



Wharton

High School

Committing to Excellence Today, . . . Creating Hope for Tomorrow

2019-2020 Course Catalog

1 Tiger Ave - Wharton - Texas - 77488

Wharton High School

Course Catalog Breakdown

The Wharton High School Course Catalog has been designed to provide both students and parents a clear understanding of the educational opportunities available at Wharton High School.

The Quick Start Guide below is designed to support the use of this catalog by highlighting main areas of consideration when selecting courses. These four areas are color coded for easy location at the top of each page of the catalog. If you have any questions regarding information contained in this catalog, please contact the office at Wharton High School.

1

High School Graduation Programs & Information

Learn more about Wharton High School graduation requirements, endorsements, four-year plans of study, and state assessments.

2

College Offerings

Learn more about Wharton High School's College Programs: R.O.A.R (ECHS), P-TECH, and Dual Credit

3

Course Descriptions

Learn More about Course Offerings at Wharton HS: Traditional, Dual Credit, and Virtual

4

Additional Information

Learn more about advanced academics, special programs, and district policies.

Vision Statement:
Wharton ISD prepares today for a competitive tomorrow.

Mission Statement:
Wharton ISD will provide exceptional instruction to every student, every day, with a spirit of warmth, friendliness and personal pride.

Wharton Independent School District

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Wharton HS Library

Librarian, Anna Sanders

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Nurse, Harolyn Freeman

It is the policy of Wharton ISD not to discriminate on the basis of sex, handicap, race, color, or national origin in its educational programs, services and activities and in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, as amended, and the Age Discrimination Act of 1975, as amended.

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1. High School Plan and Graduation Requirements

Course Selection Process

Students must carefully plan their course selections based on their chosen Pathway and Endorsement. Students will receive specific instructions and assistance from school counselors during the scheduling process. However, it is important that students and parents give careful consideration to selecting appropriate courses based on their chosen path.

Below are steps to consider during the course selection process:

1. Review the Course Catalog

This course catalog includes course descriptions for all courses offered at Wharton High School. Students should look over the course descriptions of all courses of interest, giving special attention to graduation requirements and course prerequisites. Select courses that will help meet future academic and career goals. Students are required to enroll in the core area courses required for graduation, which include English Language Arts and Reading, Mathematics, Science and Social Studies. Students have the option of choosing electives based on interest. Elective choices are scheduled based on teachers and sections available for the current school year.

2. Orientation of Courses

Attend student presentations on course offerings. Review the course selection sheet and discuss how the courses fit into the student's graduation plan.

3. Parent/Guardian Approval

A parent or guardian must sign the bottom of the course selection sheet. Students will return the sheet to their school counselor, once complete.

Please note:

- If there is insufficient enrollment for a course, the course may not be offered and one of the alternates listed on the student's course selection sheet will be used.
- Electives may be replaced with EOC Intervention courses if a student demonstrates a need for targeted improvement.

Schedule Changes

Should a schedule change become necessary, a student must submit a request in writing, including the reasons for needing the change and a parent's signature. Each request will be reviewed by the counselor and may require approval by campus administration. Please note that not all schedule changes may be granted, depending on course offerings, teacher availability, and prerequisites, among other considerations.

1. High School Plan and Graduation Requirements

Wharton ISD Graduation Requirements

The **Foundation High School Program** includes the following four parts:

- A 23-credit foundation program which is the core of the new Texas high school diploma
- Five endorsement options that allow students to focus on a related series of courses
- A higher performance category, Distinguished Level of Achievement, which is Wharton ISD's default plan
- Performance Acknowledgments that note outstanding achievement

Foundation High School Program with Distinguished Level of Achievement	
4 credits English	English Language Arts I, II, III, one credit in any authorized additional English course
4 credits Mathematics	Algebra I, Geometry, Algebra II, one credit in any authorized additional math course
4 credits Science	Biology; one credit in IPC, Chemistry or Physics; two credits in any authorized additional science course
3 credits Social Studies	World History, US History, Government, Economics <i>Wharton ISD also recommends World Geography for all students</i>
2 credits Languages Other Than English	
1 credit Physical Education or PE Substitution	
1 credit Fine Arts	
8 credits in electives	
Total: 27 credits	

Distinguished Level of Achievement = Foundation + Endorsement + Algebra II

A student must earn *Distinguished Achievement* to be considered in the "Top 10%" of the class and qualify for automatic college admission.

NOTE: Students may move to the Foundation Graduation Plan only after completing their sophomore year AND with parent or guardian written permission.

Endorsements

Students will be able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area. Students can earn an endorsement by completing the curriculum requirements for the endorsement, including a 4th credit of math and science and two additional elective credits.

Students can choose from 5 endorsement areas:

STEM	Business/ Industry	Public Service	Arts & Humanities	Multidisciplinary Studies
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Performance Acknowledgements

Students may earn a Performance Acknowledgement on their transcript for outstanding performance on the following:

- ☐ Dual Credit Coursework
- ☐ Bilingualism and Bi-literacy
- ☐ Advanced Placement (College Board) or International Baccalaureate Exams
- ☐ PSAT, SAT, ACT-Aspire, or ACT
- ☐ State-recognized, nationally, or internationally recognized business or industry certification and/or license

1. High School Plan and Graduation Requirements

Authorized Additional Courses

Below is a list of authorized additional courses available at Wharton High School for each content area. These courses will satisfy State graduation requirements for the Foundation High School Program, per Texas Education Code (19 TAC Chapter 74, Subchapter B) and **will compute into GPA**.

Students should pay close attention to the following when selecting courses:

- ☐ elective requirements for selected endorsement
- ☐ course prerequisites

English Language Arts Additional Course Offerings

- English IV (Regular or Honors)
- English IV Dual Credit
- Business English (All Endorsements except Multidisciplinary)

Mathematics Additional Course Offerings

- Algebra II
- Pre-calculus
- Calculus
- Any Dual Credit Math Course
- Math Applications in Agriculture
- Statistics & Business Decision Making

Science Additional Course Offerings

- Chemistry
- Physics
- Any AP Science Course
- Any Dual Credit Science Course
- Forensic Science
- Earth and Space Science
- Environmental Systems
- Scientific Research and Design
- Advanced Animal Science
- Anatomy and Physiology
- Food Science
- Medical Microbiology

For more information on state graduation requirements, including endorsements, see the TEA Graduation Toolkit, available in [English](#) and [Spanish](#).

1. High School Plan and Graduation Requirements

A high school student's four-year plan for grades 9-12 is as follows:

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 1*	English 2*	English 3**(DC)	English 4** (DC) or Approved Additional English Course
Algebra 1 or Geometry*	Geometry* or Algebra 2**	Algebra 2** or Approved Additional Math Course	Approved Additional Math Course or Algebra 2*+
Biology* or IPC	IPC or Chemistry*, or Biology	Chemistry* or Physics* or Approved Additional Science	Approved Additional Science Course+
World History*	World Geography**	US History**(DC)	Government**(DC) / Economics**(DC)
Physical Education/ P.E. Substitution	Languages Other than English Year 1 or Elective	Languages Other than English Year 2 or Elective	Elective x 2
Fine Arts	Language Other than English Year 2 & Elective	Elective x 2	Endorsement^ Elective x 2 (or 3)
Languages Other than English Year 1 or 2	Languages Other than English Year 1 or 2	(Must complete Language credit if not previously completed)	
CTE/ Endorsement Elective or Languages Other than English Year 1 or 2 or AVID	Endorsement Elective	Endorsement Elective^	Endorsement^ Elective
<i>Course Availability: * = Honors/** = Advanced Placement (AP)/(DC) = Dual Credit</i>			
+ = Required for Distinguished Level of Achievement ^ = Advanced Endorsement Elective requiring 2 or more credits.			

Endorsement/Career and Technical Education (CTE) Program Elective Options				
Science, Technology, Engineering, & Math (STEM)	Business and Industry	Public Service	Arts and Humanities	Multidisciplinary Studies
<ul style="list-style-type: none"> Math Science Pre-Medical 	<ul style="list-style-type: none"> Agriculture\$ Culinary\$ Computer/Technology\$ Construction\$ Transportation\$ Veterinary\$ Welding\$% 	<ul style="list-style-type: none"> ROTC Health Sciences \$# <ul style="list-style-type: none"> - CNA\$ - EMT\$ Education\$ Law Transportation 	<ul style="list-style-type: none"> Performing Arts: Dance, Theatre, or Band Visual Arts Language of than English Social Studies 	<ul style="list-style-type: none"> General Studies Early College: Associates Degree

\$ = Industry Certification or License Available # This program is limited due to specialized course offerings
 % = P-Tech/ICIA Pathway

1. High School Plan and Graduation Requirements

State Assessments

In spring 2012, the State of Texas Assessments of Academic Readiness (STAAR®) replaced the Texas Assessment of Knowledge and Skills (TAKS). In order to graduate from a Texas public high school, students must pass the end-of-course (EOC) assessment for the five subjects listed below:

- ☐ Algebra 1
- ☐ Biology
- ☐ English 1
- ☐ English 2
- ☐ US History

If a student passes the course but does not pass the end-of-course (EOC) assessment, the student will take the test again.

For more information on the STAAR state assessment program, visit the Texas Education Agency website at <http://tea.texas.gov/student.assessment/staar/> or read the [STAAR - High School Testing Program Guide](#).

Post-Secondary Readiness Tests

Students may take the following additional post-secondary readiness tests:

- ☐ Texas Success Initiative Assessment (TSI)*
- ☐ American College Test (ACT)
- ☐ Scholastic Aptitude Test (SAT)*
- ☐ PSAT/National Merit Scholarship Qualifying Test (NMSQT)*
- ☐ SAT Subject Tests
- ☐ Armed Services Vocational Aptitude Battery (ASVAB)*

More information about these tests, and other testing information, can be found on page 94-95 of this course catalog.

* = Tests offered at Wharton High School

1. High School Plan and Graduation Requirements

Endorsement/Career and Technical Education (CTE) Program Elective Options

The chart below shows the graduation endorsements available at Wharton High School. Students can complete course sequences through various CTE programs or content areas, such as Fine Arts. Additionally, this chart identifies CTE sequences that can lead to a certification. The next page walks you through 4 year plans for specific plans under these endorsements and pathways.

Endorsement	Program	Pathway	Certification(s)
Science, Technology, Engineering, and Mathematics (STEM)	STEM	Mathematics	
		Science	
		Pre-Medial	
Business and Industry	Agriculture	Animal Science	Licensed Breeder
		Plant Science	BENZ School of Floral Design
		Veterinary Science	Licensed Vet Tech
	Hospitality	Culinary Arts	ServSafe
	Trades	Construction Technology	NCCER CORE – Introductory Craft Skills (National Center for Construction Education and Research)
	Welding	Welding Technology	AWS SMAW D1.1 Structural Steel (American Welding Society)
			NCCER Certification
	Technology	Animation	Adobe Certified Associate – Photoshop
	Transportation	Drone Pilot	FAA (Federal Aviation Administration) Certified Commercial Drone Pilot

1. High School Plan and Graduation Requirements

Endorsement	Program	Sequence	Certification(s)
Business and Industry	Technology (Continued)	Graphic Design	ACA Adobe Certified Associate – Photoshop
			Microsoft Office 2016 Expert
Public Service	Public Service	Education and Training	Educational Paraprofessional
		JROTC Air Force Science	
		Law Enforcement	
	Health Sciences	Health Care Basics	Certified Nursing Associate
		Health Science P-TECH/ICIA	
		Emergency Medical Technician (EMT)	Emergency Medical Technician
Arts and Humanities	Fine Arts	Dance	
		Instrumental: Band	
		Theatre	
		Visual Arts	
	Social Studies	Social Studies	
	Foreign Language	Spanish	
		Latin	

1. High School Plan and Graduation Requirements

Multi-Disciplinary Studies	General Studies	4x4 Core Curriculum Advanced Placement (AP) Dual Credit	
	R.O.A.R. Early College: Associates Degree	4x4 Core Curriculum Advanced Placement (AP) Dual Credit/ Associates Degree	
	P-TECH/ICIA Associates Degree/60 Hours	Course sequence leading to certification and either an Associates Degree or 60 College Hours	

- Certifications may require fees for licensure and/or test fees.
- Pathways, such as EMT, requiring dual credit that are not part of the R.O.A.R. or P-Tech/ICIA program will have a fee from the college for course fees and textbooks.

