# **Willis Independent School District**

## **High School Course Catalog** for **2023/2024**

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# Willis High School Course Catalog for 2023-2024

**Department: Air Force JROTC**

**Program: Aerospace Science and Leadership**

## JROTC CADET LEADERSHIP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6846000L</b>	JROTC CLC	09 - 12	0.5	SM	1	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.

## JROTC CADET SENIOR STAFF

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6845000L</b>	CAD SR STF	09 - 12	1	YR	2	L	85000JRS	N	TIER 2

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

In addition to the regular AFJROTC coursework for their appropriate cadet year, Senior Staff cadets will complete assignments associated with their corps staff positions. The positions include the Special Asst. to the SASI, Cadet Corps Group Commander and Deputy, Squadron Commanders, and other staff administrative positions. Duty description and responsibilities are listed/updated in the Cadet Guide each year.

# Willis High School Course Catalog for 2023-2024

**Department: Air Force JROTC**

**Program: Aerospace Science and Leadership**

## JROTC I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>68410000</b>	JROTC I	09 - 12	1	YR	2		PES00004	Y*	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor

A blended course designed to accommodate first, second, and third year cadets (i.e. JROTC 1, 2, & 3) in the same classroom. The goal is to promote citizenship, develop leadership skills and build self-discipline. It includes instruction in air and space fundamentals, drill and ceremonies, physical education, health, global studies and character education. The primary Aerospace Science study area in 2021-2022 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 2021-2022 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. Additionally, cadets will be taught the fundamentals of Drill and Ceremonies. This portion of the course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Most of the work is to be hands-on. The Wellness/Physical Fitness portion of the course is an exercise program focused upon individual base line improvements. The goal is to motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are in Leadership Education. AFJROTC 1 is an elective credit that can be used to waive the P.E. requirement. Group activities include community service projects, military installation visits, Military Ball, Field Day, Awards Night and individual/team physical training activities. Additional activities may include Color Guard, Drill Team, Awareness Presentation Team, Model Rocket Team, Radio-Controlled Aircraft Team, PT Team and Academic Team (to name a few... list not all inclusive). Physical Education and/or general elective credit may be earned for successful completion of this JROTC course.

## JROTC II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>68420000</b>	JROTC II	09 - 12	1	YR	2		03160200	Y*	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor

See JROTC 1

## JROTC III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>68430000</b>	JROTC III	09 - 12	1	YR	2		03160300	Y*	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor

See JROTC 1

# Willis High School Course Catalog for 2023-2024

**Department: Air Force JROTC**

**Program: Aerospace Science and Leadership**

## JROTC IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>68440000</b>	JROTC IV	09 - 12	1	YR	2		03160400	Y*	TIER 2

**Prerequisite:** Approval - AFJROTC Instructor, completed AFJROTC1, 2, & 3

A course designed for fourth and select third year cadets to lead/manage cadet corps activities. The cadets will lead the corps using an organizational structure similar to an active-duty Air Force Group. The Aerospace Science course, "Management of the Cadet Corps", consists of hands-on experience that affords cadets the opportunity to put the theories of previous leadership courses into practice. The cadets under the supervision of the Senior Aerospace Science Instructor and the Aerospace Science Instructor will do all the planning, organizing, coordinating, directing, controlling, and decision-making. They practice their communication, decision-making, personal-interaction, managerial, and organization skills. The leadership Education course, "Fundamentals 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 (to name a few... list not all inclusive).

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## ADVANCED ANIMAL SCIENCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7016000C</b>	ANIMAL SCI ADV	09 - 12	1	YR	2		13000700	Y*	TIER 2

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

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

## AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

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

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

This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. (\$30 lab fee required)

## AGRICULTURAL POWER SYSTEMS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7012000C</b>	AG POWER SYS	10 - 12	2	YR	4		13002400	Y*	TIER 2

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

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

## AGRICULTURAL STRUCTURES DESIGN AND FABRICATION

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

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## EQUINE SCIENCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7014000C</b>	EQUINE SCIENCE	10-12	0.5	SM	1		13000500	Y*	TIER 2

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

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

## FLORAL DESIGN

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

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

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

## FORESTRY AND WOODLAND ECOSYSTEMS

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

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

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

## GREENHOUSE OPERATION AND PRODUCTION

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

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

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



# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## HORTICULTURAL SCIENCE

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

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

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

## LANDSCAPE DESIGN AND MANAGEMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7185000C</b>	LANDSCP DESIGN	10 - 12	0.5	SM	1		13001900	Y*	TIER 2

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

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

## PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7027000C</b>	PRAC AG-FOOD-NR	12	2	YR	4		13002500	Y*	TIER 2

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

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

## PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

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

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

**Agribusiness Management and Marketing**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>740100C</b>	AG MGMT MRKT	09 - 12	1	YR	2		13000900	Y*	TIER 2

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

Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

**Livestock Production**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>701000C</b>	LIVESTOCK PROD	9-12	1	YR	2	D	13000300	Y*	TIER 2

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

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## RANGE ECOLOGY AND MANAGEMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>702000C</b>	RANGE ECO MNGMT	11-12	1	YR	2		13001600	Y*	TIER 2

**Prerequisite:** Principles of AFNR or 11th-12th grade – Wildlife, Fisheries and Ecology Management

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

## SMALL ANIMAL MANAGEMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>701500C</b>	SM ANIMAL MANGM	10-12	0.5	SM	1		13000400	Y*	TIER 2

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

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

## TURF GRASS MANAGEMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>718000C</b>	TURF GRASS MANG	10 - 12	0.5	SM	1		13001950	Y*	TIER 2

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

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

## VETERINARY MEDICAL APPLICATIONS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>701700C</b>	VETERINARY APPS	11 - 12	1	YR	2		13000600	Y*	TIER 2

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## **WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT**

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

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Architecture and Construction Cluster**

## ARCHITECTURAL DESIGN I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7034000C</b>	ARCH DESIGN I	10-12	1	YR	2		13004600	Y*	TIER 2

**Prerequisite:** Algebra I and English I

In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

## ARCHITECTURAL DESIGN II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7039000C</b>	ARCH DESIGN II	11-12	2	YR	4		13004700	Y*	TIER 2

**Prerequisite:** Architectural Design I

In Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

## Practicum in Architectural Design

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7043000C</b>	PRAC ARCH DESIGN	12	2	YRF	4	D	13004800	Y*	TIER 2

**Prerequisite:** Architectural Design II

**Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study.**

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Architecture and Construction Cluster**

## CONSTRUCTION TECHNOLOGY I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7032000C</b>	CONST TECH I	10-12	2	YR	4		13005100	Y*	TIER 2

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

Introduction: In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. (\$30 shop fee)

## CONSTRUCTION TECHNOLOGY II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7033000C</b>	CONST TECH II	11-12	2	YR	4		13005200	Y*	TIER 2

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

Introduction in Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills. (\$30 shop fee)

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Architecture and Construction Cluster**

## HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) AND REFRIGERATION TECHNOLOGY I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7037000C</b>	HVAC REFRIG TEC	09 - 12	1	YR	2		13005800	Y*	TIER 2

**Prerequisite:** None

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

## INTERIOR DESIGN I

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

**Prerequisite:** Algebra I, English I

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

## INTERIOR DESIGN II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7036000C</b>	INTERIOR DSGN II	11- 12	2	YR	4		13004400	Y*	TIER 2

**Prerequisite:** Interior Design I, English II, Geometry

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

## PRACTICUM IN CONSTRUCTION TECHNOLOGY (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7029000C</b>	PRACT CONST TEC	12	2	YR	4		13005250	Y*	TIER 2

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Architecture and Construction Cluster**

## PRINCIPLES OF ARCHITECTURE

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

**Prerequisite:** None

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

## PRINCIPLES OF CONSTRUCTION

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

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

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



# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## Animation I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>731100C</b>	ANIMATION I	09 - 12	1	YR	2		13008300	Y*	TIER 2

**Prerequisite:** None

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

## Animation II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>731200C</b>	ANIMATION II	09 - 12	1	YR	2		13008400	N	TIER 2

**Prerequisite:** Animation I

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two-and three- dimensional animations. The instruction also assists students seeking careers in the animation industry.

## 3-D MODELING AND ANIMATION

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7202000</b>	3D MODEL ANIMAT	09 - 12	1	YR	2		03580510	Y*	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.

## AUDIO/VIDEO PRODUCTION I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700500C</b>	A/V PRODUCT I	10 - 12	1	YR	2		13008500	Y*	TIER 2

**Prerequisite:** Principle of Arts, A/V Technology and Communications or Digital Media

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

# Willis High School Course Catalog for 2023-2024

## AUDIO/VIDEO PRODUCTION I/AUDIO/VIDEO PRODUCTION I LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
700500PC	AVPROD I & LAB	10 - 12	2	YR	4		13008510	Y*	TIER 2

**Prerequisite:** Principle of Arts, A/V Technology and Communications or Digital Media

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

## AUDIO/VIDEO PRODUCTION II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
7006000C	A/V PROD II	11- 12	1	YR	2		13008600	Y*	TIER 2

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## AUDIO/VIDEO PRODUCTION II/AUDIO/VIDEO PRODUCTION II LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700600PC</b>	AVPROD II & LAB	11- 12	2	YR	4		13008610	Y*	TIER 2

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

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

**Department: Career and Technical Education**

## COMMERCIAL PHOTOGRAPHY I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7007000C</b>	COMM PHOTO I	09 - 12	1	YR	2		13009100	Y*	TIER 2

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

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

## COMMERCIAL PHOTOGRAPHY I/COMMERCIAL PHOTOGRAPHY I LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700700PC</b>	COMPHOT I & LAB	10 - 12	2	YR	4		13009110	Y*	TIER 2

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

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

## COMMERCIAL PHOTOGRAPHY II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7008000C</b>	COMM PHOTO II	10 - 12	1	YR	2		13009200	Y*	TIER 2

**Prerequisite:** Commercial Photography I

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.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## COMMERCIAL PHOTOGRAPHY II/COMMERCIAL PHOTOGRAPHY II LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700800PC</b>	COMPHOT II& LAB	10 - 12	2	YR	4		13009210	Y*	TIER 2

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

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

## DIGITAL AUDIO TECHNOLOGY I

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

**Prerequisite:** None

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

## DIGITAL AUDIO TECHNOLOGY II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6999000C</b>	DIG ADIO TEC II	10 - 12	1	YR	2		13009960	Y*	TIER 2

**Prerequisite:** Digital Audio Technology I

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

## FASHION DESIGN I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7003000C</b>	FASHION DSGN I	10 - 12	1	YR	2		13009300	Y*	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.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## FASHION DESIGN I/FASHION DESIGN I LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700300PC</b>	FASHDSG I & LAB	10 - 12	2	YR	4		13009310	Y*	TIER 2

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

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

## FASHION DESIGN II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7004000C</b>	FASHION DSGN II	11 - 12	1	YR	2		13009400	Y*	TIER 2

**Prerequisite:** Fashion Design I

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

## FASHION DESIGN II/FASHION DESIGN II LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>700400PC</b>	FASHDGN II& LAB	11 - 12	2	YR	4		13009410	Y*	TIER 2

**Prerequisite:** Fashion Design I

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

## GRAPHIC DESIGN AND ILLUSTRATION I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7320000C</b>	GRAPH DSN ILL I	10 - 12	1	YR	2		13008800	Y*	TIER 2

**Prerequisite:** 1 Credit from level 1 D&MA (principal arts A/V, Video game, DIM)

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. 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 industry with a focus on fundamental elements and principles of visual art and design.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## GRAPHIC DESIGN AND ILLUSTRATION II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7321000C</b>	GRPH DSN ILL II	10 - 12	1	YR	2		13008900	Y*	TIER 2

**Prerequisite:** Graphic Design and Illustration I

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. 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 advanced understanding of the industry with a focus on fundamental elements and principles of visual art and design.

## PRACTICUM IN AUDIO/VIDEO PRODUCTION (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7038000C</b>	PRAC IN AV PROD	12	2	YR	4		13008700	Y*	TIER 2

**Prerequisite:** Audio/Video Production II

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

## PRACTICUM IN COMMERCIAL PHOTOGRAPHY (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7330000C</b>	PRACT COM PHOTO	10 - 12	2	YR	4		13009250	Y*	TIER 2

**Prerequisite:** Commercial Photography II

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7322000C</b>	PRAC GRAPH D&L	10 - 12	2	YR	4		13009000	Y*	TIER 2

**Prerequisite:** Graphic Design and Illustration II

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

## PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

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

**Prerequisite:** Grades 9-10

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

## VIDEO GAME DESIGN

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

**Prerequisite:** None

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## WEB GAME DEVELOPMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7078000C</b>	WEB GAME DEV	11 - 12	1	YR	2		03580830	Y*	TIER 2

**Prerequisite:** None

The student is expected to: research, evaluate, and create web forms for database processing; identify the various programming languages and differentiate among the available web programming languages; research, evaluate, and summarize content management systems (CMS); differentiate between Common Gateway Interface (CGI) and computer-generated imagery (CGI); discuss, analyze, and summarize streaming media/content and game broadcasting; define and evaluate instant messaging (IM) within a game environment; analyze and discuss the history of gaming; discuss, analyze, compare, and contrast game types such as action, action-adventure, adventure, construction and management simulation, life simulation, massively multiplayer online role-playing (MMORPG), music, party, puzzle, role-playing, sports, strategy, trivia, and vehicle simulation; discuss, analyze, compare, and contrast gaming hardware, including console, personal computer, mobile, and web; compare and contrast web standards versus browser-specific languages; research, evaluate, and summarize e-commerce; investigate career opportunities in programming, gaming, art, design, business, and marketing; research the characteristics of existing gaming websites to determine local, state, national, and global trends; compare and contrast historical and contemporary styles of art as applied to website development; compare and contrast the use of the art elements of color, texture, form, line, space, and value and the art principles of emphasis, pattern, rhythm, balance, proportion, and unity in personal web game artwork and the web game artwork of others, using vocabulary accurately; describe general characteristics in artwork from a variety of cultures that influence web game design; research and evaluate emerging technologies; and research and evaluate augmented reality (the supplementing of reality with computer-generated imagery) such as heads-up display and virtual digital projectors.



# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Business Management and Administration Cluster**

## BUSINESS ENGLISH

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>708000C</b>	BUSINESS ENG	12	1	YR	2		13011600	Y*	TIER 2

**Prerequisite:** Touch Systems Data Entry

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

## BUSINESS INFORMATION MANAGEMENT I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>708200C</b>	BUS INFO MGT I	09 - 12	1	YR	2		13011400	Y*	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.

## BUSINESS INFORMATION MANAGEMENT II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>708500C</b>	BUS INFO MGT II	09 - 12	1	YR	2		13011500	Y*	TIER 2

**Prerequisite:** Business Information Management I

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

## BUSINESS LAW

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>708300C</b>	BUSINESS LAW	10 - 12	1	YR	2		13011700	Y*	TIER 2

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

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 2023-2024

**Department: Career and Technical Education**

**Program: Business Management and Administration Cluster**

## BUSINESS MANAGEMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7086000C</b>	BUSINESS MGMT	10 - 12	1	YR	2		13012100	Y*	TIER 2

**Prerequisite:**

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

## PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7081000C</b>	PRIN BUS MKT FI	09 - 11	1	YR	2		13011200	Y*	TIER 2

**Prerequisite:** \$20 DECA fee

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

## TOUCH SYSTEM DATA ENTRY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7079000C</b>	TOUCH SYS DATA	09 - 12	0.5	SM	1		13011300	Y*	TIER 2

**Prerequisite:**

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

## VIRTUAL BUSINESS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7084000C</b>	VIRTUAL BUS	10 - 12	0.5	SM	1		13012000	Y*	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 2023-2024

**Department: Career and Technical Education**

**Program: Career Development**

## CAREER PREPARATION I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>715000C</b>	CAREER PREP I	11 - 12	2	YR	4		12701300	Y*	TIER 2

**Prerequisite:** Approved Application

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

## CAREER PREPARATION II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>715100C</b>	CAREER PREP II	12	2	YR	4		12701400	Y*	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 2023-2024

**Department: Career and Technical Education**

**Program: Education and Training Cluster**

## HUMAN GROWTH AND DEVELOPMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7133000C</b>	HUMAN GROW DEV	10 - 12	1	YR	2		13014300	Y*	TIER 2

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

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

## INSTRUCTIONAL PRACTICES

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7132000C</b>	INST PRACTICES	10 - 12	2	YR	4		13014400	Y*	TIER 2

**Prerequisite:** Principles of Education and Training and Human Growth and Development. Must have own transportation to and from internship site.

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

## PRACTICUM IN EDUCATION AND TRAINING (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7134000C</b>	PRAC ED & TRAIN	09 - 12	2	YR	4		13014500	Y*	TIER 2

**Prerequisite:** Instructional Practices

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education 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, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

## PRINCIPLES OF EDUCATION AND TRAINING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7131000C</b>	PRIN ED & TRAIN	09 - 10	1	YR	2		13014200	Y*	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 2023-2024

**Department: Career and Technical Education**

**Program: Energy**

## OIL AND GAS PRODUCTION I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>717000C</b>	OIL & GAS PRO I	09 - 12	1	YR	2		13001250	Y*	TIER 2

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

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

## OIL AND GAS PRODUCTION II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>717100C</b>	OIL GAS PROD II	11 - 12	1	YR	2		13001260	Y*	TIER 2

**Prerequisite:** Oil and Gas Production I

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Finance Cluster**

## ACCOUNTING I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7092000C</b>	ACCOUNTING I	10 - 12	1	YR	2		13016600	Y*	TIER 2

**Prerequisite:** None

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

## ACCOUNTING II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7093000C</b>	ACCOUNTING II	11 - 12	1	YR	2		13016700	Y*	TIER 2

**Prerequisite:** Accounting I

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

## FINANCIAL MATHEMATICS

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

**Prerequisite:** Algebra I

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

## MONEY MATTERS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7096000C</b>	MONEY MATTERS	10 - 12	1	YR	2		13016200	Y*	TIER 2

**Prerequisite:**

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Finance Cluster**

## STATISTICS AND BUSINESS DECISION MAKING

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

**Prerequisite:** Algebra II

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

## Insurance Operations

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7128000C</b>	INS OPERATIONS	09 - 12	1	YR	2	D	13016500	Y*	TIER 2

**Prerequisite:**

In Insurance Operations, students will understand the laws and regulations in order to manage business operations and transactions in the insurance industry.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Health Science Cluster**

## ANATOMY AND PHYSIO DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>71060DC</b>	ANTMY-PHY DC	09 - 12	1	YR	2	D	13020600	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed Biology and Chemistry (can take concurrently with DC science)

First Semester: BIOL 2401: A study of the structure and function of the human body. Emphasis will be given to the study of cells and tissues and anatomical and physiological interrelationships of the integumentary, skeletal, muscular, and nervous systems. Designated primarily for students entering health careers. Second Semester: BIOL 2402: A study of the structure and function of the human body. Emphasis will be given to the study of cells and tissues and anatomical and physiological interrelationships of the integumentary, skeletal, muscular, and nervous systems. Designated primarily for students entering health careers (4 college hours earned each semester). (Course fee: \$96)

## ANATOMY AND PHYSIOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>710600C</b>	ANTMY PHYSIO	11 - 12	1	YR	2		13020600	Y*	TIER 2

**Prerequisite:** Biology and 2<sup>nd</sup> Science Credit

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

## HEALTH SCIENCE THEORY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>710000C</b>	HLTH SCI THRY	11- 12	1	YR	2		13020400	Y*	TIER 2

**Prerequisite:** Biology and Principles of Health Science

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

## HEALTH SCIENCE THEORY/HEALTH SCIENCE CLINICAL

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>710200PC</b>	HLTHSCI & CLIN	11 - 12	2	YR	4		13020410	Y*	TIER 2

**Prerequisite:** Principles of Health Science

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



# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Health Science Cluster**

## MEDICAL TERMINOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7109000C</b>	MEDICAL TERMS	09 - 12	1	YR	2		13020300	Y*	TIER 2

**Prerequisite:** None

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

## PHARMACOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7107000C</b>	PHARMACOLOGY	11 - 12	1	YR	2		13020950	Y*	TIER 2

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

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

## PRACTICUM IN HEALTH SCIENCE (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7105000C</b>	HSCI PRAC I	12	2	YR	4		13020500	Y*	TIER 2

**Prerequisite:** Health Science Theory/Health Science Clinical, Biology

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students in the CNA Practicum prepare for careers as entry level nursing assistants. Students will prepare for the NACES certification exam. Students will be off campus for clinical rotations for part of this class.

## PRACTICUM IN HEALTH SCIENCE (SECOND TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7103000C</b>	HSCI PRAC II	12	2	YR	4		13020510	Y*	TIER 2

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Health Science Cluster**

## PRINCIPLES OF HEALTH SCIENCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7101000C</b>	PRIN HEALTH SCI	9 - 12	1	YR	2		13020200	Y*	TIER 2

**Prerequisite:** None

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Hospitality and Tourism Cluster**

## ADVANCED CULINARY ARTS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7053000C</b>	ADV CULINARY	11 - 12	2	YR	4		13022650	Y*	TIER 2

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

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

## CULINARY ARTS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7051000C</b>	CULINARY ARTS	10 - 12	2	YR	4		13022600	Y*	TIER 2

**Prerequisite:** Recommended: Introduction to Culinary Arts or Principles of Hospitality and Tourism; \$40 lab fee plus students must purchase a chef hat/coat/apron

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

## FOOD SCIENCE

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

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

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

## HOTEL MANAGEMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7056000C</b>	HOTEL MNGMT	10-12	1	YR	2		13022300	Y*	TIER 2

**Prerequisite: Principles of Hospitality and Tourism**

Hotel Management focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. This course will focus on, but not be limited to, professional communication, leadership, management, human resources, technology, and accounting.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Hospitality and Tourism Cluster**

## INTRODUCTION TO CULINARY ARTS

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

**Prerequisite:**

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

## PRACTICUM IN CULINARY ARTS (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7055000C</b>	PRAC IN CUL ART	12	2	YR	4		13022700	Y*	TIER 2

**Prerequisite:** Advanced Culinary Arts

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

## PRINCIPLES OF HOSPITALITY AND TOURISM

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

**Prerequisite:**

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Human Services Cluster**

## CHILD DEVELOPMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7112000C</b>	CHILD DEVELOP	10 - 12	1	YR	2		13024700	Y*	TIER 2

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

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

## CHILD GUIDANCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7113000C</b>	CHILD GUIDANCE	11- 12	2	YR	4		13024800	Y*	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.

## PRACTICUM IN EARLY LEARNING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7113000C</b>	PRACTICUM IN EARLY LEARNING	12	2	YR	2		13014520	N	TIER2

**Prerequisite:** Child Guidance

Practicum in Early Learning is a field-based internship that provides students background knowledge of child and adolescent Development principals as well as principles of effective teaching and training practices. Students in the course work under the Joint direction and supervision of both a teacher with knowledge of early childhood and exemplary education in direct Instructional roles with early childhood students. Students learn to plan and direct individualized instruction and group Activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other Responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

## Practicum in Human Services

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7117000C</b>	PRAC HUMAN SERVI	12	2	YR	4		13025000	Y*	TIER 2

**Prerequisite:** Child Guidance

Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster.

# Willis High School Course Catalog for 2023-2024

## COSMETOLOGY I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7161000C</b>	COSMETOLOGY I	09 - 12	2	YR	4		13025200	Y*	TIER 2

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

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

## COSMETOLOGY I/COSMETOLOGY I LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>716100PC</b>	COSMET I & LAB	10 - 11	3	YR	6		13025210	Y*	TIER 2

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Human Services Cluster**

## COSMETOLOGY II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>716200C</b>	COSMETOLOGY II	11 - 12	2	YR	4		13025300	Y*	TIER 2

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

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

## COSMETOLOGY II/COSMETOLOGY II LAB

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>716200PC</b>	COSMET II & LAB	11 - 12	3	YR	6		13025310	Y*	TIER 2

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

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

## COUNSELING AND MENTAL HEALTH

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

**Prerequisite: 2 Credits from Family & Community Services**

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

## DOLLARS AND SENSE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7097000C</b>	DOLLARS & SENSE	11 - 12	0.5	SM	1		13024300	Y*	TIER 2

**Prerequisite:**

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Human Services Cluster**

## FAMILY AND COMMUNITY SERVICES

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7116000C</b>	FAM & COMM SRVS	11 - 12	1	YR	2		13024900	Y*	TIER 2

**Prerequisite: 2 Credits Family & Community Services**

Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

## INTERPERSONAL STUDIES

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7115000C</b>	INTERPERSON STD	09 - 12	0.5	SM	1		13024400	Y*	TIER 2

**Prerequisite:**

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

## INTRODUCTION TO COSMETOLOGY

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

**Prerequisite:** \$25.00 License Fee

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.

## LIFETIME NUTRITION AND WELLNESS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7114000C</b>	LIFE NUTR WELL	09 - 12	0.5	SM	1		13024500	Y*	TIER 2

**Prerequisite:**

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.



# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Human Services Cluster**

## PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY

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

**Prerequisite:**

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

## PRINCIPLES OF HUMAN SERVICES

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7111000C</b>	PRIN HUMAN SERV	09 - 12	1	YR	2		13024200	Y*	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 2023-2024

**Department: Career and Technical Education**

**Program: Information Technology Cluster**

## COMPUTER MAINTENANCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7042000C</b>	COMPUTER MAINT	10 - 12	1	YR	2		13027300	Y*	TIER 2

**Prerequisite:** Any credit from Level I

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 TECHNICIAN PRACTICUM (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7047000C</b>	COMP TECH PRACT	11 - 12	2	YR	4		13027500	Y*	TIER 2

**Prerequisite:** Computer Maintenance

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

## DIGITAL MEDIA

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

**Prerequisite:** None

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

## NETWORKING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7048000C</b>	NETWORKING	09 - 12	1	YR	2		13027400	Y*	TIER 2

**Prerequisite:** Computer Maintenance

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Information Technology Cluster**

## PRACTICUM IN INFORMATION TECHNOLOGY (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>704000C</b>	PRAC INFO TECH	12	2	YR	4		13028000	Y*	TIER 2

**Prerequisite:** Principles of Information Technology and Computer Maintenance

In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.