1. High School Plan and Graduation Requirements

The charts below show the four-year sequence of courses for each endorsement available at Wharton High School. **Students MUST complete the sequence of courses listed in order to earn the endorsement.** Course descriptions for all courses listed below can be found beginning on page 26.

STEM Endorsement: STEM Program

STEM ENDORSEMENT		STEM PROGRAM			
SEQUENCE	9 th	10 th	11 th	12 th	
<input type="checkbox"/> Mathematics Studies	Must complete five Math courses. <u>Required courses:</u> Algebra I, Geometry, Algebra II <u>Two of the following courses:</u> Precalculus, Calculus, Independent Studies in Math Dual Credit, Business Statistics.				
<input type="checkbox"/> Science Studies	Biology	Chemistry	Physics	Dual Credit Biology or Earth and Space Science	
<input type="checkbox"/> Pre-Medical Studies	Biology	Chemistry	Physics	Two of the following: Dual Credit Biology or Anatomy and Physiology	
<input type="checkbox"/> Pre-Medical CTE course companion sequence	Principles of Health Science	Medical Terminology	Health Science Theory / Health Science Clinical (2 <i>periods</i>) + 3 rd Year Science	Practicum in Health Science (E.M.T. or C.N.A) + 4 th Year Science	

NOTE: The student in Pre-Medical studies who wishes to immerse themselves in a practical healthcare environment should also follow the CTE course companion sequence for their elective program. It is important for students interested in the healthcare field to experience the sights, sounds and smells of a hospital environment before committing to a long-term program of study in the Healthcare Industry. **This track of courses would result in Graduation Endorsements in both STEM and Public Service** assuming successful completion of all STEM math and science requirements.

1. High School Plan and Graduation Requirements

Business and Industry Endorsement		Agriculture Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Agricultural Mechanics	Agricultural Mechanics and Metal Technologies	Agricultural Structures Design & Fabrication w/ Lab (2 hours)	Agricultural Power Systems (2 hours) w/ Lab (3 hours)	Practicum in Agriculture (Welding) (2 hours) w/ Lab (3 hours)
<input type="checkbox"/> Plant Science	Principles of Agriculture, Food, and Natural Resources	Floral Design	Landscape/ Turf Grass Management	Practicum in Agriculture, Food, and Natural Resources (2 periods)
<input type="checkbox"/> Animal Science	Principles of Agriculture, Food, and Natural Resources	Small Animal Management AND Equine Science	Livestock Prod/ Wildlife Fisheries and Ecology (2 periods)	Advanced Animal Science
<input type="checkbox"/> Veterinary Science	Principles of Agriculture, Food, and Natural Resources	Small Animal Management AND Equine Science	Veterinary Medical Applications & Animal Science	Practicum in Agriculture, Food, and Natural Resources OR Career Preparation (2 periods)

Business and Industry Endorsement: Culinary Program

Business and Industry Endorsement		Culinary Arts		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Culinary Arts	Introduction to Culinary Arts (INCULART)	Culinary Arts (2 periods)	Practicum in Culinary Arts I (2 periods) or Extended Practicum (3 periods)	Practicum in Culinary Arts II (2 periods) or Extended Practicum (3 periods) + Food Science

Business and Industry Endorsement: Trades Program

Business and Industry Endorsement		Trades Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Construction Technology	Principles of Construction	Construction Technology 1 (2 periods)	Construction Technology 2 (2 periods) w/ Lab (3 pds)	Practicum in Construction Technology (2 periods) w/ Lab (3 pds)

1. High School Plan and Graduation Requirements

Business and Industry Endorsement: Manufacturing Program

Business and Industry Endorsement		Manufacturing Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Welding Technology	Principles of Manufacturing	Welding 1 (2 periods)	Welding 2 (2 periods) w/ Lab (3 periods)	Practicum in Manufacturing (2 periods) w/Lab (3 periods)
<input type="checkbox"/> Wharton Industrial Connections Academy (WICA) (P-Tech/ICIA)	Principles of Manufacturing	Welding 1 (2 periods)	WICA Year 1 (2 periods)	WICA Year 2 (2 periods)

* P-Tech/ICIA is a partnership with Wharton Industrial Academy & WCJC. Advanced courses are taken at the College.

Business and Industry Endorsement		Technology Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Animation	Principles of Arts, Audio, Video & Technology (PRINAAVTC)	Animation I (1period) or Animation w/ Lab (2 periods)	Animation 2 (1period) or Animation w/ Lab (2 periods)	Practicum in Animation (2 period) or Extended Practicum (3 periods)
<input type="checkbox"/> Yearbook	Principles of Arts, Audio, Video & Technology (PRINAAVTC)	Yearbook 1	Yearbook 2	Yearbook 3
<input type="checkbox"/> Graphic Design	Principles of Arts, Audio, Video & Technology (PRINAAVTC)	Graphic Design and Illustration 1 (1 period) Or w/Lab (2 periods)	Graphic Design and Illustration 2 (1 period) Or w/Lab (2 periods)	Practicum in Graphic Design and Illustration (2 periods) Or w/ Extended Lab (3 periods)

1. High School Plan and Graduation Requirements

Business and Industry Endorsement		Transportation Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Drone Pilot	Principles of Transportation Systems	Management of Transportation Systems (1period)	Practicum in Transportation Systems I (2 periods) or Extended Practicum (3 <i>periods</i>)	Practicum in Transportation Systems II (2 periods) or Extended Practicum (3 <i>periods</i>)

1. High School Plan and Graduation Requirements

Public Service Endorsement: Public Service Program

Public Service Endorsement		Public Service Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Education and Training	Principles of Education & Training	Human Growth and Development	Instructional Practices in Education and Training (2 periods)	Practicum in Education and Training (2 periods)
<input type="checkbox"/> Law Enforcement	Principles of Law, Public Safety, Corrections and Security	Criminal Investigations	Law Enforcement 1 AND Forensic Science (2 periods)	Law Enforcement 2
<input type="checkbox"/> AF JROTC Science	AF JrROTC 1	AF JrROTC 2	AF JrROTC 3	AF JrROTC 4

Public Service Endorsement: Health Sciences Program

Public Service Endorsement		Health Science Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Health Care CNA	Principles of Health Science	Medical Terminology	Health Science Theory/Health Science Clinical (2 periods)	Practicum in Health Science: CNA (2 periods)
<input type="checkbox"/> Health Science*	Principles of Health Science	Medical Terminology	TBD P-Tech/ICIA (2 periods)	TBD P-Tech/ICIA (2 periods)
<input type="checkbox"/> Emergency Medical Technician%	Principles of Health Science	Medical Terminology	Health Science Theory/Health Science Clinical (2 periods)	Practicum in Health Science: EMT (2 periods)%

* P-Tech/ICIA program is a partnership with a junior college and Wharton Industrial Academy. The advanced courses are taken at the College and the student will work towards earning an Associates or 60 College Hours. This program is similar to ROAR in that there is an application process. The program is still in the development stage and is only being offered to incoming freshman and beyond with the 19-20 school year.

% Students in the EMT program will take their last year of EMT courses on WCJC. This is treated like dual credit, so there is a fee associated for the student to register for these classes and any tests and licensing fees. Scholarships may be available, see counselor for more information.

1. High School Plan and Graduation Requirements

Arts and Humanities Endorsement: Fine Arts Program

Arts and Humanities Endorsement		Fine Arts Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Instrumental Music: Band	Band 1	Band 2	Band 3	Band 4
<input type="checkbox"/> Dance	Dance Team Training <i>OR</i> Dance Team 1 Color Guard 1	Dance Team 2 Color Guard 2	Dance Team 3 Color Guard 3	Dance Team 4 Color Guard 4
<input type="checkbox"/> Theatre Performance	Theatre Arts 1	Theatre Arts 2	Theatre Arts 3	Theatre Arts 4
<input type="checkbox"/> Visual Arts	Art 1	Art 2 Drawing Art 2 Sculpture	Art 3 Drawing Art 3 Sculpture	Art 4 Drawing Art 4 Sculpture AP Studio Art

Arts and Humanities Endorsement: World Languages Program

Arts and Humanities Endorsement		World Languages Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Spanish	Spanish I	Spanish II	Honor Spanish III	Spanish Language IV AP
<input type="checkbox"/> Latin	Latin I	Latin II	Honors Latin III	Honors Latin IV

Arts and Humanities Endorsement: Social Studies

Arts and Humanities Endorsement		World Languages Program		
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> Social Studies	World History	World Geography	US History Psychology	Government & Personal Financial History

1. High School Plan and Graduation Requirements

Multi-Disciplinary Endorsement

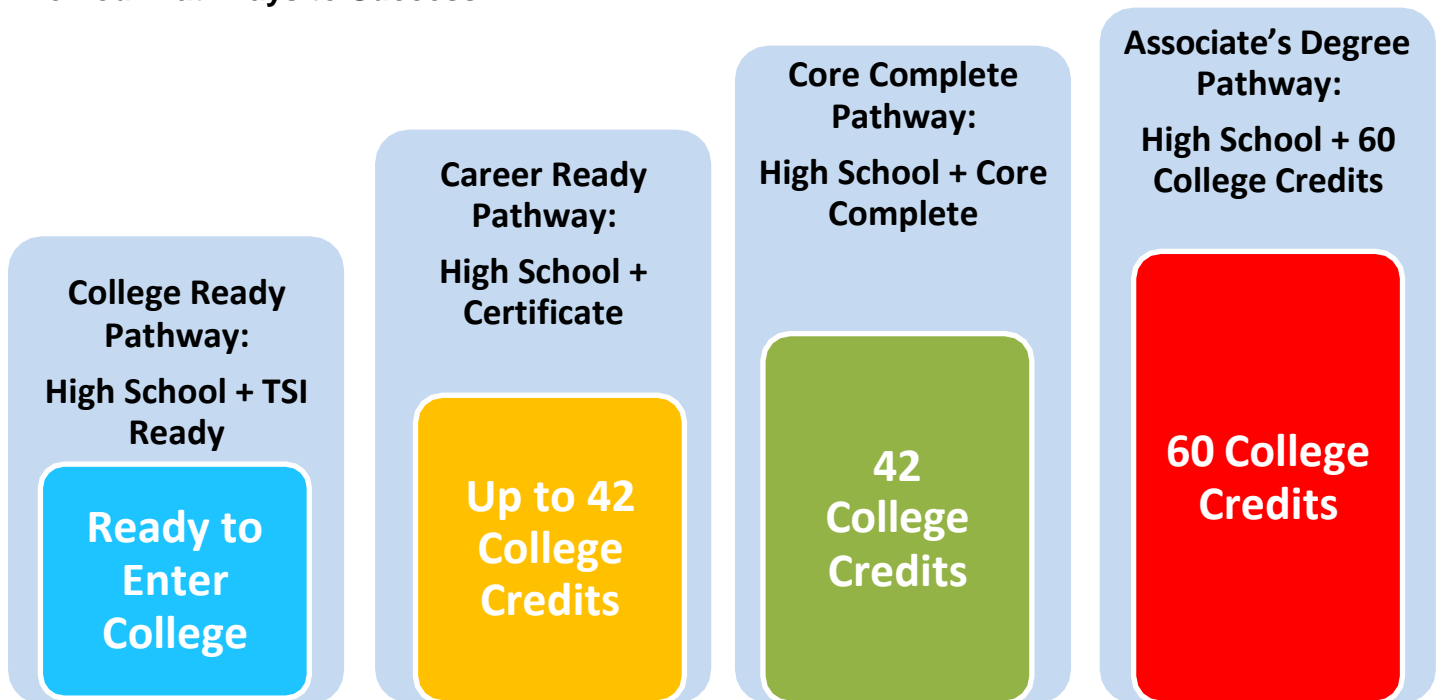
Multi-Disciplinary Endorsement				
SEQUENCE	9 th	10 th	11 th	12 th
<input type="checkbox"/> General Studies	Students can qualify for a Multi-Disciplinary Studies Endorsement by taking four courses in each Core area, and completing all other Endorsement requirements.			
<input type="checkbox"/> Early College: Associates Degree	Varies by degree program. See College Offerings section of catalog for more information on sequencing for R.O.A.R. and P-Tech/ICIA.			



Wharton ISD Early College High School (ECHS)

Wharton's ECHS uses a comprehensive "College and Career-for-All" model, developed by Wharton ISD and Wharton Junior College designed to prepare all students to be college and career ready by providing articulated degree pathways that lead to postsecondary credentials. Each pathway works within the State of Texas graduation requirements and CTE Endorsements.

The Four Pathways to Success



- Students can transition from one pathway to another based on their desired goals, with the exception of the Associate Degree pathway. Students interested in this pathway must begin this plan freshman year.

2. College Offerings

I want my high school experience to be...	ECHS Pathways	Pathway Descriptions
I am not certain of my future plans, but I would like to have all options open to me after I graduate high school.	High School + TSI Ready = College Ready	Earn your high school diploma and be college ready.
I am not sure if college is in my future, but I would like to earn a certification that I can use to find a good job after high school.	High School + Level 1 Certificate or up to 42 college credits = Career Ready	Earn your high school diploma and either a Level 1 Certificate in a technical career OR earn up to 42 Core college credits that can be transferred to any 2-year college or 4-year public university in Texas.
I would like to participate in extracurricular activities such as athletics, band, FFA and possibly others. However, I would like to earn college credit hours that I can use toward an associate degree or bachelor's degree after high school.	High School + 3 – 42 College Credits = Core Complete	Earn your high school diploma and earn 3-42 Core college credits that can be transferred to any 2 year college or 4-year public university in Texas.
I do not plan to participate in extracurricular activities that involves a lot of after school hours but might join a club/organization or participate in a sport. I would like to focus on academics and complete an associate degree by the time I graduate.	High School + 60 College Credits = Associate Degree R.O.A.R or P-Tech/ICIA program	Earn your high school diploma and an Associate of Arts. This 2-year degree can be transferred to any 4-year public university in Texas. <i>Must begin this pathway freshman year.</i>

Benefits and Value of Wharton Early College High School:

- Support advanced college success and higher-level learning opportunities
- Academic advising, mentoring, and tutoring
- Flexible scheduling of courses on the WHS and WCJC campus
- Provides Dual Credit at no cost to students
- Offers rigorous instruction and accelerated courses
- Provides academic and social support services to help students succeed
- Increases college readiness
- Reduces barriers to college access

For more information, visit the Wharton Early College High School (R.O.A.R) Web Page.

2. College Offerings

Advancement Via Individual Determination (AVID)

Wharton High School is an AVID site. AVID is a regularly scheduled elective class for state credit available to all WHS Students. Wharton Early College High School Associate Degree Pathway students are encouraged to enroll in AVID classes.

AVID is a global nonprofit organization dedicated to closing the achievement gap by preparing all students for college and other postsecondary opportunities.

The mission of the AVID program is to ensure that all students, especially those in the middle who are capable of completing a college-preparatory path, have a chance to succeed and to increase enrollment of these students in four-year colleges and universities.

The three main components of the AVID program are:

Academic Instruction (AVID curriculum)

- ☐ Students will receive two hours of instruction per week in college entry-level skills.

Tutorial Support

- ☐ Students will receive two hours of instruction per week in tutor-led study groups.

Motivational Activities

- ☐ Students will receive one hour of instruction per week in motivational activities and academic survival skills.

It's not just another program, AVID is a system that:

- ☐ Holds students accountable to the highest standards
- ☐ Provides academic and social support
- ☐ Will make students rise to the challenge

AVID also:

- ☐ Teaches skills and behaviors for academic success
- ☐ Provides intense support with tutorials and strong student/teacher relationships
- ☐ Creates a positive peer group for students
- ☐ Develops a sense of hope for personal achievement gained through hard work and determination
- ☐ Uses writing as a tool for learning, inquiry, and collaboration.



2. College Offerings

Early College High School Academic Policies

The following academic policies of the School District and College shall apply to all students enrolled in the ECHS as applicable.

- ECHS students are expected to meet academic standards (including academic progress) for College coursework.
- Semester grades and grading policies shall be outlined in each instructor's course syllabus. Grades are awarded on a 4.0 scale at the College, and the High School will convert from letter grades to numeric grades according to the established conversion chart.
- ECHS students will be informed by the instructor of academic progress/grade status at mid-semester and prior to the Last Day to Drop. Students struggling to maintain a passing grade will be advised by the instructor or the high school counselor to withdraw from the College course in order to avoid future problems related to admissions, financial aid, and scholarships.
- Withdrawal from the College course does not result in a withdrawal from the high school course; however, the student's permanent college transcript will indicate a "Withdrawal."
- The ECHS personnel are responsible for advising ECHS students concerning academic progress in high school and college courses.
- Faculty will follow the College policies for Early Alert and grade posting. The ECHS staff and the College Dual Credit Liaison are responsible for monitoring these actions.

Students who fail to maintain a cumulative grade point average (GPA) of 2.00 (C average) are considered scholastically deficient and can be placed on early academic alert, mandatory intervention or academic suspension as appropriate by the College or ECHS. Grade policies for WCJC are accessible on their website at <https://www.wcjc.edu/>

2. College Offerings

Dual Credit Courses

Wharton High School offers students the opportunity to enroll in college-level courses through academic and technical dual credit programs in which students earn college-level credit while at the same time fulfilling high school academic requirements. Wharton High School has dual credit courses available through Wharton Junior College and Texas Virtual School Network. Some of these courses are offered on the Wharton High School campus, while some are offered at the college campus.

Dual Credit courses will be offered by Wharton High School if enough students sign up to make a class. Neither Wharton High School nor the participating college are obligated to form a class without the required minimum number of students. **Students must meet enrollment requirements for the participating college in order to sign up for the class.** If the student fails a dual credit or dual participation course required for high school graduation, the student cannot use the course to meet his/her graduation requirement.

Dual credit fees for in-district students includes:
General Service Fee = \$183 for a 3 SCH course
Technology Fee = \$60
Total = \$243 for one 3 SCH course

In order to enroll in a dual credit course for high school credit, the student must meet with the high school counselor and complete a permission to enroll form. The school will utilize the WCJC to High School Crosswalk to determine what the courses will count for on the high school campus.

2. College Offerings



What is P-TECH/ICIA?

Are you interested in tuition-free college classes?

Would you welcome the opportunity to earn 60 hours of college credit, an industry certification, and an associate's degree while attending high school?

Could you see yourself pursuing on-the-job training in a technology pathway leading to well-paying career opportunities?

If you answered yes to any of those questions, a P-TECH/ICIA program is the place for you.

P-TECH/ICIA stands for Pathways to Technology Early College High School and ICIA stands for Industry Cluster and Innovative Academies. **The Texas Education Agency has formally approved Wharton ISD's** request to open P-TECH at our high school. As part of the program, students can choose a career pathway and take courses that provide the academic, technical, and workplace skills that are attractive to employers. Students have the potential to earn an **associate's degree in four to six years, along with industry certificates** for their selected career pathway — opportunities that can potentially lead to paid internships and job placement after graduation. Students also have the opportunity to earn up to 60 hours of free college credit while pursuing their high school diploma. Best of all, this opportunity comes tuition-free. Wharton High School is hoping to offer this opportunity in two career fields (Welding and Health Science) beginning with the entering freshman class of 2019-2020.

Similar to R.O.A.R., there will be an application process with this program. At this time, we are collecting data on interest in this program. Students interested in this program should express this to their counselors during their "one on one" PGP meetings. Interest and resources will help Wharton ISD to determine if this program is sustainable.

What is a collegiate academy?

A collegiate academy is a high school that offers students the opportunity to earn dual credit – credit for both high school courses and college courses. College tuition fees are waived. This gives students the opportunity to earn an associate degree or up to 60 hours of college credit, tuition free.

Students will attend 9th and 10th grade on Wharton High School's collegiate academy campus: Wharton Industrial Connections Academy where they will complete their basic courses and receive in-depth instruction to prepare them for college success. In their junior year, students will attend tuition-free classes on the campus of their community college partner where they will continue their studies until graduation.

2. College Offerings

Dual Credit Course Offerings

The chart below provides a list of dual credit offerings through Wharton Junior College and the Virtual School's Network and the alignment between high school and college courses. It also contains the required Texas Success Initiative (TSI) Assessment scores required to enroll in the course.

Below are the passing standards for each TSI subject area:

- Reading College Ready Score = 355
- Writing College Ready Score = Essay score of 5 or higher OR Essay score of 4 with 363 on multiple choice
- Math College Ready Score = 356

Dual Credit Equivalency Table & Color Coded R.O.A.R. ECHS Associates 4 year plan

9th Grade= Green

10th Grade= Yellow

11th Grade= Blue

12th Grade= Red

Please Note: For an Associates Degree, the student can choose in 12th grade to take the Advanced Biology Pair or the Geology Pair. Students not enrolled in ECHS may not start taking dual credit courses until after their 10th grade year. Courses not colored are not part of the R.O.A.R (ECHS) pathway, but may be taken by dual credit students to satisfy core curriculum. Please check with the college you intend to attend after high school for all transfer equivalency questions.

Texas Common Course Numbering System	College Course Name	College Credit Hours	PEIMS Course #	High School Course Name	High School Credits
ARTS 1301	Art Appreciation	3	03500110	Art Appreciation I	1
BIOL 1406	Biology I	4	13037200	Scientific Research & Design I	1
BIOL 1407	Biology II	4	13037210	Scientific Research & Design II	1
GEOL 1403 & Lab	Physical Geology	4	13037200	Scientific Research & Design I	1
GEOL 1404 & Lab	Historical Geology	4	13037210	Scientific Research & Design II	1
DRAM 1310	Introduction to Theatre	3	03250300	Theatre III	1
ECON 2301	Principles of Macroeconomics	3	03310300	Economics Free Enterprise	0.5
EDUC 1300	Effective Learning	3	03270100	Special Topics in Social Studies	0.5
ENGL 1301	Composition I	3	03220300	English III Part A	0.5
ENGL 1302	Composition II	3	03220300	English III Part B	0.5

2. College Offerings

ENGL 2322	British Literature I	3	03220400	English IV	1
ENGL 2327	American Literature 1	3	03221800	Independent Study in English	1
GOVT 2305	US Government	3	03330100	US Government	0.5
GOVT 2306	Texas State and Local Government	3	03380022	Special Topics in Social Studies II	0.5
HIST 1301	US History I	3	03380002	Special Topics in Social Studies I	0.5
HIST 1302	US History II	3	03340100	US History	1
HUMA 1301	Introduction to Humanities I	3	03221600	Humanities I	1
MATH 1314	College Algebra	3	03101100	Pre-Calculus A	0.5
MATH 2312	Pre-Calculus Math	3	03101100	Pre-Calculus B	0.5
MATH 2413	Calculus 1	4	03102500	Independent Study In Math	1.0
MATH 2314	Calculus 2	4	03102501	Independent Study In Math	1.0
PHED 1164	Foundations of Personal Fitness	3	PES00052	Personal Fitness	0.5
PSYC 2301	Introduction to Psychology	3	03350100	Psychology	0.5
SOCI 1301	Introduction to Sociology	3	03370100	Sociology	0.5
SPCH 1315	Public Speaking	3	03241400	Communication Applications	0.5

- **Please Note:** The **P-TECH/ICIA** Early College High School Design is following Health Care and Welding for certification paired with an Associates Degree or 60 hours. The design for that college portion of the program will be similar to R.O.A.R., but some course work may vary.