## PRINCIPLES OF INFORMATION TECHNOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>704100C</b>	PRIN INFO TECH	09 - 10	1	YR	2		13027200	Y*	TIER 2

**Prerequisite:** None

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

## WEB COMMUNICATIONS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>707600C</b>	WEB COMM	10 - 12	0.5	SM	1		03580810	Y*	TIER 2

**Prerequisite:** None

The student is expected to: demonstrate proficiency in the use of local and online collaboration; create websites using web editors or web authoring programs; evaluate the accessibility and usability of original websites; and conceptualize possible technologies based on current technical trends. The student is expected to: analyze and implement the proper and acceptable use of digital/virtual communications technologies such as instant messaging (IM), chat, email, and social networking; define and implement the acquisition, sharing, and use of files taking into consideration primary ownership and copyright; apply decisions regarding the selection, acquisition, and sharing of uniform resource locators (URLs) used in research, taking into consideration their quality, appropriateness, and effectiveness; and solve problems using critical-thinking strategies. The student is expected to: demonstrate knowledge of hardware such as scanners, cameras, printers, video cameras, and external hard drives; identify the parts of a computer and explain their functions; summarize the need, functionality, and use of servers; identify the advantages and disadvantages of running a personal web server versus using a web server provider; differentiate and appropriately use various input, processing, output, and primary/secondary storage devices; create and implement universally accessible documents; analyze bandwidth issues as they relate to audience, servers, connectivity, and cost; establish a folder/directory hierarchy for storage of a web page and its related or linked files; follow file and folder naming conventions, including spacing, special characters, and capitalization; and identify basic design principles when creating a website.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Information Technology Cluster**

## WEB DESIGN

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7077000C</b>	WEB DESIGN	09 - 12	1	YR	2		03580820	Y*	TIER 2

**Prerequisite:** None

The student is expected to: verify the accuracy, validity, and currency of acquired information; conduct effective searches with Boolean operators; acquire and use appropriate vocabulary terms; cite sources appropriately using established methods; model ethical and legal acquisition of digital information following guidelines in the student code of conduct, including plagiarism and copyright laws; identify and discuss emerging technologies and their impact; understand Internet history and structure and how they impact current use; demonstrate appropriate use of grammar, spelling, and vocabulary when creating original work; acquire, evaluate, and use various web standards such as World Wide Web Consortium (W3C), Ecma International, and Internet Corporation for Assigned Names and Numbers (ICANN) to make informed decisions and implement standards in original work; understand, analyze, and use interactive websites; understand, evaluate, and determine the appropriate use of dynamic and static websites; understand, evaluate, and determine the appropriate use of open/closed source file formats and software; explain and demonstrate how search engines work such as advanced options, preferences, advertising, and search categories; evaluate, create, and apply principles of project management, including web storyboards, site maps, job duties, time constraints, group dynamics, communication interaction, and project completion, evaluation, and feedback; understand the use and application of a virtual private network (VPN); distinguish among protocols, including Hypertext Transfer Protocol (HTTP) and File Transfer Protocol (FTP); summarize the technical needs of a World Wide Web server, including random access memory (RAM), hard disk capacity, central processing unit (CPU) speed, busses, methods of connectivity, and appropriate software; demonstrate proficiency in the use of a variety of electronic input devices such as keyboard, scanner, voice/sound recorder, mouse, touch screen, or digital video by incorporating such components while publishing web pages; demonstrate proper digital etiquette and knowledge of acceptable use policies when using networks, especially resources on the Internet and intranets; demonstrate proficiency in and appropriate use and navigation of local area networks (LANs), wide area networks (WANs), the Internet, and intranets for research and resource sharing; construct appropriate search strategies in the acquisition of information from the Internet, including keyword searches and searches with Boolean operators; and acquire information in electronic formats, including text, audio, video, and graphics, citing the source.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## COURT SYSTEMS AND PRACTICES

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7127000C</b>	CRT SYS & PRACT	10- 12	1	YR	2		13029600	Y*	TIER 2

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

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

## CRIMINAL INVESTIGATION

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7126000C</b>	CRIMINAL INVEST	10 - 12	1	YR	2		13029550	Y*	TIER 2

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

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

## FORENSIC SCIENCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7121000C</b>	FORENSIC SCI	11 - 12	1	YR	2		13029500	Y*	TIER 2

**Prerequisite: Biology and Chemistry**

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

## LAW ENFORCEMENT I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7122000C</b>	LAW ENFORCE I	10 - 12	1	YR	2		13029300	Y*	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.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## LAW ENFORCEMENT II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7123000C</b>	LAW ENFORCE II	11 - 12	1	YR	2		13029400	Y*	TIER 2

**Prerequisite:** Law Enforcement I and Principles of LPSCS

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

## PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7124000C</b>	PRAC LAW PCS	12	2	YR	4		13030100	Y*	TIER 2

**Prerequisite:** Law Enforcement II

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

## PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY/EXTENDED PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7125000C</b>	EXTE PRAC LPSCS	11 - 12	3	YR	6		13030105	Y*	TIER 2

**Prerequisite:**

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

## PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7120000C</b>	PRIN LAW PSC	09 - 12	1	YR	2		13029200	Y*	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 2023-2024

**Department: Career and Technical Education**

**Program: Manufacturing Cluster**

## INTRODUCTION TO WELDING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7060000C</b>	INTRO WELDING	09 - 12	1	YR	2		13032250	Y*	TIER 2

**Prerequisite:** None

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

## METAL FABRICATION AND MACHINING I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7064000C</b>	METAL FAB MAC I	10 - 12	2	YR	4		13032700	Y*	TIER 2

**Prerequisite:** Welding II

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

## METAL FABRICATION AND MACHINING II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7067D00C</b>	METL FAB MCH II	11 - 12	2	YR	4		13032800	Y*	TIER 2

**Prerequisite:** None

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

## PRACTICUM IN MANUFACTURING (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7065000C</b>	PRACTICUM MANUF	12	2	YR	4		13033000	Y*	TIER 2

**Prerequisite:**

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Manufacturing Cluster**

## PRINCIPLES OF MANUFACTURING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7061000C</b>	PRIN MANUFACTUR	09 - 12	1	YR	2		13032200	Y*	TIER 2

**Prerequisite:** None

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

## WELDING I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7062000C</b>	WELDING I	10 - 12	2	YR	4		13032300	Y*	TIER 2

**Prerequisite:** Principles of Manufacturing or Introduction to Welding; \$30 shop fee

Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. \$30 shop fee

## WELDING II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7063000C</b>	WELDING II	11 - 12	2	YR	4		13032400	Y*	TIER 2

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

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. \$30 shop fee



# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Marketing Cluster**

## ADVANCED MARKETING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7089000C</b>	ADV MARKETING	11 - 12	2	YR	4		13034700	Y*	TIER 2

**Prerequisite: 2 Courses from Marketing Career Cluster** - Principles of Business, Marketing, and Finance; and \$20 DECA Fee

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

## ADVERTISING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7088000C</b>	ADVERTISING	10 - 12	0.5	SM	1		13034200	Y*	TIER 2

**Prerequisite:** Principles of Business, Marketing, and Finance; and \$20 DECA Fee

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

## ENTREPRENEURSHIP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7087000C</b>	ENTREPRENEUR	10 - 12	1	YR	2		13034400	Y*	TIER 2

**Prerequisite:** Principles of Business, Marketing, and Finance; and \$20 DECA Fee

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

## FASHION MARKETING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7205000C</b>	FASHION MARKET	10 - 12	0.5	SM	1		13034300	Y*	TIER 2

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Marketing Cluster**

## FUNDAMENTALS OF REAL ESTATE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7098000C</b>	FUND REAL ESTAT	12	2	YR	4	X	N1301120	Y*	TIER 2

**Prerequisite:** \$475 course fee

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

## PRACTICUM IN MARKETING (FIRST TIME TAKEN)

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7091000C</b>	PRAC MARKETING	12	2	YR	4		13034800	Y*	TIER 2

**Prerequisite:** 2 credits in Marketing

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

## SOCIAL MEDIA MARKETING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7204000C</b>	SOC MEDIA MARKE	12	0.5	SM	1		13034650	Y*	TIER 2

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

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

## SPORTS AND ENTERTAINMENT MARKETING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7090000C</b>	SP/ENTERTN MKT	10 - 12	0.5	SM	1		13034600	Y*	TIER 2

**Prerequisite:** Principles of Business, Marketing, and Finance; and \$20 DECA Fee

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## BIOLOGY DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>63110D0C</b>	BIOLOGY DC	09 - 12	1	YR	2	D	13037200	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed Biology and Chemistry (can take concurrently with DC science)

First Semester: BIOL 1406: A contemporary course including applications of the scientific method, cellular and molecular biology, biochemistry, classical and human genetics, virology and mechanisms of evolution Second Semester: BIOL 1407: This course is a continuation of introductory **Biology I** for majors. It includes a detailed survey of the major phylogenetic lineages. This includes a comparison of the systems of different organisms. Ecological roles and relationships, as well as behavior of organisms, will be integrated throughout (4 college hours earned each semester).

## BIOTECHNOLOGY DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>63120D0C</b>	BIOTECHNOLOG DC	09 - 12	1	YR	2	D	13036400	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed Biology and Chemistry (can take concurrently with DC science)

BIOL 1414: An introduction to biotechnology including career exploration, history and applications of DNA/RNA technology, molecular biology, bioethics, and laboratory safety practices. This is a year-long course at the high school level but a spring semester course at the college (4 college hours earned).

## COMPUTER SCIENCE A AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>72100A0C</b>	COMP SCI A AP	09 - 12	1	YR	2	P	A3580110	Y*	TIER 1

**Prerequisite:** Algebra I

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

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## COMPUTER SCIENCE I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>720000C</b>	COMPUTER SCI I	09 - 12	1	YR	2		03580200	Y*	TIER 2

**Prerequisite:** Algebra I

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

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## COMPUTER SCIENCE II

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

## COMPUTER SCIENCE III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7206000C</b>	COMP SCI III	09 - 12	1	YR	2		03580350	Y*	TIER 2

**Prerequisite:** Computer Science II

Computer Science III 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 advanced computer science data structures through the study of technology operations, systems, and concepts.

## COMPUTER SCIENCE PRINCIPLES AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>72110A0C</b>	COMPSCI PRIN AP	09 - 12	1	YR	2	P	A3580300	Y*	TIER 1

**Prerequisite:** Algebra I

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## CYBERSECURITY CAPSTONE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7301000C</b>	CYBER CAPSTONE	12	1	YR	2		03580855	Y*	TIER 2

**Prerequisite:** Foundations of Cybersecurity

In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification. A variety of courses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating course in this field of study.

## DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>72010000</b>	DISCRETE MATH	11 - 12	1	YR	2		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.

## ENGINEERING DESIGN AND PRESENTATION I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7071000C</b>	ENG DSGN PRES I	10 - 12	1	YR	2		13036500	Y*	TIER 2

**Prerequisite:** Algebra I

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.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## ENGINEERING DESIGN AND PRESENTATION II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>707000C</b>	ENG DSGN PRS II	11 - 12	2	YR	4		13036600	Y*	TIER 2

**Prerequisite:** Engineering Design and Presentation I

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.

## FOUNDATIONS OF CYBERSECURITY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>730000C</b>	FOUND CYBERSEC	09 - 12	1	YR	2		03580850	Y*	TIER 2

**Prerequisite:** None

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.

## FUNDAMENTALS OF COMPUTER SCIENCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>719900C</b>	FUND OF COMPSCI	09 - 12	1	YR	2		03580140	Y*	TIER 2

**Prerequisite:** None

Fundamentals of Computer Science is intended as a first course for those students just beginning the study of computer science. Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. 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 and concepts.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

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

## PRINCIPLES OF APPLIED ENGINEERING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7069000C</b>	PRIN APPL ENG	09 - 12	1	YR	2		13036200	Y*	TIER 2

**Prerequisite:** None

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

## PRINCIPLES OF TECHNOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7072000C</b>	PRIN OF TECH	09 - 12	1	YR	2		13037100	Y*	TIER 2

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

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

## ROBOTICS I

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

**Prerequisite:**

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

## ROBOTICS II

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

**Prerequisite:** Robotics I

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



# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Transportation, Distribution, and Logistics Cluster**

## AUTOMOTIVE BASICS

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

**Prerequisite:**

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

## AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7140000C</b>	AUTO TECH I	10 - 12	2	YR	4		13039600	Y*	TIER 2

**Prerequisite:**

Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

## AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7141000C</b>	AUTO TCH II SRV	11 - 12	2	YR	4		13039700	Y*	TIER 2

**Prerequisite:** Automotive Technology I

Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

# Willis High School Course Catalog for 2023-2024

**Department: Career and Technical Education**

**Program: Transportation, Distribution, and Logistics Cluster**

## **PRACTICUM IN TRANSPORTATION SYSTEMS (FIRST TIME TAKEN)**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7137000C</b>	PRAC TRANSP SYS	12	2	YR	4		13040450	Y*	TIER 2

**Prerequisite:** Automotive Technology II

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.

## **PRINCIPLES OF TRANSPORTATION SYSTEMS**

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

**Prerequisite:**

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

# Willis High School Course Catalog for 2023-2024

**Department: Economics**

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

## ECONOMICS AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64510A00	ECONOMICS AP	09 - 12	0.5	SM	1	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 2023-2024

**Department: Economics**

**Program: Economics**

## ECONOMICS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64510000</b>	ECONOMICS	09 - 12	0.5	SM	1		03310300	Y*	TIER 2

**Prerequisite:** U.S. History

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

## ECONOMICS DUAL CREDIT

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

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed US History (can take concurrently).

ECON 2301: 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 (3 college hours earned).

# Willis High School Course Catalog for 2023-2024

**Department: English Language Arts**

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

## ENGLISH III AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310A00	ENG III AP	09 - 12	1	YR	2	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 IV AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410A00	ENG IV AP	09 - 12	1	YR	2	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 2023-2024

**Department: English Language Arts**

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

## COMMUN APP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>66100000</b>	COMMUN APP	09 - 12	0.5	SM	1		03241400	Y*	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.

## CREATE/IMAG WRITE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>66500000</b>	CR/IMAG WRITE	09 - 12	1	YR	2		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.

## DEBATE I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>66130000</b>	DEBATE I	09 - 12	1	YR	2		03240600	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>66140000</b>	DEBATE II	09 - 12	1	YR	2		03240700	Y*	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.

# Willis High School Course Catalog for 2023-2024

**Department: English Language Arts**

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

## DEBATE III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66150000	DEBATE III	09 - 12	1	YR	2		03240800	Y*	TIER 2

**Prerequisite:**

## ESL READ I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61160S00	ESL READ I	09 - 12	1	YR	2		03270700	Y*	TIER 2

**Prerequisite:**

## ESL READ II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61260S00	ESL READ II	09 - 12	1	YR	2		03270800	Y*	TIER 2

**Prerequisite:**

## ESL READ III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61270S00	ESL READ III	09 - 12	1	YR	2		03270900	Y*	TIER 2

**Prerequisite:**

## HEBREW & NT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66560000	IND STDY OT&NT	09 - 12	1	YR	2		03221850	Y*	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.