3. Course Descriptions

COURSE DESCRIPTIONS

This section contains descriptions for all courses offered at Wharton High School, organized by content area. Courses can be identified by a Wharton ISD Course Code, or “local code,” and a state-issued PEIMS Service ID.

ENGLISH LANGUAGE ARTS

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
00005133	English 1	9	1.0		03220100
00005113	English 1 Honors	9	1.0		03220100
00005233	English 2	10	1.0		03220200
00005213	English 2 Honors	10	1.0		03220200
00005333	English 3	11	1.0		03220300
000A5313	English 3 Advanced Placement	11	1.0	X	A3220100
R7053113/07053113	English 3 Dual Credit	11	1.0	X	03220300
00005433	English 4	12	1.0		03220400
05511600	Business English	12	1.0		13011600
000A5413	English 4 Advanced Placement	12	1.0		A3220200
00707068	English 4 Dual Credit (1301/1302)	12	1.0	X	03220400
R7054113	English 4 Dual Credit (2322/2327)	12	1.0	X	03220400
00705701/2	Communications Applications Dual Credit	9-12	0.5	X	03241400
00057133	Debate 1	10-12	1.0		03240600
00057233	Debate 2	10-12	1.0		03240700
00057333	Debate 3	10-12	1.0		03240800
00001500	Literary Genres: Mythology	11-12	1.0		03221500
00005914	English 1 Speakers of Other Languages (ESOL)	9	1.0	X	03200600
00005924	English 2 Speakers of Other Languages (ESOL)	10	1.0	X	03200700

English 1

Credit: 1.0

Prerequisite: None

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

3. Course Descriptions

English 1 Honors

Credit: 1.0

Recommended Prerequisite: Grade 8 Honors ELAR

Students will work independently and within a learning community to critically analyze a variety of literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse and complex selection of texts. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. A variety of research techniques will be taught to facilitate independent investigation of concepts and ideas. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled.

English 1

Credit: 1.0

Prerequisite:

In this course, emphasis will be placed on units of composition, vocabulary, and literature. Major literary works including classical novels will be read throughout this course. In addition, selected short stories, nonfiction and poetry will be studied. There will be occasional projects, periodic research, major composition assignments, and outside reading. The student will be expected to demonstrate critical thinking skills of analysis, evaluation and synthesis through participation in classroom discussions and writing.

English 2

Credit: 1.0

Prerequisite: None

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts that reflect a wide range of cultures and world experiences. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

Note: This course meets State graduation requirements for communication skills proficiency.

English 2 Honors

Credit: 1.0

Recommended Prerequisite: English 1 Honors

Students will work independently and within a learning community to critically analyze a variety of literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse and complex selection of texts that reflect a wide range of cultures and world experiences. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. A variety of research techniques will be taught to facilitate independent investigation of concepts and ideas. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled.

Note: This course meets State graduation requirements for communication skills proficiency.

3. Course Descriptions

English 3

Credit: 1.0

Prerequisite: None

Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on American literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format.

English 3 Advanced Placement: Language and Composition

Credit: 1.0

Recommended Prerequisite: English 2 Honors

Instruction is rigorous and is designed to prepare college-bound students. Students will work independently and within a learning community to critically analyze a variety of literary genres with emphasis on influential works of American literature. Students will use their understanding of rhetorical strategies and literary elements to analyze and evaluate complex literature. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled. Students will implement effective and thoughtful research strategies to produce research products with correct documentation of sources and format.

Note: Students are encouraged to take the Advanced Placement exam in May and exam fees apply.

English 3 Dual Credit

Credit: 1.0

Prerequisite: Must meet TSI requirements

Students enrolled in this course are dually enrolled at Wharton Junior College upon completion of the required college paperwork. Students who successfully complete this course receive 6 credit hours from WCJC for the following courses:

ENGL 1301 – Composition 1 and ENGL 1302 – Composition 2

Intensive study of and practice in writing processes and techniques for developing researched-based expository and persuasive texts. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

English 4

Credit: 1.0

Prerequisite: None

Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on British literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format.

3. Course Descriptions

Business English

Credit: 1.0

Prerequisite: None

Students are expected to plan, draft, and complete written compositions on a regular 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. **Please Note:** Business English **can be substituted for English 4** for all Endorsement Pathways, except those students on the Multidisciplinary Pathway.

English 4 Advanced Placement (AP) Literature and Composition

Credit: 1.0

Recommended Prerequisite: English 3 Advanced Placement

Instruction is rigorous and is designed to prepare college-bound students. Students will work independently and within a learning community to critically analyze a variety of literary genres with emphasis on influential works of British and American literature. Students will use their understanding of rhetorical strategies and literary elements to analyze and evaluate complex literature. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled. Students will implement effective and thoughtful research strategies to produce research products with correct documentation of sources and format. **Note:** Students are encouraged to take the Advanced Placement exam in May and exam fees apply.

English 4 Dual Credit

Credit: 1.0

Prerequisite: ENG 1301 & 1302

This is a college-level course that focuses on British Literature. A research paper is required which stresses methodology, organization, and techniques for effective written communication. Students enrolled in this course are dually enrolled at WCJC. Students who successfully complete this course receive 6 credit hours WCJC:

ENGL 2322: British Literature I: A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

ENGL 2327: American Literature 1: A survey of American Literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

College Prep ELA

Credit: 1.0

Prerequisite: Enrollment based on TSI results. Counselor Placement ONLY.

This is a college preparatory course designed to extend the understanding of English Language Arts concepts. The necessary components of grammar, persuasion, and argumentation needed for success in college are reviewed. Application of abstract and analytical thinking skills, advanced vocabulary, and writing skills are stressed. This is a fourth year course focused on those English Language Arts (ELA) skills necessary to pass the ELA placement tests at colleges, technical schools, and area community colleges. This course may satisfy TSI Reading and Writing College Readiness standards for WCJC.

Note: This course does not fulfill state credit requirements for graduation.

3. Course Descriptions

Communications Applications Dual Credit

Credit: 0.5

Prerequisite: Must meet TSI requirements

Students enrolled in this course are dually enrolled at WCJC. Students who successfully complete this course receive 3 credit hours from WCJC for the following course: SPCH 1311: Introduction to Speech Communication

This is a college-level course that focuses on theories and practice of communication in interpersonal, small group and public speech. Students learn about communication theory, improve skills in communication with others, and make formal oral presentations.

Note: This is a one semester course.

Debate 1-3

Credit: 1.0

Prerequisite: None

Students in this course will develop the skills needed to participate in UIL debate events. Studies will include debate formats, logical/critical thinking, reading skills for research, briefing of arguments, interpreting resolutions, construction of affirmative and negative cases, listening to cross examination, evaluation arguments, and presenting debates. Students will be required to enter and attend interscholastic competitions and will be required to attend practice and research sessions outside of school time.

Literary Genres: Mythology

Credit: 1.0

Prerequisite: None

In this comprehensive course students read, write, discuss, research, and create projects in order to explore the patterns, messages, and implications of myths. This course examines the crucial centerpiece of the human quest for order, meaning and significance: myth. Beyond the thorough investigation of major mythic traditions (Greek, Roman, Norse, Egyptian), careful attention is devoted to exploring a "reader's perspective" on myth (critical, "objective," or sympathetic) and major thematic elements. Students draw regular parallels to and applications from the myths of interest.

3. Course Descriptions

English for Speakers of Other Languages (ESOL)

English for Speakers of Other Languages (ESOL) is offered to assist students whose native language is not English in gaining a level of fluency which will enable their completion of a high school education. A maximum of two ESOL English credits may be applied to the 4-credit English requirement for graduation. Additional ESOL courses will be counted as elective credits.

English 1 Speakers of Other Languages (ESOL)

Credit: 1.0

Prerequisite: Placement based on the student's level of English proficiency.

This course teaches the same academic content as English I while supporting English Language Learners in developing interpersonal and academic vocabulary. Initial instruction focuses on listening and speaking, and reading and writing skills are developed simultaneously as the student comprehends and speaks more English.

English 2 Speakers of Other Languages (ESOL)

Credit: 1.0

Prerequisite: Placement by committee based on the student's level of English proficiency.

This course teaches the same academic content as English 2 while supporting English Language Learners in developing interpersonal and academic vocabulary. Initial instruction focuses on listening and speaking, and reading and writing skills are developed simultaneously as the student comprehends and speaks more English.

3. Course Descriptions

MATHEMATICS

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
00010233	Algebra 1	9-12	1.0		03100500
00010223	Algebra 1 Honors	9-12	1.0	X	03100500
00010633	Geometry	9-12	1.0	X	03100700
00010613	Geometry Honors	9-12	1.0	X	03100700
00010433	Algebra 2	9-12	1.0	X	03100600
00010413	Algebra 2 Honors	9-12	1.0	X	03100600
00010933	Math Models	11-12	1.0	X	03102400
05501000	Mathematical Appl in Agriculture (3 rd Year Math)	11	1.0	X	13001000
00010723	Pre-calculus	11-12	1.0	X	03101100
00010713	Pre-calculus Honors	11-12	1.0	X	03101100
00710713	Pre-Calculus Dual Credit	11-12	1.0	X	03101100
05516900	Statistics & Business Decision (4 th Year Math)	12	1.0	X	13016900
00010813/ 00710813	Calculus Honors/ Dual Credit	12	2.0	X	03102500/ 03102501

Algebra 1

Credit: 1.0

Prerequisite: None

Algebra I provides students insights through the content strands of linear functions, equations, and inequalities, quadratic functions and equations, exponential functions and equations, and number and algebraic methods. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Algebra 1 Honors

Credit: 1.0

Prerequisite: None

This course explores the same concepts as Algebra 1, but on a level of instruction intended to prepare students for dual credit coursework. Algebra I provides students insights through the content strands of linear functions, equations, and inequalities, quadratic functions and equations, exponential functions and equations, and number and algebraic methods. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

3. Course Descriptions

Geometry

Credit: 1.0

Prerequisite: Algebra I

In Geometry, students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs.

Geometry Honors

Credit: 1.0

Prerequisite: Algebra I

This course provides a more in-depth experience in the concepts of Geometry. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability.

Algebra 2

Credit: 1.0

Prerequisite: Algebra I

In Algebra 2, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Algebra 2 Honors

Credit: 1.0

Prerequisite: Algebra I

This course provides a more in-depth experience in the concepts of Algebra 2. In Algebra 2, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Math Models

Credit: 1.0

Prerequisite: Algebra I

In mathematical models with applications, students will use a mathematical modeling cycle to analyze problems, understand problems better, and improve decisions. Students will also learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions.

Mathematical Applications in Agriculture

Credit: 1.0

Prerequisite: Algebra 1, Geometry

In Mathematical Applications in Agriculture, Food, and Natural Resources, students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources.

3. Course Descriptions

Pre-calculus

Credit: 1.0

Prerequisite: Geometry, Algebra II

Precalculus is designed to provide a firm foundation for high-level mathematics courses. Topics in this college-preparatory course include functions and their graphs, conics, trigonometric identities and equations, vectors, periodic functions, trigonometric and analytic applications, concept of infinity and limit, concepts of reasoning, and logic for use with proofs.

Pre-calculus Honors

Credit: 1.0

Prerequisite: Geometry, Algebra II

This course provides more in-depth experience in the concepts of Pre-calculus. Pre-calculus is designed to provide a firm foundation for high-level mathematics courses. Topics in this college-preparatory course include functions and their graphs, conics, trigonometric identities and equations, vectors, periodic functions, trigonometric and analytic applications, concept of infinity and limit, concepts of reasoning, and logic for use with proofs. The next course is usually Calculus.

Pre-calculus Dual Credit

Credit: 1.0

Prerequisite: Algebra 2

This course is designed to form a solid mathematics foundation that students will need as they enter college. In this course, students will study four major areas during the year: limits, derivatives, indefinite integrals, and definite integrals. As students develop the concepts, they will learn how the mechanics go along with the topics.

Students enrolled in this course are dually enrolled at WCJC. Students who successfully complete both semesters of this course will receive 6 credit hours from WCJC for the two following course: MATH 1314: College Algebra- This is a college-level course that provides an in-depth study and application of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. MATH 2312: Precalculus-This two-course sequence includes in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices, as well as a combined study of algebra, trigonometry, and other topics for calculus readiness.

Statistics Business Decision Making

Credit: 1.0

Recommended Prerequisite: Geometry, and preferably Algebra II

A mathematics course that follows Algebra I, Geometry, and preferably Algebra II. The course emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. 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 valid.

3. Course Descriptions

Calculus Honors/Dual Credit

Credit: 1.0

Prerequisite: Pre-Calculus

Note: Students who want to take this course as dual credit must meet TSI standards to enroll through WCJC.

Limits of functions, continuity, and derivatives are studied in detail. Both indefinite and definite integrals are explored, with applications to area and volume. The student will study the line, vectors in a plane, the circle, conics, relations, functions and their graphs, the intersections of loci, non-linear inequalities in the plane, parametric equations, polar coordinates, and solid analytic geometry. Graphing calculators will be used extensively. Students enrolled in this course are dually enrolled at WCJC. Students who successfully complete both semesters of this course will receive 8 credit hours from WCJC for the two following course: MATH 2413: Calculus I & MATH 2414: Calculus 2 This is a college-level course that provides an in-depth study and application of the concepts listed for Calculus. The high school will award two credits for this series in Independent Study in Mathematics, one for each semester.

Math College Prep

Credit: 1.0

Prerequisite: Enrollment based on TSI results and placement by counselor.

This course addresses a variety of mathematical topics needed to prepare students to be successful in college-level mathematics. Students will connect and use multiple strands of mathematics in situations and problems, as well as other disciplines. This is a fourth year course focused on those Math skills necessary to pass the Math placement tests at colleges, technical schools, and area community colleges. This course may satisfy TSI Reading and Writing College Readiness standards for WCJC.

3. Course Descriptions

SCIENCE

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
00015733	Integrated Physics and Chemistry (IPC)	9-10	1.0		03060201
00015133	Biology	9-12	1.0		03010200
00015113	Biology Honors	9-12	1.0		03010200
00015433	Chemistry	10-12	1.0	X	03040000
00015413	Chemistry Honors	10-12	1.0	X	03040000
00015633	Physics	11-12	1.0	X	03050000
00015613	Physics Honors	11-12	1.0	X	03050000
00A15613	Physics AP: Electricity & Magnetism	11-12	1.0	X	A3050005
05550700	Adv Animal Science	12	1.0	X	13000700
00015933	Earth Space Science	11-12	1.0	X	03060200
00015333	Environmental Systems	11-12	1.0	X	03020000
00015223	Anatomy & Physiology	11-12	1.0	X	13020600
05520700	Medical Microbiology	11-12	1.0	X	13020700
05523000	Food Science	11-12	1.0	X	13023000
00015833	Forensic Science	11-12	1.0	X	13029500
R1321300 R1321310	Scientific Research & Design Biology for Science Majors Dual Credit	12	1.0 1.0	X	13037200 13037210
R1321320 R1321330	Scientific Research & Design Geology Dual Credit	12	1.0 1.0	X	13037200 13037210

Integrated Physics and Chemistry

Credit: 1.0

Prerequisite: None

In IPC, students conduct laboratory and field investigations and use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the concepts of physics and chemistry using practical applications relating to topics such as force, motion, energy, and matter.

Note: This course does not count towards a STEM endorsement.

Biology

Credit: 1.0

Prerequisite: None

This course provides a study of life including origin, structure, reproduction, growth, and development of living organisms. Areas of study will include the structure and functions of cells, microorganisms, and plants; animal observation, measurement, classification, prediction, and reporting skills will be emphasized. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38. Dissections may be a part of the curriculum.

3. Course Descriptions

Biology Honors

Credit: 1.0

Prerequisite: None

This advanced version of Biology I includes all elements of that course. Instruction is at a faster pace, which permits investigation of topics at a greater depth. Analysis questions will be included on all tests. Dissections may be a part of the curriculum. Additionally, students will receive instruction in cardiopulmonary resuscitation (CPR) as outlined in Texas Education Code §74.38.

Chemistry

Credit: 1.0

Prerequisite: Biology, Algebra I, Geometry or concurrent enrollment in Geometry

This course covers the study of matter in a traditional manner. Topics include the properties of matter, atomic structure, chemical bonding, stoichiometry, and quantum mechanics with an emphasis on high level math. Laboratory procedures, classification and measurement skills, predicting outcomes, and applications of chemistry in daily life will be emphasized. This fulfills one credit of the science requirement for all graduation plans and for college.

Chemistry Honors

Credit: 1.0

Prerequisite: Biology or Pre-AP Biology, Algebra I, Geometry or concurrent enrollment in Geometry or Algebra 2

This preparation course for Chemistry AP includes all the elements of Chemistry I as well as prepares the student for Chemistry AP and/or a rigorous college-level chemistry course. Instruction is at a faster pace, which permits investigation of topics at a greater depth. In addition, major emphasis will be placed on an independent research project, which includes project selection, literature search, experimental design, data collection, data analysis, and presentation of findings.

Physics

Credit: 1.0

Prerequisite: Algebra II or concurrent enrollment in Algebra II

This course provides an in-depth investigation of the relationship between matter and energy. Students will perform calculations and laboratory investigations on topics including motion, forces, work, waves, sound, light, and electrical and nuclear energy. The course is math intensive.

Physics Honors

Credit: 1.0

Prerequisite: Algebra II or concurrent enrollment in Algebra II

The advanced version of Physics I includes all the elements of that course. Emphasis will be placed on the formulation of models used to solve problems. In addition, major emphasis will be placed on an independent research project which includes project selection, literature search, experimental design, data collection, data analysis, and presentation of findings. This course allows the student to meet the pre-requisite for AP Physics.

AP Physics: Electricity & Magnetism

Credit: 1.0

Prerequisite: Physics, Algebra II or concurrent enrollment in Algebra II

The advanced version of Physics I includes all the elements of that course. Course Description: This course is designed to be equivalent of the general Physics course in college. Emphasis will be on the mathematical quantification, scientific reasoning, and statistical evaluation of data. A strong emphasis is placed on field and laboratory experiences **Note:** Students are encouraged to take the Advanced Placement exam in May and exam fees apply.

3. Course Descriptions

Advanced Animal Science

Credit: 1.0

Prerequisite: Principles in Agriculture, Food and Natural Resources, Equine Science/ Small Animal Management ; credit for Biology and Chemistry or concurrent enrollment in Chemistry

Advanced Animal Science provides opportunities for students to develop knowledge and skills pertaining to production, harvesting, and marketing of livestock. Students will apply scientific principles, scientific inquiry, science and social ethics, safe laboratory practices, scientific methods and equipment used during field and laboratory investigations; use critical thinking, scientific reasoning and problem solving; apply principles of molecular genetics and heredity, examine and compare animal anatomy and physiology in livestock species; identify nutritional requirements of ruminant and non-ruminant animals; evaluate animal diseases and parasites, and other related topics. Study of related careers and employability characteristics of successful employees is also included.

Earth and Space Science

Credit: 1.0

Prerequisite: Biology, IPC/Chemistry and one advanced Science that can be taken concurrently AND Algebra I, Geometry and Math Models/Algebra II that can be taken concurrently.

This course is designed to build students' prior scientific and academic knowledge and skills to develop an understanding of Earth's system in space and time. Students will investigate Earth through each of its spheres and then investigate space in relation to Earth. Topics include Earth's 5 spheres, plate tectonics, the fossil record, natural resources, the solar system, and the universe. Students will be required to complete various projects, class presentations, work individually, and work in teams.

Environmental Systems

Credit: 1.0

Prerequisite: Biology, Chemistry/Physics or IPC.

This science course will introduce students to major ecological concepts and environmental problems that affect the world in which they live. The course is designed as a fourth-year science course. Topics include: history of environmental systems, earth systems, resources, population dynamics, ecosystem changes, and ethics. Field trips may require payment of fees. College level text is utilized.

Anatomy & Physiology

Credit: 1.0

Recommended Prerequisite: Biology and Chemistry

Anatomy and Physiology is an advanced science course designed to extend the concepts of biology to a study of human anatomy and physiology. The course will be laboratory oriented. A college-level textbook is used in the course.

Medical Microbiology

Credit: 1.0

Recommended Prerequisite: Biology and Chemistry

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

3. Course Descriptions

Food Science

Credit: 1.0

Prerequisite: Biology, Chemistry

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 in food products, the principles underlying food processing, and the improvement of foods for the consuming public.

Forensic Science

Credit: 1.0

Prerequisite: Biology, Chemistry

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to a crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis.

Scientific Research and Design Dual Credit:

Biology for Science Majors

Credit: 1.0

Prerequisite: One year of high school science (Biology and Chemistry recommended); must meet TSI requirements, see page 16

Students enrolled in this course are dually enrolled at WCJC. Students who successfully complete this course receive 4 credit hours per semester from WCJC for the following courses: **BIOL 1406 and 1407:**

Biology for Science Majors I&II

This course covers the fundamental principles of living organisms including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of reproduction, genetics, ecology, and the scientific method are included. Learning outcomes include the history and philosophy of the science of biology, basic chemistry, cellular structure and function, energetics, genetics, evolution, taxonomy and survey of the kingdoms is covered. Laboratory exercises will compliment lecture topics.

Note: Students taking both semesters will earn two full credits in Scientific Research and Design I & II.

Scientific Research and Design Dual Credit:

Geology

Credit: 1.0

Prerequisite: One year of high school science (Biology and Chemistry recommended); must meet TSI requirements, see page 16

Students enrolled in this course are dually enrolled at WCJC. Students who successfully complete this course receive 4 credit hours per semester from WCJC for the following courses: **BIOL 1403 and 1404: Physical and Historical Geology. Physical Geology 1303 + Lab 1103=** Introduction to the study of the materials and processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories based on experimental data gathered from field observations. Topics include continental drift, earthquakes, glaciations, mineral resources, mountain building, oceans, volcanoes, weathering, and erosion. **Historical Geology 13040+ Lab 1104=** Historical Geology (Core 030). A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils. Introduction to the history of the earth and its past inhabitants. Provides a broad overview of fossil records as evidence of the various kinds of plants and animals that have existed on earth.

Note: Students taking both semesters will earn two full credits in Scientific Research and Design I & II.

3. Course Descriptions

SOCIAL STUDIES

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
00020433	World History	9	1.0		03340400
00020413	World History Honors	9	1.0		03340400
00A20113	AP Human Geography	10-12	1.0		A3360200
00020133	World Geography	10	1.0		03320100
00020113	World Geography Honors	10	1.0		03320100
00020333	US History	11	1.0		03340100
00020313	US History Honors	11	1.0		03340100
00203133	US History Dual Credit	11	1.5	X	03380002/ 03340100
00020231	US Government	12	0.5		03330100
00020211	US Government Honors	12	0.5	X	03330100
07070711	US Government Dual Credit	12	0.5	X	03330100
00025132	Economics	12	0.5		03310300
00025112	Economics Honors	12	0.5	X	03310300
07070722	Economics Dual Credit	12	0.5	X	03310300
00033501/2	Psychology	11-12	0.5		03350100
R1300010	Psychology Dual Credit	11-12	0.5	X	03350100
03380082	Personal Financial Literacy	10-12	0.5		03380082
03380081	Special Topics in Social Studies 1 Dual Credit:	9	0.5	X	03380002
R0707012	Social Studies Research Methods 1 Dual Credit: TX Government	11-12	0.5	X	03380003

World History Studies

Credit: 1.0

Prerequisite: None

This course provides students an overview of the history of humankind. Traditional historical points of reference in World History are identified as students analyze important events and issues from earliest times to the present using primary and secondary source materials, reading and writing skills, technology, and critical thinking.