# Willis High School Course Catalog for 2023-2024

Department: ELA- English Language Arts

Program:

## Reading II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6161000C</b>	Reading II	10-12	1	YR	2		03270800	Y*	TIER 2

**Prerequisite: Reading I** Reading II extends 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 text that cross the content areas.

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>61620000</b>	READING III	11 - 12	1	YR	2		03270900	Y*	TIER 2

**Prerequisite:**

Reading III extends 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 2023-2024

**Department: English Language Arts**

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

## IND ST JOURNAL 1

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

**Prerequisite:** None

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 ST JOURNAL II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66540000	IND ST JRNAL II	09 - 12	1	YR	2		03231011	Y*	TIER 2

**Prerequisite:** Independent Study in Journalism 1

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

## IND STUDY ENG

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61530000	IND STUDY ENG	09 - 12	1	YR	2		03221800	Y*	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.

## JOURN YRBK I ADV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66710000	JOURN YRBK I	09 - 12	1	YR	2		03230110	Y*	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 2023-2024

**Department: English Language Arts**

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

## JOURN YRBK II ADV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66720000	JRN YRBK II ADV	09 - 12	1	YR	2		03230120	Y*	TIER 2

**Prerequisite:** Journalism/Application

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

## JOURN YRBK III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66740000	JOURN YRBK III	09 - 12	1	YR	2		03230130	Y*	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.

## JOURNAL NEWS I ADV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66610000	JRN NEWS I ADV	09 - 12	1	YR	2		03230140	Y*	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 2023-2024

**Department: English Language Arts**

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

## JOURNAL NEWS II ADV

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

**Prerequisite:** Journalism/Application

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

## JOURNAL NEWS III ADV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66630000	JRN NEW III ADV	09 - 12	1	YR	2		03230160	Y*	TIER 2

**Prerequisite:** Journalism/Application

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

## JOURNALISM

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

**Prerequisite:** Honors English 1 or 2

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

## MEDIA LIT JOURN

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66510000	MEDIA LIT JOURN	09 - 12	1	YR	2		03241401	Y*	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.

# Willis High School Course Catalog for 2023-2024

**Department: English Language Arts**

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

## PHOTO JOURNALISM

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66730000	PHOTO JOURNAL	09 - 12	1	YR	2		03230800	Y*	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.

## PUBLIC SPEAKING I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66110000	PUBLIC SPEAK I	09 - 12	1	YR	2		03240900	Y*	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.

## PUBLIC SPEAKING II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66120000	PUBLIC SPEAK II	09 - 12	1	YR	2		03241000	Y*	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.

## READING I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61600000	READING I	09 - 12	1	YR	2		03270700	Y*	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 2023-2024

**Department: English Language Arts**

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

## RESEARCH/TECHNICAL WRITING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>61520000</b>	RSRCH/TW	09 - 12	1	YR	2		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 2023-2024

**Department: English Language Arts**

**Program: English**

## ENGLISH I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61110000	ENG I	09 - 12	1	YR	2		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 I HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61110P00	ENG I HNR	09 - 12	1	YR	2	H	03220100	Y*	TIER 1

**Prerequisite:** Honors 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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61210000	ENGLISH II	09 - 12	1	YR	2		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 II HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61210P00	ENG II HNR	09 - 12	1	YR	2	H	03220200	Y*	TIER 1

**Prerequisite:** English 1; Honors requirements

Honors 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. Honors students will also gain expertise in critical evaluation and rhetorical analysis. To be successful in English 2 Honors, students must be prepared to complete many assignments outside of class.

# Willis High School Course Catalog for 2023-2024

**Department: English Language Arts**

**Program: English**

## ENGLISH III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310000	ENG III	09 - 12	1	YR	2		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.

## ENGLISH III DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61310D00	ENG III DC	09 - 12	1	YR	2	D	03220300	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA scores (TSI Preferred) and have completed English II.

First Semester: 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. Second Semester: ENGL 1302: A multi-paragraph composition course, including including language study and the mechanics of writing, with examples from selected readings. A continuation of ENGL 1301, 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 (3 college hours earned each semester).

## ENGLISH IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410000	ENG IV	09 - 12	1	YR	2		03220400	Y*	TIER 2

**Prerequisite:** English 3

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

## ENGLISH IV DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
61410D00	ENG IV DC	09 - 12	1	YR	2	D	03220400	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA scores (TSI Preferred) and have completed English III DC (ENGL 1301 & 1302).

First Semester: 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. Second Semester: ENGL 1302: 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 (3 college hours earned each semester).

# Willis High School Course Catalog for 2023-2024

**Department: English Language Arts**

**Program: For Speakers of Other Languages**

## ENGLISH I SOL

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>61150S00</b>	ENG I SOL	09 - 12	1	YR	2		03200600	Y*	TIER 2

**Prerequisite:** Counselor Approval

## ENGLISH II SOL

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>61250S00</b>	ENG II SOL	09 - 12	1	YR	2		03200700	Y*	TIER 2

**Prerequisite:** Counselor Approval



# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Art**

## Art Appreciation

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67150000	Art Appreciation	09 - 12	1	YR	2		03500110	N	TIER 2

**Prerequisite:** None

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques and Purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural and Historical contexts.

## Program: Advanced Placement (AP) courses

### ART AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67120A00	ART AP	09 - 12	1	YR	2	P	A3500300	Y*	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 2023-2024

**Department: Fine Arts**

**Program: Art**

## ART I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6700000	ART I	09 - 12	1	YR	2		03500100	Y*	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 II CERAMICS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6704000	ART II CERAMICS	09 - 12	1	YR	2		03500900	Y*	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 II DRAWING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6701000	ART II DRAWING	09 - 12	1	YR	2		03500500	Y*	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 II PAINTING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6702000	ART II PAINTING	09 - 12	1	YR	2		03500600	Y*	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 2023-2024

**Department: Fine Arts**

**Program: Art**

## ART II SCULPTURE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67030000	ART II SCULPTRE	09 - 12	1	YR	2		03501000	Y*	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 III CERAMICS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67080000	ART III CERAMIC	09 - 12	1	YR	2		03501800	Y*	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.

## ART III DRAWING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67050000	ART III DRAWING	09 - 12	1	YR	2		03501300	Y*	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 III PAINTING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67060000	ART III PAINT	09 - 12	1	YR	2		03501400	Y*	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.

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Art**

## ART III SCULPTURE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67070000	ART III SCULPT	09 - 12	1	YR	2		03501900	Y*	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 IV CERAMICS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67130000	ART IV CERAMIC	09 - 12	1	YR	2		03502700	Y*	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 IV DRAWING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67090000	ART IV DRAWING	09 - 12	1	YR	2		03502300	Y*	TIER 2

**Prerequisite:** Art 3

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

## ART IV PAINTING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67100000	ART IV PAINTING	09 - 12	1	YR	2		03502400	Y*	TIER 2

**Prerequisite:** Art 3

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

## ART IV SCULPTURE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67110000	ART IV SCULPT	09 - 12	1	YR	2		03502800	Y*	TIER 2

**Prerequisite:** Art 3

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

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Dance**

## DANCE COMPOSITION I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75310000</b>	DANCE COMPO I	09 - 12	1	YR	2		03832500	Y*	TIER 2

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

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

## DANCE COMPOSITION II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75320000</b>	DANCE COMP II	09 - 12	1	YR	2		03832600	Y*	TIER 2

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

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

## DANCE COMPOSITION III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75330000</b>	DANCE COMP III	09 - 12	1	YR	2		03832700	Y*	TIER 2

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

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

## Dance Composition IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75340000</b>	DANCE COMP IV	09-12	1	YR	2		03832800	Y*	TIER 2

**Prerequisite:** Dance Composition III

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

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Dance**

## **DANCE I**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>68350000</b>	DANCE I	09 - 12	1	YR	2		03830100	Y*	TIER 2

**Prerequisite:** None

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

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Dance**

## DANCE II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68360000	DANCE II	09 - 12	1	YR	2		03830200	Y*	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 III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68370000	DANCE III	09 - 12	1	YR	2		03830300	Y*	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 IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68380000	DANCE IV	09 - 12	1	YR	2		03830400	Y*	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.

## DRILL TEAM I

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

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

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

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Dance**

## DRILL TEAM II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68320000	DRILL TEAM II	09 - 12	1	YR	2		03830200	Y*	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 III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68330000	DRILL TEAM III	09 - 12	1	YR	2		03830300	Y*	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 IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68340000	DRILL TEAM IV	09 - 12	1	YR	2		03830400	Y*	TIER 2

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

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



# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Fine Arts**

## ART DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67140D00	ART DC	11 - 12	1	YR	2	D	A3500100	Y*	TIER 1

**Prerequisite:** Pass TSI

Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Music**

## APPLIED MUSIC I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67710000	APPLIED MUSIC I	09 - 12	1	YR	2		03152500	Y*	TIER 2

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

\*Applied Music 1 must be taken before Applied Music 2. An individualized music program with in-depth, concentrated study of the basics through scales, etudes, rhythms, and terminology to the very advanced stage of the individual's ability. All students will be required to participate in the Regional Band Auditions, and UIL Solo and Ensemble competitions. Applied Music 1 is recommended for 11th and 12th graders. 10th graders will be considered on a case by case basis.

## APPLIED MUSIC II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67720000	APPLIED MUSC II	09 - 12	1	YR	2		03152600	Y*	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.

## CONCERT BAND I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67410000	CONCERT I	09 - 12	1	YR	2		03150100	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67420000	CONCERT II	09 - 12	1	YR	2		03150200	Y*	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 2023-2024

**Department: Fine Arts**

**Program: Music**

## CONCERT BAND III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67430000	CONCERT III	09 - 12	1	YR	2		03150300	Y*	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 IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67440000	CONCERT IV	09 - 12	1	YR	2		03150400	Y*	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.

## GUITAR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68200000	GUITAR I	09 - 12	1	YR	2		03154600	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68210000	GUITAR II	09 - 12	1	YR	2		03154700	Y*	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.

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Music**

## GUITAR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68230000	GUITAR III	09 - 12	1	YR	2		03154800	Y*	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 IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68240000	GUITAR IV	09 - 12	1	YR	2		03154900	Y*	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 I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67610000	JAZZ BAND I	09 - 12	1	YR	2		03151300	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67620000	JAZZ BAND II	09 - 12	1	YR	2		03151400	Y*	TIER 2

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Music**

## JAZZ BAND III

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

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

## JAZZ BAND IV

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

**Prerequisite:** Instructor approval & Audition

See Jazz Band 1

## JV CHOIR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68010000	JV CHOIR I	09 - 12	1	YR	2		03150900	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68020000	JV CHOIR II	09 - 12	1	YR	2		03151000	Y*	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 III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68030000	JV CHOIR III	09 - 12	1	YR	2		03151100	Y*	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.

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Music**

## JV CHOIR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68040000	JV CHR IV	09 - 12	1	YR	2		03151200	Y*	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.

## MUSIC APPRECIATION

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67910000	MUSIC APPRECIAT	09 - 12	1	YR	2		03155600	Y*	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 I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67810000	MUSIC THEORY I	09 - 12	1	YR	2		03155400	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67820000	MUSIC THEORY II	09 - 12	1	YR	2		03155500	Y*	TIER 2

**Prerequisite:** 6781; Inst. Approval

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

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Music**

## SYMPHONIC BAND I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67510000	SYMPHONIC I	09 - 12	1	YR	2		03150100	Y*	TIER 2

**Prerequisite:** Instructor approval & Audition

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

## SYMPHONIC BAND II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67520000	SYMPHONIC II	09 - 12	1	YR	2		03150200	Y*	TIER 2

**Prerequisite:** Instructor approval & Audition

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

## SYMPHONIC BAND III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67530000	SYMPHONIC III	09 - 12	1	YR	2		03150300	Y*	TIER 2

**Prerequisite:** Instructor approval & Audition

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

## SYMPHONIC BAND IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67540000	SYMPHONIC IV	09 - 12	1	YR	2		03150400	Y*	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 2023-2024

**Department: Fine Arts**

**Program: Music**

## V CHOIR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68110000	V CHOIR I	09 - 12	1	YR	2		03150900	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68120000	V CHOIR II	09 - 12	1	YR	2		03151000	Y*	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 III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68130000	V CHOIR III	09 - 12	1	YR	2		03151100	Y*	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 IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
68140000	V CHOIR IV	09 - 12	1	YR	2		03151200	Y*	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 2023-2024

**Department: Fine Arts**

**Program: Music**

## WIND ENSBL I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67310000	WIND ENSBL I	09 - 12	1	YR	2		03150100	Y*	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 II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67320000	WIND ENSBL II	09 - 12	1	YR	2		03150200	Y*	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 III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67330000	WIND ENSBL III	09 - 12	1	YR	2		03150300	Y*	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 IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
67340000	WIND ENSBL IV	09 - 12	1	YR	2		03150400	Y*	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 2023-2024

**Department: Fine Arts**

**Program: Theatre**

## TH ARTS I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67210000</b>	TH ARTS I	09 - 12	1	YR	2		03250100	Y*	TIER 2

**Prerequisite:** None

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

## TH ARTS II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67220000</b>	TH ARTS II	09 - 12	1	YR	2		03250200	Y*	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 III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67230000</b>	TH ARTS III	09 - 12	1	YR	2		03250300	Y*	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 IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67240000</b>	TH ARTS IV	09 - 12	1	YR	2		03250400	Y*	TIER 2

**Prerequisite:** Theatre Arts 3; Instructor Approval

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

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Theater**

## Technical Theater I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67250000</b>	TECH THEATRE I	09 - 12	1	YR	2		03250500	Y*	TIER 2

Prerequisite:

Provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

## Technical Theater II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67260000</b>	TECH THEATRE II	09 - 12	1	YR	2		03250600	Y*	TIER 2

Prerequisite: Technical Theater I

Technical Theatre I, II, III, IV provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

## Technical Theater III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67270000</b>	TECH THEATRE III	11 - 12	1	YR	2		03251100	Y*	TIER 2

Prerequisite: Technical Theater II

Technical Theatre III, IV provide a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

# Willis High School Course Catalog for 2023-2024

**Department: Fine Arts**

**Program: Theater**

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## **Technical Theater IV**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>67280000</b>	TECH THEATRE IV	12	1	YR	2		03251200	Y*	TIER 2

Prerequisite: Technical Theater III

Technical Theatre IV provides a workshop atmosphere for students to have the opportunity to learn the various aspects of technical production by designing and building shows, including areas in lighting design, set design, makeup design, costume design, properties, sound, public relations, and theatre management.