World History Honors

Credit: 1.0

Recommended Prerequisite: None

Honors World History covers the major themes of world history from Ancient Greece to the Twentieth Century, tracing the historical development of human cultures. This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading.

World Geography Studies

Credit: 1.0

Prerequisite: None

This course is designed to acquaint the student with the physical and cultural geography of the earth and its impact on historical and contemporary events. Students will explore the five major geographic themes,

3. Course Descriptions

geographic terminology, the physical setting of the earth, and the world's regions and cultures. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

AP Human Geography (Substitute for World Geography)

Credit: 1.0

Recommended Prerequisite: None

This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading. Students will be introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. The course is meant to prepare the students to take the AP exam at the end of the school year. **Note:** It is highly encouraged for students to participate in the AP exam. This course is recommended to be taken after having had World Geography Honors.

World Geography Studies Honors

Credit: 1.0

Recommended Prerequisite: None

Honors World Geography Studies extends the regular World Geography Studies course by including a more in-depth study of physical, cultural, and political geography. Students will analyze information from a variety of primary and secondary sources to draw conclusions as to how geography influences the political, social, and economic structures within each country and region studied.

United States History Since 1877

Credit: 1.0

Prerequisite: None

This course traces the emergence and growth of the United States following Reconstruction to the present. Topics include the emergence of the U.S. as a world power, geographical influence on historical events, the economic growth and development of the U.S., social and cultural developments within the country, and the evolution of political processes since the Civil War. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

United States History Since 1877 Honors

Credit: 1.0

Prerequisite: None

This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading. This course traces the emergence and growth of the United States following Reconstruction to the present. Topics include the emergence of the U.S. as a world power, geographical influence on historical events, the economic growth and development of the U.S., social and cultural developments within the country, and the evolution of political processes since the Civil War. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

United States History Dual Credit

Credit: 1.0

Prerequisite: Must meet TSI requirements.

Students enrolled in this course are dually enrolled at WCJC. Students who successfully complete this course receive 6 credit hours from WCJC for the following courses: HIST 1301: US History I and HIST 1302: US History II: Students will receive a ½ credit of Adv Social Studies for 1301 from the high school and a full credit of US History for 1302.

This is a survey of the social, political, economic, cultural, and intellectual history of the United States from the

3. Course Descriptions

pre-Columbian era to the present. Themes that may be addressed include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

United States Government

Credit: 0.5

Prerequisite:

This course is designed to provide an understanding of the functions of federal, state, and local governments. Major focus is placed on the Constitution and its influence on all governmental levels and the rights and responsibilities of American citizenship.

Note: This is a one semester course.

United States Government Honors

Credit: 0.5

Prerequisite:

This course is designed to provide an understanding of the functions of federal, state, and local governments. Major focus is placed on the Constitution and its influence on all governmental levels and the rights and responsibilities of American citizenship. This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading.

Note: This is a one semester course.

United States Government Dual Credit

Credit: 0.5

Prerequisite: Must meet TSI requirements.

Students enrolled in this course are dually enrolled at WCJC upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from WCJC for the following course:

GOVT 2305: Federal Government

This college level course focuses on the following aspects of United States 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.

Note: This is a one semester course.

Economics with Emphasis on the Free Enterprise System and Its Benefits

Credit: 0.5

Prerequisite: None

This course focuses on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students will use primary and secondary source materials, technology, and critical thinking skills to better understand the free enterprise system and its benefits.

Note: This is a one semester course.

3. Course Descriptions

Economics with Emphasis on the Free Enterprise System and Its Benefits Honors

Credit: 0.5

Prerequisite: None

This course focuses on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students will use primary and secondary source materials, technology, and critical thinking skills to better understand the free enterprise system and its benefits. This is an advanced level course that requires outside reading, writing and research and emphasizes critical thinking skills, SAT vocabulary, and analytical reading.

Note: This is a one semester course.

Economics Dual Credit

Credit: 0.5

Prerequisite: Must meet TSI requirements

Students enrolled in this course are dually enrolled at WCJC upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from WCJC for the following course:

ECON 2301: Principles of Macroeconomics

This college-level course is a survey of microeconomic and macroeconomic principles for non-business majors. Microeconomic topics will include supply and demand, consumer behavior, price and output decisions by firms under various market structures, factor markets, market failures, international trade, and exchange rates. Macroeconomic topics will include national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth. Students use the tools and methods of economic analysis, data analysis, and formal research and writing projects. **Note:** This is a one semester course.

Psychology

Credit: 0.5

Prerequisite: None

In this course, students will learn the basic terms, methods, and applications of psychology. They will have opportunities to study the historical development of the field of psychology; consider the development of the individual and personality; and to study various topics including emotion, motivation, learning and dysfunctional behavior. **Note:** This is a one semester course. Pair with Personal Financial Literacy.

Psychology Dual Credit

Credit: 0.5

Prerequisite: Must meet TSI requirements

Students enrolled in this course are dually enrolled at WCJC upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from WCJC for the following course:

PSYC 2301: General Psychology

This college credit elective course provides a survey of major topics in psychology and introduces the study of behavior and the factors that determine and affect behavior and mental processes. Students will identify various research methods and their characteristics used in the scientific study of psychology along with the historical influences and early schools of thought that shaped the field of psychology. Students will also identify terminology unique to the study of psychology and understand accepted approaches and standards in psychological assessment and evaluation as well as identify factors in physiological and psychological processes involved in human behavior. **Note:** This is a one semester course. Pair this with Personal Financial Literacy.

3. Course Descriptions

Personal Financial Literacy

Credit: 0.5

Prerequisite: None

This elective course is designed to develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. This course is designed to be an interactive and research-based course and includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education (FAFSA).

Note: This is a one semester course. Pair this with Psychology or Psychology Dual Credit.

Special Topics in Social Studies 1 Dual Credit:

Texas Government

Credit: 1.0

Prerequisite: Must meet TSI requirements

Students enrolled in this course are dually enrolled at WCJC upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from WCJC for the following courses:

GOVT 2306: Texas Government

This course will address the origin and development of the Texas constitution, structure, and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas.

3. Course Descriptions

PHYSICAL EDUCATION, ATHLETICS, AND SPORTS MEDICINE

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
03510331	Foundations of Personal Fitness: Cross Training	9-12	0.5		PES00052
03510332	Individual Sports	9-12	0.5		PES00055
00035903 00035913 00035923 00035933	Tennis I-IV	9-12	1.0	X	PES00000, PES00001 PES00002, PES00003
TBD	Cross Country I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
TBD	Golf I-IV, Swimming I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
00035803 00035813 00035823 00035933	Boys Soccer I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
00358033 00358013 00358023 00358033	Girls Soccer I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
00035703 00035713 00035723 00035733	Baseball I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
00035603 00035613 00035623 00035633	Softball I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
00035703 00035713 00035723 00035733	Football/Boys Basketball I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
00035603 00035613 00035623 00035633	Volleyball/Girls Basketball I-IV	9-12	1.0	X	PES00000, PES00001, PES00002, PES00003
00550040	Sports Medicine I	10-12	1.0	X	N1150040
00550041	Sports Medicine II	10-12	1.0	X	N1150041
00550044	Sports Medicine III	11-12	1.0	X	N1150044

3. Course Descriptions

Physical Education (PE) Requirements

The physical education curriculum operates under specific state (Texas Education Code 28.002) and local guidelines, outlined below:

- Each student is required to complete one (1.0) credit of physical education to meet State graduation requirements.
- General Physical Education courses may be taken only once and students may be enrolled in only one Physical Education course per semester.
- Additional PE courses may be taken for elective credit, for a maximum of 4.0 credits
- Physical Education substitutions allow a student to use approved physical activities to meet the state physical education graduation requirement.
- Courses that are substituted for physical education may NOT also be counted to meet other graduation requirements
- All students must be assessed on their physical fitness based on their Physical Education Classification using the FITNESSGRAM Assessment.
- Students cannot be enrolled in athletics and P.E. simultaneously. This is a UIL violation (with the exception of Adventures in Outdoor Education).

General Physical Education Courses

Foundations of Personal Fitness: Cross Training

Credit: 0.5

Prerequisite: None

This course is designed to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students improve their fitness within the class and learn the process of becoming fit and staying fit. This class will specifically focus on Cross-Training and weights as a life-long form of physical activity. Students will have the opportunity to experience workouts using various equipment such as Swiss Balls, resistance bands, free weights, medicine balls, and jump ropes during the semester.

Note: This is a one semester course.

Individual Sports

Credit: 0.5

Prerequisite: None

Students enrolled in the Individual Sports course will improve their health and fitness while developing competency in Bowling, Table Tennis, Badminton, Disc Golf, and other activities, as available. Individual Sports focuses on incorporating wellness into an active lifestyle beyond high school.

Note: This is a one semester course.

3. Course Descriptions

Athletics

Wharton High School offers a variety of competitive sports for both girls and boys. Athletic activities are operated under guidelines of the University Interscholastic League (UIL). Participation **requires approval** of the head coach of the respective sport(s), parent permission, a physical examination by a licensed physician, and maintenance of a satisfactory academic record.

Sports Medicine Courses

Sports Medicine courses do **NOT** count as the physical education requirement for State graduation.

Sports Medicine I

Credit: 1.0

Prerequisite: Prior approval by the Athletic Trainer

Recommended Prerequisite: Medical Terminology and Principles of Health Science

This course is an introduction to athletic training. It includes the basics of athletic training procedures, first aid and CPR.

Sports Medicine II

Credit: 1.0

Prerequisite: Sports Medicine I, prior approval by the Athletic Trainer

This course is an in-depth study and application of the components of athletic training. It includes hands-on practice, time working with the sports team and after school practice time. Prior approval is needed by the Athletic Trainer to be in this course.

Sports Medicine III

Credit: 1.0

Prerequisite: Sports Medicine II, prior approval by the Athletic Trainer

This course includes clinical rotation with advanced hands-on experience in preparation for university athletic training or medical field programs.

3. Course Descriptions

AIR FORCE JUNIOR ROTC (AFJROTC)

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
00650013	Air Force JROTC I	9	1.0		PES00004
00650023	Air Force JROTC II	10	1.0	X	03160200
00650033	Air Force JROTC III	11	1.0	X	03160300
00650043	Air Force JROTC IV	12	1.0	X	03160400

Air Force JROTC I

Credit: 1.0

Prerequisite: None

This course is comprised of Aerospace Science and Leadership Education and Wellness. The Aerospace Science portion of the course is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. Leadership education is an integral part of the instruction. During the first course, the student is introduced to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program. The course includes instruction on both the cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions. The Drill and Ceremonies course is integrated in this course as part of Leadership Education. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender.

Air Force JROTC II

Credit: 1.0

Prerequisite: N/A

This course is a continuation of applied leadership concepts and more in-depth investigation of technical subjects. Leadership skills will be exercised on a daily basis. Cadets will begin to assume responsibility for the organization and operations of the Corps of Cadets.

Air Force JROTC III

Credit: 1.0

Prerequisite: N/A

This course is a continuation of applied leadership concepts and more in-depth investigation of technical subjects. Leadership skills will be exercised on a daily basis. Cadets will begin to assume responsibility for the organization and operations of the Corps of Cadets.

Air Force JROTC IV

Credit: 1.0

Prerequisite: N/A

This course provides practical experience in planning, organizing, and executing theories of group dynamics as leaders of the WHS Corps of Cadets. Classroom training and research projects are designed to complement and reinforce the application of leadership theories and techniques learned in previous AFROTC courses.

3. Course Descriptions

LANGUAGES OTHER THAN ENGLISH (LOTE)

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
00030133	Latin I	9-12	1.0		03430100
00030233	Latin II	9-12	1.0	X	03430200
00030313	Latin III Honors	9-12	1.0	X	03430300
00A30413	Latin IV AP	9-12	1.0	X	A3430100
00040133	Spanish I	9-12	1.0		03440100
00040233	Spanish II	9-12	1.0	X	03440200
00040313	Spanish III Honors	9-12	1.0	X	03440300
00A40413	Spanish Language IV AP	9-12	1.0	X	A3440100

Latin I

Credit: 1.0

Prerequisite: None

Latin I is an introduction to Classical Latin and the Roman world (circa 200 BC to 200 AD). Students will learn vocabulary, pronunciations, and the grammar and syntax necessary to read Latin, compose basic text in Latin, and to use the language as a medium for understanding the civilization of Classical Antiquity. Additional units on Roman life, culture, history and mythology complete the curriculum. Participation with Latin Club and JCL augment these studies and provide students with unique opportunities to compete, to network with other students, teachers, professors, and authors, and to potentially win awards and college scholarships. **Please Note:** The Latin course sequence will be offered through the Texas Virtual School Academy.

Latin II

Credit: 1.0

Prerequisite: Latin 1 or passing score on district administered Credit-by-Exam

This course begins with a comprehensive review of Latin I and then expands upon those foundations to prepare students for Latin III Pre-AP. Emphasis will be placed upon grammar and reading with a continuous goal of proficiency and overall language mastery. The focus will spotlight Rome and its territories, in terms of history, politics and government, mythology, daily life and other topics. Students will be able to pronounce Latin, read Latin passages, compose simple Latin sentences, build their English vocabulary, and compare the ancient world with the modern. **Please Note:** The Latin course sequence will be offered through the Texas Virtual School Academy.

Latin III Honors

Credit: 1.0

Prerequisite: Latin 2 or passing score on district administered Credit-by-Exam

After a thorough review of grammar, syntax, vocabulary, and reading skills, Latin III students will read and analyze authentic Latin texts to see what real Latin looks like. Authors studied may include Martial, Horace, Ovid, Catullus, Caesar, and Vergil. Topics include grammar, history, culture, mythology, and literary conventions. **Please Note:** The Latin course sequence will be offered through the Texas Virtual School Academy.

3. Course Descriptions

Latin IV AP

Credit: 1.0

Prerequisite: Latin 3 or passing score on district administered Credit-by-Exam

Advanced Placement Latin is the culmination of previous studies of Latin. This fast-paced class focuses on reading and comprehending samples of Latin prose and poetry from Caesar's *Comentarii De Bello Gallico* and Vergil's *Aeneid*. To prepare for the AP Latin exam, students develop and hone their abilities to analyze and interpret texts, and learn to make and defend arguments based on Latin texts. Topics include grammar, history, culture, mythology, and literary conventions. **Please Note:** The Latin course sequence will be offered through the Texas Virtual School Academy.

Spanish I

Credit: 1.0

Prerequisite: None

This course covers the skills of listening, speaking, reading, and writing in Spanish. Emphasis is on understanding common expression, greetings, questions, commands, and simple conversation. The ability to give an appropriate oral response and participate in elementary conversation is stressed. Culture and language learning techniques are also an integral part of the course.

Spanish II

Credit: 1.0

Prerequisite: Spanish I or passing score on district administered Credit-by-Exam

A study of the grammatical construction of the language is continued by an extensive review of concepts learned in Spanish I. The focus is on oral reading, reading comprehension, expanding vocabulary and writing brief compositions. The ability to give an appropriate oral response and participate in simple conversation is stressed. Culture and language learning techniques are also an integral part of the course.

Spanish III Honors

Credit: 1.0

Prerequisite: Spanish II or passing score on district administered Credit-by-Exam or Native Spanish Speakers

A study of the grammatical construction of the language is continued by an extensive review of concepts learned in Spanish II. This course is primarily conducted in Spanish with a focus on language learning techniques and expanding vocabulary through listening and speaking activities. Reading comprehension and writing composition is increased through short stories, and current events. Students who are able to skip directly to Spanish 3 or 4 successfully will retroactively earn Spanish 1 and 2 credit. **Please Note:** This course maybe offered in person or through the Texas Virtual School Academy (depending on course requests and staffing).

Spanish Language 4 Advanced Placement (AP)

Credit: 1.0

Recommended Prerequisite: Three credits in Spanish or Native Spanish Speakers

This course is intended for students who use Spanish for active communication. Students enrolled in this course will develop their proficiency in all four language skills: aural/oral, reading comprehension, advanced grammar structure and composition. Emphasis will be placed on a selection of Latin American writers, with a focus on extensive reading and writing.

Please Note: Students are encouraged to take the Advanced Placement exam in May and exam fees apply. This course maybe offered in person or through the Texas Virtual School Academy (depending on course requests and staffing).

3. Course Descriptions

FINE ARTS

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
Visual Arts					
00459133	Art I	9-12	1.0		03500100
00459233	Art II Drawing	10-12	1.0	X	03500500
TBD	Art II Sculpture	10-12	1.0	X	03501000
00459333	Art III Drawing	10-12	1.0	X	03501300
TBD	Art III Sculpture	11-12	1.0	X	03501900
00459433	Art IV Drawing	11-12	1.0	X	03502300
TBD	Art IV Sculpture	12	1.0	X	03502800
TBD	AP Studio Art: Drawing	11-12	1.0	X	A3500300
05551800	Floral Design	9-12	1.0		13001800
Theatre Arts					
00458533	Theatre Art I	9-12	1.0		03250100
00458633	Advanced Theatre Arts II	10-12	1.0	X	03250200
00458733	Advanced Theatre Arts III	10-12	1.0	X	03250300
00458833	Advanced Theatre Arts IV	10-12	1.0	X	03250400
00451900 00452000 00452100	Musical Theatre I-III	10-12	1.0	X	03251900, 03252000, 03252100
00457633 00457733 00457833	Theatre Production I-III	10-12	1.0	X	03250700, 03250800, 03250900
Dance					
00035911 00035912	Drill Team 1/Dance 1	9-12	0.5/0.5	X	PES00014/ 03832500
00035921 00035922	Drill Team 2/Dance 2	9-12	0.5/0.5	X	PES00014/ 03832600
00035931 00035932	Drill Team 3/Dance 3	9-12	0.5/0.5	X	03830300/ 03832700
00035941 00035942	Drill Team 4/Dance 4	9-12	0.5/0.5	X	03830400/ 03832800
Instrumental Music					
00451131/32 00452131/32 00045313 00045413	Band I-4	9-12	0.5/0.5 0.5/0.5 1.0 1.0	X	PES00001/ 03150100 PES00012/ 03150200 03150300, 03150400
	Color Guard I-IV (enrolled in Band)	9-12	1.0	X	

3. Course Descriptions

Visual Arts

Art I

Credit: 1.0

Prerequisite: None

Art I is the foundation level for art study throughout high school. The course emphasizes the elements of art and principles of design, color theory, vocabulary, art criticism, art history, and safety in the art room with a strong foundation in design, drawing and vocabulary. This course fulfills the prerequisite for all Art 2 courses.

Art Appreciation I Dual Credit

Credit: 1.0

Prerequisite: Must meet TSI requirements, see page 16

Students enrolled in this course are dually enrolled at WCJC upon completion of the required college paperwork. Students who successfully complete this course receive 3 credit hours from WCJC for the following course:

ARTS 1301: Art Appreciation

This course presents an introduction to the exploration of purposes and processes in the visual arts, including evaluation of selected works. Included is the study of art history, including major artists and works.

Note: This is a semester course.

Art II Drawing

Credit: 1.0

Prerequisite: Art I

Student will express ideas through original art works using a variety of drawing media. They will be able to apply design skills using practical applications. The students will study historical periods as well as critique art work.

Art II Sculpture

Credit: 1.0

Prerequisite: Art I

Student will further development skills that were introduced in Art I in relation to 3D media. Students will explore additive and subtractive processes using a variety of techniques and materials such as wire, plaster, clay, wood, and other media. Art appreciation is an integral part of this course.

Art III Drawing

Credit: 1.0

Prerequisite: Art II Drawing

This course explores a variety of techniques and visual solutions dealing with drawing issues. Students will gain expertise in the handling of various drawing media as well as develop a mature sense of visual communication. The class is intended for those who wish to enter the AP program and pursue artistic course work in college.

3. Course Descriptions

Art III Sculpture

Credit: 1.0

Prerequisite: Art II Sculpture

Students entering Sculpture 3 will advance and improve three-dimensional conceptual and building skills. Students will be expected to work independently while maturing under different and challenging project assignments. Plaster, clay, wood, and other materials will be used in the class. This class is intended for those who wish to enter the AP Studio Art class.

Art IV Drawing

Credit: 1.0

Prerequisite: Art III Drawing

Students in Art 4 Drawing operate on a contract basis in which they select the projects they wish to pursue each six weeks period. Strong emphasis is placed on the student's creativity and ability to choose projects that challenge the student's talent.

Art IV Sculpture

Credit: 1.0

Prerequisite: Art III Sculpture

Students in Art IV Sculpture operate on a contract basis in which they select the projects they wish to pursue each six weeks period. Strong emphasis is placed on the student's creativity and ability to choose projects that challenge the student's talent.

Studio Art: Drawing Advanced Placement (AP)

Credit: 1.0

Recommended Prerequisite: Art II

This course will enable the high school student to earn college credit through the submission of a portfolio of 24 pieces of artwork to the AP Board. Students can choose any approach to drawing issues, which include traditional drawing materials, painting, printmaking and mixed media.

Note: Students are required to submit an Advanced Placement portfolio in May and exam fees apply.

Floral Design

Credit: 1.0

Recommended Prerequisite: Art II

Floral Design is designed to develop student's ability to identify and demonstrate the principles and techniques related to floral principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, 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. Please note: This course will satisfy the fine arts requirement for graduation or can be taken as the 2nd sequence of the Agricultural Plant Science Endorsement Pathway.

3. Course Descriptions

Theatre Arts

Theatre Art I

Credit: 1.0

Prerequisite: None

This elective course is an introduction to theatre that requires the expressive use of body and voice in interpreting and performing dramatic literature. Concepts and skills in areas of acting and theatre history will be emphasized. Specific topics include pantomime, stage movement, improvisation, monologue and duet acting performance, and evaluation of theatrical experiences.

Advanced Theatre Arts II

Credit: 1.0

Prerequisite: Theatre Arts 1

This Performance course further refines concepts and skills of acting. An integral part of this course is the performance of scenes and plays with costumes, make-up and scenery.

Advanced Theatre Arts III-IV

Credit: 1.0

Prerequisite: Audition and Theatre Arts II

This performance course allows the actor to refine concepts and skills through public performance.

Note: Participation in at least one after-school performance per semester is required.

Musical Theatre I-III

Credit: 1.0

Prerequisite: Audition and Theatre Arts I

This performance course is designed for 10th-12th grade students interested in musical theatre. This class will develop each student's acting, dance, and vocal technique through the rehearsal and performance of musical theatre selections. Students will also gain directing experience as they choreograph and direct fellow students in their performance pieces. Students will perform for the public.

Theatre Production I-III

Credit: 1.0

Prerequisite: Audition/ Theatre I

Theatre Production I-III provides practical hands-on experiences in acting and stage craft through the preparation and public performance of plays.

Note: Performance of scenes and monologues is the main focus of this course as well as performance in a one-act play.

Dance

Drill Team/ Dance Team I-IV

Credit: 1.0

Prerequisite: Instructor Approval/ Audition

The elite performing ensemble representing the Wharton High School Dance Program is called The Wharton Tiger Stars. Tiger Star members are selected through an audition process. This is a group, which requires travel, fund raising activities and extensive after school rehearsals and performances throughout the year. Wharton Tiger Stars are required to maintain passing grades by UIL state standards. Students are required to follow "no pass no dance" rules.

Please Note: Drill Team 1 & 2 – 1st semester earns PE credit; Dance 1 & 2 2nd semester earns Fine Art Credit; Drill Team 3 & 4 earns Fine Art credit each semester.