# Willis High School Course Catalog for 2023-2024

**Department: Health**

**Program: Health**

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## HEALTH

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>66090000</b>	HEALTH	09 - 12	0.5	SM	1		03810100	Y*	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. Department: Languages Other Than English Program: Advanced Placement (AP) courses

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# Willis High School Course Catalog for 2023-2024

**Department: Languages Other Than English**

**Program: Languages Other Than English**

## GERMAN IV AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65450A00	GERMAN IV AP	09 - 12	1	YR	2	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 IV AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65410A00	SPANISH IV AP	09 - 12	1	YR	2	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 IV NS AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65420A00	SPANI IV NS AP	09 - 12	1	YR	2	P	A3440100	Y*	TIER 1

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

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

## SPANISH V AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65510A00	SPANISH V AP	09 - 12	1	YR	2	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 2023-2024

**Department: Languages Other Than English**

**Program: Languages Other Than English**

## GERMAN I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65150000	GERMAN I	09 - 12	1	YR	2		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 II

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

**Prerequisite:** German 1

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

## GERMAN II HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65250P00	GERMAN II HNR	09 - 12	1	YR	2	H	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 Honors builds on the foundations developed in German I. And the primary instruction is in German. Students must be prepared for the supplemental expansion of the curriculum as well as the increased vigor of the classroom.

## GERMAN III HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65350P00	GERMAN III HNR	09 - 12	1	YR	2	H	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.

## SPAN I NS CBE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
651100N0	SPAN I NS CBE	09 - 12	1	YR	2		03440110	Y*	TIER 2

**Prerequisite:** Concurrent enrollment in SPANISH 2 NS (652100N0)

# Willis High School Course Catalog for 2023-2024

**Department: Languages Other Than English**

**Program: Languages Other Than English**

## SPAN III NS HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65320PNO	SPAN III NS HNR	09 - 12	1	YR	2	H	03440300	Y*	TIER 1

**Prerequisite:** Spanish 2/Application

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

## SPANISH I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65110000	SPANISH I	09 - 12	1	YR	2		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 I HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65110P00	SPANISH I HNR	09 - 12	1	YR	2	H	03440100	Y*	TIER 1

**Prerequisite:** None

The students in this class will be exposed to basic vocabulary usage of the Spanish language. They will learn proper verb conjugation using the present tense. The course will provide opportunities to read, listen, write, and speak with correct pronunciation. The culture of Spanish-speaking countries will be experienced through holiday activities, history, legends, and readings. Oral proficiency will be a major goal. The students will be introduced to the more rigorous Advanced Placement realm of study. The course will follow the ACTFL World-Readiness Standards of Communication, Cultures, Connections, Comparisons, and Communities.

## SPANISH II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65210000	SPANISH II	09 - 12	1	YR	2		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 2023-2024

**Department: Languages Other Than English**

**Program: Languages Other Than English**

## SPANISH II HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65210P00	SPANISH II HNR	09 - 12	1	YR	2	H	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. Honors 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 II NS

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

**Prerequisite:** Administration Approval

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

## SPANISH III HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65310P00	SPANISH III HNR	09 - 12	1	YR	2	H	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.

## SPANISH IV DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
65410D00	SPANISH IV DC	11 - 12	1	YR	2	D	03440400	Y*	TIER 1

**Prerequisite:** Spanish III and Pass TSI

This course is designed for students who are not native Spanish speakers. This dual credit course is an intensive study of grammar necessary for accurate written expression, along with culture and extensive language development. Spanish is spoken exclusively in the classroom.

# Willis High School Course Catalog for 2023-2024

**Department: Local Credit**

**Program: Local Credit**

## **ATHLETIC TRAINER**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>7551000L</b>	ATH TRAINER	09 - 12	1	YR	2		85000TR2	N	TIER 2

**Prerequisite:**

## **EARLY RELEASE OLYMPIC TRAINING**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>8464000L</b>	ER OLYMPIC TRN	09 - 12	0	YR	2		84200OLY	N	TIER 2

**Prerequisite:**

## **GERMAN CULTURAL & LINGUISTIC**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6517000L</b>	GERCLT	09 - 12	1	YR	2		84600GRM	N	TIER 2

**Prerequisite:**

## **GT IND RESEARCH**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6620000L</b>	GT IND RESEARCH	09 - 12	1	YR	2		85000GTR	N	TIER 2

**Prerequisite:**

## **MATH LAB**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6260000L</b>	MATH LAB	09 - 12	1	YR	2		84100M12	N	TIER 2

**Prerequisite:**

## **OFFICE AIDE**

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6684000L</b>	OFFICE AIDE	09 - 12	1	YR	2		85000AID	N	TIER 2

**Prerequisite:**

# Willis High School Course Catalog for 2023-2024

**Department: Local Credit**

**Program: Local Credit**

## SPANISH CULTURAL & LINGUISTIC

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6512000L</b>	SPANCLT	09 - 12	1	YR	2		84600SPN	N	TIER 2

**Prerequisite:** None

## STUDENT COUNCIL LEADERSHIP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>6682000L</b>	ST COUN LDRSHP	09 - 12	1	YR	2		85000SCL	N	TIER 2

**Prerequisite:** None

# Willis High School Course Catalog for 2023-2024

**Department: Mathematics**

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

## CALCULUS AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62450A00	CALCULUS AP	09 - 12	1	YR	2	P	A3100101	Y*	TIER 1

**Prerequisite:** Precal; AP requirements

This course is designed to provide the student with a basic knowledge of functions, limits, continuity, differentiation, and integration of algebraic and trigonometric functions, applications of differentiation, and an introduction to applications of the definite integral. A graphing calculator is required. Check for a list of approved calculators from the AP Central website.

## STATISTICS AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62470A00	STATISTICS AP	09 - 12	1	YR	2	P	A3100200	Y*	TIER 1

**Prerequisite:** Algebra 2 PreAP

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

# Willis High School Course Catalog for 2023-2024

**Department: Mathematics**

**Program: Mathematics**

## ADV QUANTITATIVE REASONING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62410000</b>	ADV QUANT REAS	09 - 12	1	YR	2		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 I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62110000</b>	ALGEBRA I	09 - 12	1	YR	2		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 I HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62110P00</b>	ALGEBRA I HNR	09 - 10	1	YR	2	H	03100500	Y*	TIER 1

**Prerequisite:** None

This course stresses the importance of algebraic thinking and symbolic reasoning. Students investigate the relationship between equations and functions. Functions are used to model problems and to analyze and interpret relationships. This honors course involves extended thinking skills and applications including required projects. This course is recommended for college bound students. A graphing calculator is strongly recommended.

## ALGEBRA II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62310000</b>	ALGEBRA II	09 - 12	1	YR	2		03100600	Y*	TIER 2

**Prerequisite:** Algebra I

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

# Willis High School Course Catalog for 2023-2024

**Department: Mathematics**

**Program: Mathematics**

## ALGEBRA II HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62310P00	ALGEBRA II HNR	09 - 12	1	YR	2	H	03100600	Y*	TIER 1

**Prerequisite:** Algebra I & Honors 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.

## ALGEBRAIC REASONING

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62420000	ALGEBRAIC REASN	10 - 12	1	YR	2		03102540	Y*	TIER 2

**Prerequisite:** Algebra I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

## ALGEBRAIC REASONING HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62420P00	ALG REASN HNR	11 - 12	1	YR	2	H	03102540	Y*	TIER 1

**Prerequisite:** Algebra I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets. Skills gained in this course will prepare students to take the TSI.

## BUSINESS CALCULUS DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
62490D00	BUS CALCULUS DC	11-12	1	SM/YR	2	D	3102501	Y*	Tier 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed College Algebra (Math 1314).  
 Math 1325: This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. (3 college hours earned).

# Willis High School Course Catalog for 2023-2024

**Department: Mathematics**

**Program: Mathematics**

## CALCULUS DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62460D00</b>	CALCULUS DC	09 - 12	1	YR	2	D	03102501	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed College Algebra (Math 1314), Trigonometry (Math 1316), and Pre-calculus DC (Math 2412).

Math 2413: 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 (4 college hours earned).

## COLLEGE ALG DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62120D00</b>	COLLEGE ALG DC	09 - 12	1	YR	2	D	03102500	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed Algebra II.

Math 1314: 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 (3 college hours earned).

## GEOMETRY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62210000</b>	GEOMETRY	09 - 12	1	YR	2		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.

## GEOMETRY HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62210P00</b>	GEOMETRY HNR	09 - 12	1	YR	2	H	03100700	Y*	TIER 1

**Prerequisite:** Algebra 1, Honors requirements

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

# Willis High School Course Catalog for 2023-2024

**Department: Mathematics**

**Program: Mathematics**

## MATH ELEM TEACHERS DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62500D00</b>	MTH EL TCHR DC	09 - 12	1	YR	2	D	03102500	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed College Algebra (Math 1314).

Math 1350: This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking (3 college hours earned).

## MMWA

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62200000</b>	MMWA	09 - 12	1	YR	2		03102400	Y*	TIER 2

**Prerequisite:** Algebra I; Approval Only

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

## PRECAL DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62430D00</b>	PRECAL DC	09 - 12	1	YR	2	D	03101100	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed College Algebra (Math 1314).

First Semester: 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 and graphs of the trigonometric functions. A graphing calculator is required. Second Semester: 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 (3 college hours earned first semester and 4 college hours earned second semester).

## PRECAL HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62430P00</b>	PRECAL HNR	09 - 12	1	YR	2	H	03101100	Y*	TIER 1

**Prerequisite:** Algebra 1, Algebra 2, Geometry; Honors 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 2023-2024

**Department: Mathematics**

**Program: Mathematics**

## PRECALCULUS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62430000</b>	PRECALCULUS	09 - 12	1	YR	2		03101100	Y*	TIER 2

**Prerequisite:** Algebra I, Geometry, and Algebra II

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 Precalculus 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.

## STATISTICS DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>62480D00</b>	STATISTICS DC	09 - 12	1	SM/YR	2	D	03102530	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed Algebra II.

Math 1342: In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis (3 college hours earned).

# Willis High School Course Catalog for 2023-2024

**Department: Other Electives**

**Program:**

## COMMUNITY TRANSPORTATION

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
60800000	COMMUNITY TRANS	09 - 12	0.5	SM	1		N1304660	Y*	TIER 2

**Prerequisite:** None

The purpose of this course is to introduce knowledge and skills to empower students to research and access public transportation options in their respective communities. Areas to be addressed include pedestrian and rider safety, navigating public transportation systems, use of technology, and general social skills, including self-advocacy, self-assertiveness, and transportation etiquette. This course provides necessary transportation information, resources, and opportunities that will benefit students in secondary and postsecondary environments as they follow their chosen education or career path.

## SPORTS MEDICINE I

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

**Prerequisite:** Trainer Approval/Application Required

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

## SPORTS MEDICINE II

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

**Prerequisite:** Prerequisite: Trainer Approval/Application Required

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

## TEEN LEADERSHIP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
66810000	TEEN LEADERSHIP	09 - 12	0.5	SM	1	X	N1290012	Y*	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.

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**Department: Physical Education**

**Program: PE Substitution**

## BASEBALL YR I

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BASEBALL YR II

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BASEBALL YR III

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BASEBALL YR IV

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS BASKETBALL YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80050000</b>	BOYS BBALL YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

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**Program: PE Substitution**

## BOYS BASKETBALL YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80060000</b>	BOYS BBALL Y II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS BASKETBALL YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80070000</b>	BOY BALL YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS BASKETBALL YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80080000</b>	BOY BBALL YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS GOLF YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80170000</b>	BOYS GOLF YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS GOLF YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80180000</b>	BOYS GOLF YR II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

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## BOYS GOLF YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80190000</b>	BOY GOLF YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS GOLF YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80200000</b>	BOYS GOLF YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS SOCCER YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80090000</b>	BOYS SOCC YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS SOCCER YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80100000</b>	BOY SOCCR Y II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## BOYS SOCCER YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80110000</b>	BOY SOCC YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

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**Program: PE Substitution**

## BOYS SOCCER YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80120000</b>	BOYS SOCC YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## CROSS COUNTRY YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82050000</b>	CROSSCOUNT YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## CROSS COUNTRY YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82060000</b>	CROSCOUNTRY YII	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## CROSS COUNTRY YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82070000</b>	CROSSCOU YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## CROSS COUNTRY YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82080000</b>	CROSSCOUN YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

# Willis High School Course Catalog for 2023-2024

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**Program: PE Substitution**

## FOOTBALL YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80010000</b>	FOOTBALL YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## FOOTBALL YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80020000</b>	FOOTBALL YR II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## FOOTBALL YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80030000</b>	FOOTBALL YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## FOOTBALL YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>80040000</b>	FOOTBALL YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS BASKETBALL YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81050000</b>	GIRLS BBAL YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

# Willis High School Course Catalog for 2023-2024

**Department: Physical Education**

**Program: PE Substitution**

## GIRLS BASKETBALL YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81060000</b>	GIRL BBALL YII	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS BASKETBALL YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81070000</b>	GIRL BAL YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS BASKETBALL YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81080000</b>	GIRL BALL YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS GOLF YR I

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS GOLF YR II

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



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**Program: PE Substitution**

## GIRLS GOLF YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81190000</b>	GIR GOLF YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS GOLF YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81200000</b>	GIRL GOLF YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS SOCCER YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81090000</b>	GIRLS SOCC YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS SOCCER YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81100000</b>	GIRL SOCCR Y II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## GIRLS SOCCER YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81110000</b>	GIRL SOC YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

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## GIRLS SOCCER YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81120000</b>	GIRL SOCC YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## INDIVIDUAL & TEAM SPORT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75010000</b>	IND & TEAM SPRT	09 - 12	1	YR	2		PES00055	Y*	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 I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>83010000</b>	PE NON DIST I	09 - 12	1	YR	2		PES00008	Y*	TIER 2

**Prerequisite:**

## PE NON DIST II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>83020000</b>	PE NON DIST II	09 - 12	1	YR	2		PES00009	Y*	TIER 2

**Prerequisite:**

## PE NON DIST III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>83040000</b>	PE NON DIST III	09 - 12	1	YR	2		PES00010	Y*	TIER 2

**Prerequisite:**

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**Program: PE Substitution**

## PE NON DIST IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>83050000</b>	PE NON DIST IV	09 - 12	1	YR	2		PES00011	Y*	TIER 2

**Prerequisite:**

## SOFTBALL YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81130000</b>	SOFTBALL YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## SOFTBALL YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81140000</b>	SOFTBALL YR II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## SOFTBALL YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81150000</b>	SOFTBALL YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## SOFTBALL YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81160000</b>	SOFTBALL YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## SWIM I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82110000</b>	SWIM I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:**

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## SWIM III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82130000</b>	SWIM III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:**

## SWIM IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82140000</b>	SWIM IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:**

## SWIM YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82120000</b>	SWIM YR II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:**

## TENNIS YR I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82010000</b>	TENNIS YR I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## TENNIS YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>82020000</b>	TENNIS YR II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## TENNIS YR III

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

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## TENNIS YR IV

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## VOLLEYBALL YR I

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

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## VOLLEYBALL YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81020000</b>	VOLLYBALL YR II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## VOLLEYBALL YR III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81030000</b>	VOLLEYBA YR III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

## VOLLEYBALL YR IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>81040000</b>	VOLLEYBAL YR IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:** None

University Interscholastic League (UIL) Competitive Sport

# Willis High School Course Catalog for 2023-2024

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## WRESTLING I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82210000	WRESTLING I	09 - 12	1	YR	2		PES00000	Y*	TIER 2

**Prerequisite:**

## WRESTLING III

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82230000	WRESTLING III	09 - 12	1	YR	2		PES00002	Y*	TIER 2

**Prerequisite:**

## WRESTLING IV

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82240000	WRESTLING IV	09 - 12	1	YR	2		PES00003	Y*	TIER 2

**Prerequisite:**

## WRESTLING YR II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
82220000	WRESTLING YR II	09 - 12	1	YR	2		PES00001	Y*	TIER 2

**Prerequisite:**

# Willis High School Course Catalog for 2023-2024

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**Program: Physical Education**

## AEROBIC ACTIVITIES

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75020000</b>	AEROBIC ACT	09 - 12	1	YR	2		PES00054	Y*	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.

## PERSONAL FITNESS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>75000000</b>	PERSONAL FIT	09 - 12	1	YR	2		PES00052	Y*	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 2023-2024

## Department: Science

### Program: Advanced Placement (AP) courses

#### BIOLOGY AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110A00	BIOLOGY AP	09 - 12	1	YR	2	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.

### Program: Advanced Placement (AP) courses

#### AP Environmental Science

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63550A00	AP ENV SCIENCE	11-12	1	YR	2		A3020000	Y*	TIER 1

**Prerequisite:** 2 years of high school laboratory science, at least 1 year of algebra

Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. This course will include laboratory investigations and field work.

#### CHEMISTRY AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310A00	CHEMISTRY AP	09 - 12	1	YR	2	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 AP I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63520A00	PHYSICS AP I	10 - 12	1	YR	2	P	A3050003	Y*	TIER 1

**Prerequisite:** Geometry and concurrent enrollment in Algebra II or equivalent (Honors recommended)

This is the honors 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 2023-2024

### PHYSICS AP2

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63530A00	PHYSICS AP2	09 - 12	1	YR	2	P	A3050004	Y	TIER 1

**Prerequisite:** AP Physics I and Pre-Cal or concurrent

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 2023-2024

**Department: Science**

**Program: Science**

## AQUATIC SCIENCE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63620000	AQUATIC SCIENCE	09 - 12	1	YR	2		03030000	Y*	TIER 2

**Prerequisite:** Biology

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

## ASTRONOMY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63630000	ASTRONOMY	09 - 12	1	YR	2		03060100	Y*	TIER 2

**Prerequisite:** 2 Science Credits

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

## BIOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110000	BIOLOGY	09 - 12	1	YR	2		03010200	Y*	TIER 2

**Prerequisite:** None

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

## BIOLOGY HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63110P00	BIOLOGY HNR	09 - 12	1	YR	2	H	03010200	Y*	TIER 1

**Prerequisite:** Honors requirements

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

## CHEMISTRY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310000	CHEMISTRY	09 - 12	1	YR	2		03040000	Y*	TIER 2

**Prerequisite:** Biology

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

# Willis High School Course Catalog for 2023-2024

**Department: Science**

**Program: Science**

## CHEMISTRY HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63310P00	CHEMISTRY HNR	09 - 12	1	YR	2	H	03040000	Y*	TIER 1

**Prerequisite:** Bio & Alg 2 Honors, or concurrent; Honors requirements

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

## EARTH & SPACE

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63640000	EARTH & SPACE	09 - 12	1	YR	2		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.

## ENVIRONMENTAL SCI DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63650D00	ENVIRON SCI DC	11 - 12	1	YR	2	D	A3020000	Y*	TIER 1

**Prerequisite:** Pass TSI

Interdisciplinary study of both natural (biology, chemistry, geology) and social (economics, politics, ethics) sciences as they apply to the environment. Focus is on the role of science in addressing global environmental concerns. Concepts include ethics, policy, matter, energy, species biodiversity, ecology, human populations, food and agriculture. Practical laboratory experience emphasizes the application of fundamental principles of biology and chemistry as well as critical thinking and analysis.

## ENVIRONMENTAL SYSTEMS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63610000	ENVIR SYSTEMS	09 - 12	1	YR	2		03020000	Y*	TIER 2

**Prerequisite:** Administrative Approval

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

## IPC

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63210000	IPC	09 - 12	1	YR	2		03060201	Y*	TIER 2

**Prerequisite:** Alg 1 or concurrent

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

# Willis High School Course Catalog for 2023-2024

**Department: Science**

**Program: Science**

## PHYSICS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
63420000	PHYSICS	09 - 12	1	YR	2		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 2023-2024

## Department: Social Studies

### Program: Advanced Placement (AP) courses

#### GOVERNMENT AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64410A00	GOVERNMENT AP	09 - 12	0.5	SM	1	P	A3330100	Y*	TIER 1

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

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

#### HUMAN GEOGRAPHY AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64120A00	HUMAN GEO AP	09 - 12	1	YR	2	P	A3360100	Y*	TIER 1

**Prerequisite:** None

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).

#### PSYCHOLOGY AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64620A00	PSYCHOLOGY AP	11 - 12	0.5	SM	1		A3350100	Y*	TIER 1

**Prerequisite:** None

Psychology AP introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. They also learn about the ethics and methods psychologists use in their science and practices.

#### US HISTORY AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64310A00	US HISTORY AP	09 - 12	1	YR	2	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.

# Willis High School Course Catalog for 2023-2024

**Department: Social Studies**

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

## WORLD HISTORY AP

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64230A00	WORLD HISTOR AP	09 - 12	1	YR	2	P	A3370100	Y*	TIER 1

**Prerequisite:** AP requirements

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

# Willis High School Course Catalog for 2023-2024

**Department: Social Studies**

**Program: Social Studies**

## GOVERNMENT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64410000	GOVERNMENT	09 - 12	0.5	SM	1		03330100	Y*	TIER 2

**Prerequisite:** U. S. History

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

## GOVERNMENT DUAL CREDIT

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

**Prerequisite:** Must have qualifying ELA scores (TSI Preferred), and it is recommended that students have complete US History (can take concurrently).

**GOVT 2305: Federal Government:** Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights (3 college hours earned).

## GOVERNMENT DUAL CREDIT - TEXAS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
6441BD00	GOVERNMENT DC - TEXAS	09-12	0.5	SM	1	D	03330100	Y*	TIER 1

**Prerequisite:** Prerequisite: Must have qualifying ELA scores (TSI Preferred), and it is recommended that students have Complete US History (can take concurrently).

**GOVT 2306: Texas Government:** Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation,

## MICROECONOMICS DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64520D00	MICROECONOM DC	12	0.5	SM	1	D	A3310100	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA & Math Scores (TSI Preferred) and have completed US History (can take concurrently).

ECON 2302: Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade (3 college hours earned).

# Willis High School Course Catalog for 2023-2024

**Department: Social Studies**

**Program: Social Studies**

## PSYCHOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64620000</b>	PSYCHOLOGY	09 - 12	0.5	SM	1		03350100	Y*	TIER 2

**Prerequisite:** None

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

## PSYCHOLOGY DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64620D00</b>	PSYCHOLOGY DC	09 - 12	0.5	SM	1	D	03350100	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA scores and Math scores (TSI Preferred).

PSYC 2301: 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 (3 college hours earned).



# Willis High School Course Catalog for 2023-2024

**Department: Social Studies**

**Program: Social Studies**

## SOCIOLOGY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64610000	SOCIOLOGY	09 - 12	0.5	SM	1		03370100	Y*	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\_I

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64350000	STSS_I	09 - 12	0.5	SM	1		03380002	Y*	TIER 2

**Prerequisite:** None

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

## SP TOPICS SS\_II

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64360000	STSS_II	09 - 12	0.5	SM	1		03380022	Y*	TIER 2

**Prerequisite:** None

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

## US HISTORY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
64310000	US HISTORY	09 - 12	1	YR	2		03340100	Y*	TIER 2

**Prerequisite:** World History

# Willis High School Course Catalog for 2023-2024

**Department: Social Studies**

**Program: Social Studies**

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

## US HISTORY DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64310D00</b>	US HISTORY DC	09 - 12	1	YR	2	D	03340100	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA scores (TSI Preferred), and it is recommended that students have complete World History.

First semester: HIST 1301: A survey of U.S. history from Pre-Contact Societies through Reconstruction. Themes to be developed include westward expansion and globalization, slavery, Native Americans, and religious and social changes. An additional purpose of this course is to introduce students to the skills and practices of history. Second Semester: HIST 1302: A survey of U.S. history from 1877 to the present. Topics will include western expansion, industrialization, immigration, imperialism, economic, political and social developments, the wars of the 20th century and the changing status and conditions of women and minorities. Another purpose of this course is to introduce students to the skills and practices of history (3 college hours earned each semester).

## WORLD GEOGRAPHY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64110000</b>	W GEOGRAPHY	09 - 12	1	YR	2		03320100	Y*	TIER 2

**Prerequisite:** None

A study of people, places, and environments.

## WORLD GEOGRAPHY HONORS

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64110P00</b>	W GEOGRAPHY HNR	09 - 12	1	YR	2	H	03320100	Y*	TIER 1

**Prerequisite:** Honors 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 2023-2024

**Department: Social Studies**

**Program: Social Studies**

## WORLD HISTORY

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64210000</b>	WORLD HISTORY	09 - 12	1	YR	2		03340400	Y*	TIER 2

**Prerequisite:** World Geography

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

## WORLD HISTORY DUAL CREDIT

Course Number	Abbreviation	Preferred Grade(s)	Number of Credits	Duration	SEM Periods / Duration	AAR Code	State Service ID	Included in WGPA	Course Tier Level
<b>64210D00</b>	WORLD HIST DC	11 - 12	1	YR	2	D	03340400	Y*	TIER 1

**Prerequisite:** Must have qualifying ELA scores (TSI Preferred) and completed World Geography.

First semester: HIST 2321: A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the 15th century. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include the emergence of early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange.:

Second Semester: HIST 2322: A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction and impact of global exchange (3 college hours earned each semester).

# **Appendix for 2023-2024**

## **Air Force JROTC**

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

JROTC CADET LEADERSHIP - 6846000L - 85000RTC

JROTC CADET SENIOR STAFF - 6845000L - 85000JRS

JROTC I - 68410000 - PES00004

JROTC II - 68420000 - 03160200

JROTC III - 68430000 - 03160300

JROTC IV - 68440000 - 03160400

## **Career and Technical Education**

### ***Agriculture, Food, and Natural Resources Cluster***

ADVANCED ANIMAL SCIENCE - 7016000C - 13000700

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES - 7011000C - 13002200

AGRICULTURAL POWER SYSTEMS - 7012000C - 13002400

AGRICULTURAL STRUCTURES DESIGN AND FABRICATION - 7013000C - 13002300

EQUINE SCIENCE - 7014000C - 13000500

FLORAL DESIGN - 7023000C - 13001800

FORESTRY AND WOODLAND ECOSYSTEMS - 7190000C - 13001700

GREENHOUSE OPERATION AND PRODUCTION - 7028000C - 13002050

HORTICULTURAL SCIENCE - 7022000C - 13002000

LANDSCAPE DESIGN AND MANAGEMENT - 7185000C - 13001900

PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES (FIRST TIME TAKEN) - 7027000C - 13002500

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES - 7009000C - 13000200

RANGE ECOLOGY AND MANAGEMENT - 7020000C - 13001600

SMALL ANIMAL MANAGEMENT - 7015000C - 13000400

TURF GRASS MANAGEMENT - 7180000C - 13001950

VETERINARY MEDICAL APPLICATIONS - 7017000C - 13000600

WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT - 7018000C - 13001500

## ***Appendix for 2023-2024***

### ***Architecture and Construction Cluster***

ARCHITECTURAL DESIGN I - 7034000C - 13004600  
ARCHITECTURAL DESIGN II - 7039000C - 13004700  
CONSTRUCTION TECHNOLOGY I - 7032000C - 13005100  
CONSTRUCTION TECHNOLOGY II - 7033000C - 13005200  
HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) AND REFRIGERATION TECHNOLOGY I - 7037000C - 13005800  
INTERIOR DESIGN I - 7035000C - 13004300  
INTERIOR DESIGN II - 7036000C - 13004400  
PRACTICUM IN CONSTRUCTION TECHNOLOGY (FIRST TIME TAKEN) - 7029000C - 13005250  
PRINCIPLES OF ARCHITECTURE - 7031000C - 13004210  
PRINCIPLES OF CONSTRUCTION - 7030000C - 13004220

### ***Arts, A/V Technology, and Communications Cluster***

ANNIMATION I – 731100C - 13008300  
AMMIMATION II – 7312000C - 13008400  
3-D MODELING AND ANIMATION - 72020000 - 03580510  
AUDIO/VIDEO PRODUCTION I - 7005000C - 13008500  
AUDIO/VIDEO PRODUCTION I/AUDIO/VIDEO PRODUCTION I LAB - 700500PC - 13008510  
AUDIO/VIDEO PRODUCTION II - 7006000C - 13008600  
AUDIO/VIDEO PRODUCTION II/AUDIO/VIDEO PRODUCTION II LAB - 700600PC - 13008610  
COMMERCIAL PHOTOGRAPHY I - 7007000C - 13009100  
COMMERCIAL PHOTOGRAPHY I/COMMERCIAL PHOTOGRAPHY I LAB - 700700PC - 13009110  
COMMERCIAL PHOTOGRAPHY II - 7008000C - 13009200  
COMMERCIAL PHOTOGRAPHY II/COMMERCIAL PHOTOGRAPHY II LAB - 700800PC - 13009210  
DIGITAL AUDIO TECHNOLOGY I - 7001000C - 13009950  
DIGITAL AUDIO TECHNOLOGY II - 6999000C - 13009960

## ***Appendix for 2023-2024***

### ***Arts, A/V Technology, and Communications Cluster (continued)***

FASHION DESIGN I - 7003000C - 13009300

FASHION DESIGN I/FASHION DESIGN I LAB - 700300PC - 13009310

FASHION DESIGN II - 7004000C - 13009400

FASHION DESIGN II/FASHION DESIGN II LAB - 700400PC - 13009410

GRAPHIC DESIGN AND ILLUSTRATION I - 7320000C - 13008800

GRAPHIC DESIGN AND ILLUSTRATION II - 7321000C - 13008900

PRACTICUM IN AUDIO/VIDEO PRODUCTION (FIRST TIME TAKEN) - 7038000C - 13008700

PRACTICUM IN COMMERCIAL PHOTOGRAPHY (FIRST TIME TAKEN) - 7330000C - 13009250

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (FIRST TIME TAKEN) - 7322000C - 13009000

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS - 7002000C - 13008200

VIDEO GAME DESIGN - 7074000C - 13009970

WEB GAME DEVELOPMENT - 7078000C - 03580830

INTERIOR DESIGN II - 7036000C - 13004400

PRACTICUM IN CONSTRUCTION TECHNOLOGY (FIRST TIME TAKEN) - 7029000C - 13005250

PRINCIPLES OF ARCHITECTURE - 7031000C - 13004210

PRINCIPLES OF CONSTRUCTION - 7030000C - 13004220

# ***Appendix for 2023-2024***

## ***Business Management and Administration Cluster***

BUSINESS ENGLISH - 7080000C - 13011600  
BUSINESS INFORMATION MANAGEMENT I - 7082000C - 13011400  
BUSINESS INFORMATION MANAGEMENT II - 7085000C - 13011500  
BUSINESS LAW - 7083000C - 13011700  
BUSINESS MANAGEMENT - 7086000C - 13012100  
PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE - 7081000C - 13011200  
TOUCH SYSTEM DATA ENTRY - 7079000C - 1301130  
VIRTUAL BUSINESS - 7084000C - 13012000

## ***Career Development***

CAREER PREPARATION I - 7150000C - 12701300  
CAREER PREPARATION II - 7151000C - 12701400

## ***Education and Training Cluster***

HUMAN GROWTH AND DEVELOPMENT - 7133000C - 13014300  
INSTRUCTIONAL PRACTICES - 7132000C - 13014400  
PRACTICUM IN EDUCATION AND TRAINING (FIRST TIME TAKEN) - 7134000C - 13014500  
PRINCIPLES OF EDUCATION AND TRAINING - 7131000C - 13014200

## ***Energy***

OIL AND GAS PRODUCTION I - 7170000C - 13001250  
OIL AND GAS PRODUCTION II - 7171000C - 13001260

## ***Finance Cluster***

ACCOUNTING I - 7092000C - 13016600  
ACCOUNTING II - 7093000C - 13016700  
FINANCIAL MATHEMATICS - 7095000C - 13018000  
MONEY MATTERS - 7096000C - 13016200  
STATISTICS AND BUSINESS DECISION MAKING - 7094000C - 13016900

## ***Health Science Cluster***

ANATOMY AND PHYSIO DUAL CREDIT - 71060D0C - 13020600  
ANATOMY AND PHYSIOLOGY - 7106000C - 13020600  
HEALTH SCIENCE THEORY - 7100000C - 13020400  
HEALTH SCIENCE THEORY/HEALTH SCIENCE CLINICAL - 710200PC - 13020410  
MEDICAL TERMINOLOGY - 7109000C - 13020300  
PHARMACOLOGY - 7107000C - 13020950

## ***Appendix for 2023-2024***

PRACTICUM IN HEALTH SCIENCE (FIRST TIME TAKEN) - 7105000C - 13020500

PRACTICUM IN HEALTH SCIENCE (SECOND TIME TAKEN) - 7103000C - 13020510

PRINCIPLES OF HEALTH SCIENCE - 7101000C - 13020200

### ***Hospitality and Tourism Cluster***

ADVANCED CULINARY ARTS - 7053000C - 13022650

CULINARY ARTS - 7051000C - 13022600

FOOD SCIENCE - 7054000C - 13023000

HOTEL MANAGEMENT - 7056000C - 13022300

INTRODUCTION TO CULINARY ARTS - 7052000C - 13022550

PRACTICUM IN CULINARY ARTS (FIRST TIME TAKEN) - 7055000C - 13022700

PRINCIPLES OF HOSPITALITY AND TOURISM - 7050000C - 13022200



## ***Appendix for 2023-2024***

### ***Human Services Cluster***

CHILD DEVELOPMENT - 7112000C - 13024700  
CHILD GUIDANCE - 7113000C - 13024800  
PRACTICUM IN EARLY LEARNING – 7713000C - 13014520  
COSMETOLOGY I - 7161000C - 13025200  
COSMETOLOGY I/COSMETOLOGY I LAB - 716100PC - 13025210  
COSMETOLOGY II - 7162000C - 13025300  
COSMETOLOGY II/COSMETOLOGY II LAB - 716200PC - 13025310  
COUNSELING AND MENTAL HEALTH - 7108000C - 13024600  
DOLLARS AND SENSE - 7097000C - 13024300  
FAMILY AND COMMUNITY SERVICES - 7116000C - 13024900  
INTERPERSONAL STUDIES - 7115000C - 13024400  
INTRODUCTION TO COSMETOLOGY - 7160000C - 13025100  
LIFETIME NUTRITION AND WELLNESS - 7114000C - 13024500  
PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY - 7163000C - 13025050  
PRINCIPLES OF HUMAN SERVICES - 7111000C - 13024200

### ***Information Technology Cluster***

COMPUTER MAINTENANCE - 7042000C - 13027300  
COMPUTER TECHNICIAN PRACTICUM (FIRST TIME TAKEN) - 7047000C - 13027500  
DIGITAL MEDIA - 7046000C - 13027800  
NETWORKING - 7048000C - 13027400  
PRACTICUM IN INFORMATION TECHNOLOGY (FIRST TIME TAKEN) - 7040000C - 13028000  
PRINCIPLES OF INFORMATION TECHNOLOGY - 7041000C - 13027200  
WEB COMMUNICATIONS - 7076000C - 03580810  
WEB DESIGN - 7077000C - 03580820

### ***Law, Public Safety, Corrections, and Security Cluster***

COURT SYSTEMS AND PRACTICES - 7127000C - 13029600  
CRIMINAL INVESTIGATION - 7126000C - 13029550  
FORENSIC SCIENCE - 7121000C - 13029500  
LAW ENFORCEMENT I - 7122000C - 13029300  
LAW ENFORCEMENT II - 7123000C - 13029400  
PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (FIRST TIME TAKEN) - 7124000C - 13030100  
PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY/EXTENDED PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (FIRST TIME TAKEN) - 7125000C - 13030105  
PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY - 7120000C - 13029200

## ***Appendix for 2023-2024***

### ***Manufacturing Cluster***

INTRODUCTION TO WELDING - 7060000C - 13032250  
METAL FABRICATION AND MACHINING I - 7064000C - 13032700  
METAL FABRICATION AND MACHINING II - 7067D00C - 13032800  
PRACTICUM IN MANUFACTURING (FIRST TIME TAKEN) - 7065000C - 13033000  
PRINCIPLES OF MANUFACTURING - 7061000C - 13032200  
WELDING I - 7062000C - 13032300  
WELDING II - 7063000C - 13032400

### ***Marketing Cluster***

ADVANCED MARKETING - 7089000C - 13034700  
ADVERTISING - 7088000C - 13034200  
ENTREPRENEURSHIP - 7087000C - 13034400  
FASHION MARKETING - 7205000C - 13034300  
FUNDAMENTALS OF REAL ESTATE - 7098000C - N1301120  
PRACTICUM IN MARKETING (FIRST TIME TAKEN) - 7091000C - 13034800  
SOCIAL MEDIA MARKETING - 7204000C - 13034650  
SPORTS AND ENTERTAINMENT MARKETING - 7090000C - 13034600

### ***Science, Technology, Engineering, and Mathematics Cluster***

BIOLOGY DUAL CREDIT - 63110D0C - 13037200  
BIOTECHNOLOGY DUAL CREDIT - 63120D0C - 13036400  
COMPUTER SCIENCE A AP - 72100A0C - A3580110  
COMPUTER SCIENCE I - 7200000C - 03580200  
COMPUTER SCIENCE II - 72030000 - 03580300  
COMPUTER SCIENCE III - 7206000C - 03580350  
COMPUTER SCIENCE PRINCIPLES AP - 72110A0C - A3580300  
CYBERSECURITY CAPSTONE - 7301000C - 03580855  
DISCRETE MATHEMATICS FOR COMPUTER SCIENCE - 72010000 - 03580370  
ENGINEERING DESIGN AND PRESENTATION I - 7071000C - 13036500  
ENGINEERING DESIGN AND PRESENTATION II - 7070000C - 13036600  
FOUNDATIONS OF CYBERSECURITY - 7300000C - 03580850  
FUNDAMENTALS OF COMPUTER SCIENCE - 7199000C - 03580140  
PRINCIPLES OF APPLIED ENGINEERING - 7069000C - 13036200  
PRINCIPLES OF TECHNOLOGY - 7072000C - 13037100  
ROBOTICS I - 7073000C - 13037000  
ROBOTICS II - 7075000C - 13037050

## ***Appendix for 2023-2024***

### ***Transportation, Distribution, and Logistics Cluster***

AUTOMOTIVE BASICS - 7139000C - 13039550

AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR - 7140000C - 13039600

AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE - 7141000C - 13039700

PRACTICUM IN TRANSPORTATION SYSTEMS (FIRST TIME TAKEN) - 7137000C - 13040450

PRINCIPLES OF TRANSPORTATION SYSTEMS - 7138000C - 13039250

### **Economics**

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

ECONOMICS AP - 64510A00 - A3310200

#### ***Economics***

ECONOMICS - 64510000 - 03310300

ECONOMICS DUAL CREDIT - 64510D00 - 03310300

# ***Appendix for 2023-2024***

## **English Language Arts**

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

ENGLISH III AP - 61310A00 - A3220100

ENGLISH IV AP - 61410A00 - A3220200

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

COMMUN APP - 66100000 - 03241400

CREATE/IMAG WRITE - 66500000 - 03221200

DEBATE I - 66130000 - 03240600

DEBATE II - 66140000 - 03240700

DEBATE III - 66150000 - 03240800

ESL READ I - 61160S00 - 03270700

ESL READ II - 61260S00 - 03270800

ESL READ III - 61270S00 - 03270900

HEBREW & NT - 66560000 - 03221850

IND ST JOURNAL 1 - 66530000 - 03231000

IND ST JOURNAL II - 66540000 - 03231011

IND STUDY ENG - 61530000 - 03221800

JOURN YRBK I ADV - 66710000 - 03230110

JOURN YRBK II ADV - 66720000 - 03230120

JOURN YRBK III - 66740000 - 03230130

JOURNAL NEWS I ADV - 66610000 - 03230140

JOURNAL NEWS II ADV - 66620000 - 03230150

JOURNAL NEWS III ADV - 66630000 - 03230160

JOURNALISM - 66520000 - 03230100

MEDIA LIT JOURN - 66510000 - 03241401

PHOTO JOURNALISM - 66730000 - 03230800

PUBLIC SPEAKING I - 66110000 - 03240900

PUBLIC SPEAKING II - 66120000 - 03241000

READING I - 61600000 - 03270700

RESEARCH/TECHNICAL WRITING - 61520000 - 03221100

## ***Appendix for 2023-2024***

### ***English***

ENGLISH I - 61110000 - 03220100  
ENGLISH I HONORS - 61110P00 - 03220100  
ENGLISH II - 61210000 - 03220200  
ENGLISH II HONORS - 61210P00 - 03220200  
ENGLISH III - 61310000 - 03220300  
ENGLISH III DUAL CREDIT - 61310D00 - 03220300  
ENGLISH IV - 61410000 - 03220400  
ENGLISH IV DUAL CREDIT - 61410D00 - 03220400

### ***For Speakers Of Other Languages***

ENGLISH I SOL - 61150S00 - 03200600  
ENGLISH II SOL - 61250S00 - 03200700

### **Fine Arts**

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

ART AP - 67120A00 - A3500300

#### ***Art***

ART APPRECIATION – 67150000 - 03500110  
ART I - 67000000 - 03500100  
ART II CERAMICS - 67040000 - 03500900  
ART II DRAWING - 67010000 - 03500500  
ART II PAINTING - 67020000 - 03500600  
ART II SCULPTURE - 67030000 - 03501000  
ART III CERAMICS - 67080000 - 03501800  
ART III DRAWING - 67050000 - 03501300  
ART III PAINTING - 67060000 - 03501400  
ART III SCULPTURE - 67070000 - 03501900  
ART IV CERAMICS - 67130000 - 03502700  
ART IV DRAWING - 67090000 - 03502300  
ART IV PAINTING - 67100000 - 03502400  
ART IV SCULPTURE - 67110000 - 03502800

## ***Appendix for 2023-2024***

### ***Dance***

DANCE COMPOSITION I - 75310000 - 03832500  
DANCE COMPOSITION II - 75320000 - 03832600  
DANCE COMPOSITION III - 75330000 - 03832700  
DANCE I - 68350000 - 03830100  
DANCE II - 68360000 - 03830200  
DANCE III - 68370000 - 03830300  
DANCE IV - 68380000 - 03830400  
DRILL TEAM I - 68310000 - 03830100  
DRILL TEAM II - 68320000 - 03830200  
DRILL TEAM III - 68330000 - 03830300  
DRILL TEAM IV - 68340000 - 03830400

### ***Fine Arts***

ART DUAL CREDIT - 67140D00 - A3500100

### ***Music***

APPLIED MUSIC I - 67710000 - 03152500  
APPLIED MUSIC II - 67720000 - 03152600  
CONCERT BAND I - 67410000 - 03150100  
CONCERT BAND II - 67420000 - 03150200  
CONCERT BAND III - 67430000 - 03150300  
CONCERT BAND IV - 67440000 - 03150400  
GUITAR I - 68200000 - 03154600  
GUITAR II - 68210000 - 03154700  
GUITAR III - 68230000 - 03154800  
GUITAR IV - 68240000 - 03154900  
JAZZ BAND I - 67610000 - 03151300  
JAZZ BAND II - 67620000 - 03151400  
JAZZ BAND III - 67630000 - 03151500  
JAZZ BAND IV - 67640000 - 03151600  
JV CHOIR I - 68010000 - 03150900  
JV CHOIR II - 68020000 - 03151000  
JV CHOIR III - 68030000 - 03151100  
JV CHOIR IV - 68040000 - 03151200  
MUSIC APPRECIATION - 67910000 - 03155600  
MUSIC THEORY I - 67810000 - 03155400  
MUSIC THEORY II - 67820000 - 03155500

## ***Appendix for 2023-2024***

SYMPHONIC BAND I - 67510000 - 03150100  
SYMPHONIC BAND II - 67520000 - 03150200  
SYMPHONIC BAND III - 67530000 - 03150300  
SYMPHONIC BAND IV - 67540000 - 03150400  
V CHOIR I - 68110000 - 03150900  
V CHOIR II - 68120000 - 03151000  
V CHOIR III - 68130000 - 03151100  
V CHOIR IV - 68140000 - 03151200  
WIND ENSBL I - 67310000 - 03150100  
WIND ENSBL II - 67320000 - 03150200  
WIND ENSBL III - 67330000 - 03150300  
WIND ENSBL IV - 67340000 - 03150400

### ***Theatre***

TH ARTS I - 67210000 - 03250100  
TH ARTS II - 67220000 - 03250200  
TH ARTS III - 67230000 - 03250300  
TH ARTS IV - 67240000 - 03250400

### **Health**

#### ***Health***

HEALTH - 66090000 - 03810100

### **Languages Other Than English**

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

GERMAN IV AP - 65450A00 - A3420100  
SPANISH IV AP - 65410A00 - A3440100  
SPANISH IV NS AP - 65420AN0 - A3440100  
SPANISH V AP - 65510A00 - A3440200

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

GERMAN I - 65150000 - 03420100  
GERMAN II - 65250000 - 03420200  
GERMAN II HONORS - 65250P00 - 03420200  
GERMAN III HONORS - 65350P00 - 03420300  
SPAN I NS CBE - 651100N0 - 03440110  
SPAN III NS HONORS - 65320PN0 - 03440300  
SPANISH I - 65110000 - 03440100  
SPANISH I HONORS - 65110P00 - 03440100  
SPANISH II - 65210000 - 03440200

## ***Appendix for 2023-2024***

SPANISH II HONORS - 65210P00 - 03440200

SPANISH II NS - 652100N0 - 03440220

SPANISH III HONORS - 65310P00 - 03440300

SPANISH IV DUAL CREDIT - 65410D00 - 03440400

### **Local Credit**

#### ***Local Credit***

ATHLETIC TRAINER - 7551000L - 85000TR2

EARLY RELEASE OLYMPIC TRAINING - 8464000L - 84200OLY

GERMAN CULTURAL & LINGUISTIC - 6517000L - 84600GRM

GT IND RESEARCH - 6620000L - 85000GTR

MATH LAB - 6260000L - 84100M12

OFFICE AIDE - 6684000L - 85000AID

SPANISH CULTURAL & LINGUISTIC - 6512000L - 84600SPN

STUDENT COUNCIL LEADERSHIP - 6682000L - 85000SCL

### **Mathematics**

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

CALCULUS AP - 62450A00 - A3100101

STATISTICS AP - 62470A00 - A3100200

#### ***Mathematics***

ADV QUANTITATIVE REASONING - 62410000 - 03102510

ALGEBRA I - 62110000 - 03100500

ALGEBRA I HONORS - 62110P00 - 03100500

ALGEBRA II - 62310000 - 03100600

ALGEBRA II HONORS - 62310P00 - 03100600

ALGEBRAIC REASONING - 62420000 - 03102540

ALGEBRAIC REASONING HONORS - 62420P00 - 03102540

BUSINESS CALCULUS DUAL CREDIT - 62490D00 - 03102500

CALCULUS DUAL CREDIT - 62460D00 - 03102501

COLLEGE ALG DUAL CREDIT - 62120D00 - 03102500

GEOMETRY - 62210000 - 03100700

GEOMETRY HONORS - 62210P00 - 03100700

MATH ELEM TEACHERS DUAL CREDIT - 62500D00 - 03102500

MMWA - 62200000 - 03102400

PRECAL DUAL CREDIT - 62430D00 - 03101100

PRECAL HONORS - 62430P00 - 03101100

PRECALCULUS - 62430000 - 03101100



## ***Appendix for 2023-2024***

STATISTICS DUAL CREDIT - 62480D00 - 03102530

### **Other Electives**

COMMUNITY TRANSPORTATION - 60800000 - N1304660

SPORTS MEDICINE I - 75550000 - N1150040

SPORTS MEDICINE II - 75560000 - N1150041

TEEN LEADERSHIP - 66810000 - N1290012

### **Physical Education**

#### ***PE Substitution***

BASEBALL YR I - 80130000 - PES00000

BASEBALL YR II - 80140000 - PES00001

BASEBALL YR III - 80150000 - PES00002

BASEBALL YR IV - 80160000 - PES00003

BOYS BASKETBALL YR I - 80050000 - PES00000

BOYS BASKETBALL YR II - 80060000 - PES00001

BOYS BASKETBALL YR III - 80070000 - PES00002

BOYS BASKETBALL YR IV - 80080000 - PES00003

BOYS GOLF YR I - 80170000 - PES00000

BOYS GOLF YR II - 80180000 - PES00001

BOYS GOLF YR III - 80190000 - PES00002

BOYS GOLF YR IV - 80200000 - PES00003

BOYS SOCCER YR I - 80090000 - PES00000

BOYS SOCCER YR II - 80100000 - PES00001

BOYS SOCCER YR III - 80110000 - PES00002

BOYS SOCCER YR IV - 80120000 - PES00003

CROSS COUNTRY YR I - 82050000 - PES00000

CROSS COUNTRY YR II - 82060000 - PES00001

CROSS COUNTRY YR III - 82070000 - PES00002

CROSS COUNTRY YR IV - 82080000 - PES00003

FOOTBALL YR I - 80010000 - PES00000

FOOTBALL YR II - 80020000 - PES00001

FOOTBALL YR III - 80030000 - PES00002

FOOTBALL YR IV - 80040000 - PES00003

GIRLS BASKETBALL YR I - 81050000 - PES00000

GIRLS BASKETBALL YR II - 81060000 - PES00001

GIRLS BASKETBALL YR III - 81070000 - PES00002

## ***Appendix for 2023-2024***

GIRLS BASKETBALL YR IV - 81080000 - PES00003  
GIRLS GOLF YR I - 81170000 - PES00000  
GIRLS GOLF YR II - 81180000 - PES00001  
GIRLS GOLF YR III - 81190000 - PES00002  
GIRLS GOLF YR IV - 81200000 - PES00003  
GIRLS SOCCER YR I - 81090000 - PES00000  
GIRLS SOCCER YR II - 81100000 - PES00001  
GIRLS SOCCER YR III - 81110000 - PES00002  
GIRLS SOCCER YR IV - 81120000 - PES00003  
INDIVIDUAL & TEAM SPORT - 75010000 - PES00055  
PE NON DIST I - 83010000 - PES00008  
PE NON DIST II - 83020000 - PES00009  
PE NON DIST III - 83040000 - PES00010  
PE NON DIST IV - 83050000 - PES00011  
SOFTBALL YR I - 81130000 - PES00000  
SOFTBALL YR II - 81140000 - PES00001  
SOFTBALL YR III - 81150000 - PES00002  
SOFTBALL YR IV - 81160000 - PES00003  
SWIM I - 82110000 - PES00000  
SWIM III - 82130000 - PES00002  
SWIM IV - 82140000 - PES00003  
SWIM YR II - 82120000 - PES00001  
TENNIS YR I - 82010000 - PES00000  
TENNIS YR II - 82020000 - PES00001  
TENNIS YR III - 82030000 - PES00002  
TENNIS YR IV - 82040000 - PES00003  
VOLLEYBALL YR I - 81010000 - PES00000  
VOLLEYBALL YR II - 81020000 - PES00001  
VOLLEYBALL YR III - 81030000 - PES00002  
VOLLEYBALL YR IV - 81040000 - PES00003  
WRESTLING I - 82210000 - PES00000  
WRESTLING III - 82230000 - PES00002  
WRESTLING IV - 82240000 - PES00003  
WRESTLING YR II - 82220000 - PES00001

### ***Physical Education***

AEROBIC ACTIVITIES - 75020000 - PES00054

## ***Appendix for 2023-2024***

PERSONAL FITNESS - 75000000 - PES0005

## ***Appendix for 2023-2024***

### **Science**

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

BIOLOGY AP - 63110A00 - A3010200  
CHEMISTRY AP - 63310A00 - A3040000  
PHYSICS AP I - 63520A00 - A3050003  
PHYSICS AP2 - 63530A00 - A3050004

### ***Science***

AQUATIC SCIENCE - 63620000 - 03030000  
ASTRONOMY - 63630000 - 03060100  
BIOLOGY - 63110000 - 03010200  
BIOLOGY HONORS - 63110P00 - 03010200  
CHEMISTRY - 63310000 - 03040000  
CHEMISTRY HONORS - 63310P00 - 03040000  
EARTH & SPACE - 63640000 - 03060200  
ENVIRONMENTAL SCI DUAL CREDIT - 63650D00 - A3020000  
ENVIRONMENTAL SYSTEMS - 63610000 - 03020000  
IPC - 63210000 - 03060201  
PHYSICS - 63420000 - 03050000

### **Social Studies**

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

GOVERNMENT AP - 64410A00 - A3330100  
HUMAN GEOGRAPHY AP - 64120A00 - A3360100  
PSYCHOLOGY AP - 64620A00 - A3350100  
US HISTORY AP - 64310A00 - A3340100  
WORLD HISTORY AP - 64230A00 - A3370100

### ***Social Studies***

GOVERNMENT - 64410000 - 03330100  
GOVERNMENT DUAL CREDIT - 6441AD00 - 03330100  
GOVERNMENT DUAL CREDIT – TEXAS – 6441BD00 - 03330100  
MICROECONOMICS DUAL CREDIT - 64520D00 - A3310100  
PSYCHOLOGY - 64620000 - 03350100  
PSYCHOLOGY DUAL CREDIT - 64620D00 - 03350100  
SOCIOLOGY - 64610000 - 03370100  
SP TOPICS SS\_I - 64350000 - 03380002  
SP TOPICS SS\_II - 64360000 - 03380022

## ***Appendix for 2023-2024***

US HISTORY - 64310000 - 03340100

US HISTORY DUAL CREDIT - 64310D00 - 03340100

WORLD GEOGRAPHY - 64110000 - 03320100

WORLD GEOGRAPHY HONORS - 64110P00 - 03320100

WORLD HISTORY - 64210000 - 03340400

WORLD HISTORY DUAL CREDIT - 64210D00 - 03340400

**\*APPLICABLE TO 9TH GRADE STUDENTS ENTERING HIGH SCHOOL IN FALL OF 2022 and 2023 ONLY.** Students who have started high school before the fall of 2022 will be under the previous weighting policy. Please refer to the 2021-2022 Course Catalog for the course which are weighted toward a student's GPA. Additionally, for incoming 9th grade students in the fall of 2022 and 2023, Willis ISD strives to encourage students to pursue their areas of interests in order to enrich their academic experiences and achievements. The GPA exemption is in place to allow students to exempt up to two credits during their high school career. We believe this will foster continued and increased involvement in extracurricular programs and ensure that all of our students have access to a well-rounded education.