3. Course Descriptions

Band

Band I-IV

Credit: 1.0

Prerequisite: Audition

The high school band program provides four to five levels of band classes during the school day. Instructional priorities include instrumental technical, musicianship, critical listening, cultural growth, basic music theory, creative self-expression, rehearsal and concert etiquette, self-discipline, responsible citizenship, effective communication, problem solving, and production of quality products. Band students receive instruction of both marching and concert fundamentals. During marching season, students learn marching fundamentals, marching chart reading, how to play and march simultaneously, spatial awareness, kinesthetic awareness and movement memory. A variety of musical styles are performed. Physical conditioning is also emphasized. Students should be in good physical condition to participate. Concert season is ongoing and provides students an opportunity to continue musical growth and experience music literature. Performances during the concert season include 3 -5 concerts and 3 -5 festival performances. Students may also participate in a series of auditions related to the all-state process as well as solo and ensemble contests.

Please Note: Band 1 and Band 2 – 1st semester earns PE credit – 2nd semester earns Fine Art credit
Band 3 and Band 4 – earns Fine Art Credit

Color Guard I-IV

Credit: 1.0

Prerequisite: Band Director Approval/ Audition

This class is designed for all students who are members of the Wharton High School Color Guard. Anyone who does not play an instrument but is a member of the guard must be enrolled in the class. Students are placed in the guard through audition held in the spring. The Color Guard is an integral part of the Wharton High School Band, and is an expression of music through dance and guard equipment (flags, rifles, sabers). The guard continues in the spring semester as a competitive unit called Winter Guard, allowing the students to develop their skills throughout the spring semester. Dance skills are taught from a basic level to advanced skills focusing on modern dance and ballet. Attendance at all marching band and Winter Guard performances is required.

3. Course Descriptions

ADDITIONAL COURSES

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
00707033	Office Aide	12	NA	X	85000OFC
00707043	Library Aide	12	NA	X	85000LIB
00550001	AVID I	9	1.0		N1290001
00550002	AVID II	10	1.0	X	N1290002
00550003	AVID III	11	1.0	X	N1290030
00550003	AVID IV	11	1.0	X	N1290033

Student Aide: First Semester/Second Semester

Credit: N/A

Prerequisite: Counselor and/or administrator approval

Students with passing grades and/or excess credits for graduation who have no disciplinary infractions may apply to serve as a student aide in the school office, attendance office, or library. This course provides life experiences as students learn to be prompt, dependable and efficient. Students will receive training in communication skills, time management, and organizational skills.

Advancement Via Individual Determination

(AVID) I-IV

Credit: 1.0

Prerequisite: None

AVID is a series of academic, regularly scheduled elective classes that focus on learning, inquiry, and collaboration. The three main components of the AVID program are academic instruction (AVID curriculum), tutorial support and motivational activities. The mission of the AVID program is to ensure that all students are capable of completing a college-preparatory path, have a chance to succeed and enroll in four-year colleges and universities.

Note: All Associate Degree Pathway students are encouraged to be enrolled in AVID.

3. Course Descriptions

CAREER AND TECHNICAL EDUCATION (CTE)

The Wharton ISD Career and Technical Education (CTE) Department offers multiple programs and course sequences that provide students coherent and rigorous content leading to a graduation endorsement. CTE Programs are designed to build a stronger set of skills for each student preparing them for a diverse set of outcomes ranging from professional post-secondary degrees to career-focused workforce training. Every CTE course focuses to some degree on three (3) major skill sets, technical skills, content skills and workplace skills. The CTE programs are designed to be hands-on and industry driven, leading to practical applications. Here is a summary of our CTE graduation endorsement programs.

Business and Industry Endorsement

Agriculture Programs

Agricultural Mechanics Plant Science Animal Science Veterinary Science

Hospitality Programs

Culinary Arts

Trades Program

Construction Technology

Manufacturing Programs

Welding Technology P-Tech/ICIA Wharton Industrial Connections Academy (WICA)

Technology Programs

Graphic Design Animation Yearbook

Transportation Program

Drone Pilot

Public Service Endorsement

Public Service Programs

Education and Training Law Enforcement

Health Science Programs

Health Care Basics (C.N.A) Emergency Medical Technician (EMT) P-Tech/ICIA Health Care

3. Course Descriptions

COURSE DESCRIPTIONS

CTE course descriptions are organized by **program**. The four-year sequence of courses for each CTE chosen Endorsement Pathway program can be found in the “High School Graduation Requirements” section of this catalog.

Introductory Level Courses

The courses listed below offer a survey of the field or industry that relates to multiple CTE programs and serve as a preview of the material to come in later courses. These courses will focus on workplace skills, career survey education, and post-secondary readiness.

Principles of Agriculture, Food, and Natural Resources

Credit: 1.0

Prerequisite: None

This hands-on interactive introductory course provides students with opportunities to learn basic knowledge and skills in many facets of the Texas Agriculture Industry: plant production, swine, cattle, sheep, goats, poultry and Agriculture Mechanics. Additionally, students will learn about the FFA Organization and opportunities for supervised agriculture work experiences.

Agricultural Mechanics and Metal Technologies

Credit: 1.0

Prerequisite: None

This hands on, lab oriented class will stress safety in the work place while allowing students to prepare for careers in agricultural power, structural, and technical systems, as well as gain knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. 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.

Introduction to Culinary Arts

Credit: 1.0

Prerequisite: None

This course emphasizes the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. Students will learn the operations of a well-run restaurant along with learning the basics of skills. The student will have the opportunity to begin to learn culinary skills, as well as safety and proper food handling.

Principles of Construction

Credit: 1.0

Prerequisite: None

This introductory course in construction will provide students a basic theory of construction and beginning knowledge. Students will develop a solid foundation for entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools.

3. Course Descriptions

Introductory Level Courses (continued)

Principles of Manufacturing

Credit: 1.0

Prerequisite: None

This principles course is designed to introduce students to the welding field. The advanced sequence of courses beyond this course will lead to a certification in welding that will allow the student to obtain work outside of high school (or even in high school). Basic welding skills are introduced to the students and safety and OSHA training are provided.

Principles of Education & Training

Credit: 1.0

Prerequisite: None

This course is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students also will gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Principles of Law, Public Safety, Corrections and Security

Credit: 1.0

Prerequisite: None

Principles of Law, Public Safety, Corrections and Security is the introductory course in the Criminal Justice/Law Enforcement sequence. It introduces students to the professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of law enforcement agencies, the court systems, and the correctional systems. The student will acquire the basic introductory skills necessary for a possible career in law enforcement, public safety, corrections or the private security industry.

Principles of Health Science

Credit: 1.0

Prerequisite: None

This course is designed to provide an opportunity for understanding the concepts and skills necessary for entering the health care field. Essential elements included in this course are current events in health care, medical terminology, anatomy and physiology, human growth and development, CPR, first aid, basic concepts of illness and wellness, medical communications skills, and interpersonal relationships.

Principles of AAVTC (Arts, Audio, Video, and Technology)

Credit: 1.0

Prerequisite: None

Students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Principles of Transportation Systems

Credit: 1.0

Prerequisite: None

Students 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 logistics of warehousing and transportation systems. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation, distribution, and logistics industries. This course is meant to lead students towards the drone pilot certification.

3. Course Descriptions

Advanced CTE Courses

This section of the catalog is devoted to 2nd-4th year CTE courses arranged by the program of study they represent. Please review the 4 year sequence of courses in the “High School Plan and Graduation Requirements” Section of this catalog.

Agriculture Program

Agricultural Structures Design and Fabrication w/Lab

Credit: 2.0

Prerequisite: Agricultural Mechanics and Metal Technologies

Students will learn the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. **Note:** This is a 2- period course.

Agricultural Power Systems

Credit: 2.0 or with Extended Lab (3.0)

Prerequisite: Agricultural Structures Design and Fabrication

Agricultural Structures Design and Fabrication is a capstone course in the Agricultural mechanics program where students will demonstrate their skills through the production of resources and projects that provide benefit the agricultural industry in some way. Students will explore career opportunities, entry requirements, and industry expectations.

NOTE: *This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.*

Practicum in Agriculture, Food, and Natural Resources (Welding)

Credit: 2.0 or with Extended Lab (3.0)

Prerequisite: Agricultural Power Systems

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. A research project is required. This course is recommended for students in Grade 12. The practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Program. **NOTE:** *This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.*

Floral Design

Credit: 1.0

Prerequisite: Principles of Agriculture, Food, and Natural Resources

Students will develop and examine floral design in relation to arrangement of flowers, foliage, and related plant materials for interior locations. This course incorporates business practices and careers in the floral industry. Students will be responsible for purchasing materials or assessed a fee associated with this course. This course is also listed in the Fine Arts section of the Catalog.

Landscape/ Turf Grass Management

Credit: 1.0 (Each course is a ½ credit and should be paired together)

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,

3. Course Descriptions

goats, and poultry to prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Students in Turf grass management will develop the skills and techniques in how to establish and maintain turf grass and manage business procedures with turf grass

Practicum in Agriculture, Food, and Natural Resources (Plant Science)

Credit: 2.0 or

Prerequisite: Agricultural Power Systems

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. A research project is required. This course is recommended for students in Grade 12. The practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Program.

Small Animal Management

Credit: 0.5

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

This course exposes students to the small animal industry, and may include, but is not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats. Students will study the issues and importance of the small animal industry, safe handling and management of small animals; identifying diseases that can be transmitted from animals to humans, and preventing the spread of diseases. Safe and correct handling of hazardous chemicals and laboratory equipment, identifying different breeds or types of each species studied, habitat, housing and equipment for each species, nutritional requirements, health maintenance, and basic grooming procedures will be explored. Students will study related careers and opportunities in the small animal industry, and employability characteristics of a successful employee.

Note: This is a one semester course.

Equine Science

Credit: 0.5

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

This is a hands-on course that allows students to gain knowledge and skills pertaining to nutrition, reproduction and health management in horses, donkeys and mules. This includes evaluation and selection of horses, nutrition and management; issues affecting the equine industry; participation in youth leadership activities, and study of related careers and employability characteristics of a successful employee.

Note: This is a one semester course.

Livestock Production

Credit: 1.0

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 success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

3. Course Descriptions

Wildlife, Fisheries, and Ecology Management

Credit: 1.0

Prerequisite: Principles of Agriculture, Food, and Natural Resources

This course prepares students for careers in natural resource systems. 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. This course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources wisely. The student will study the scientific basis for wildlife management, game and non-game species, management of wildlife populations, diseases impacting plants and animals, interrelationships between various aspects of wildlife and outdoor public use, laws and regulations regarding the use of wildlife resources, landowner and property rights, security issues, legal issues, apply cartographic skills to natural resource activities, monitor natural resource status, and other related topics.

Advanced Animal Science

Credit: 1.0

Prerequisite: Principles in Agriculture, Food and Natural Resources, Equine Science/ Small Animal Management ; credit for Biology and Chemistry or concurrent enrollment in Chemistry

Advanced Animal Science provides opportunities for students to develop knowledge and skills pertaining to production, harvesting, and marketing of livestock. Students will apply scientific principles, scientific inquiry, science and social ethics, safe laboratory practices, scientific methods and equipment used during field and laboratory investigations; use critical thinking, scientific reasoning and problem solving; apply principles of molecular genetics and heredity, examine and compare animal anatomy and physiology in livestock species; Identify nutritional requirements of ruminant and non-ruminant animals; evaluate animal diseases and parasites, and other related topics. Study of study of related careers and employability characteristics of successful employees is also included.

Veterinary Medical Applications

Credit: 1.0

Prerequisite: Advanced Animal Science, Biology, Chemistry;

Veterinary Medical Applications provides instruction in veterinary practices as they relate to both large and small animal species. This includes knowledge and skills in ethics of veterinary medicine, veterinary hospital management and marketing, medical terminology, anatomical structures and body systems, medical terms related to diagnosis, pathology and treatment of animals, identification of parasites, animal identification, characteristics, and behavioral temperament, mathematical calculations used in veterinary medicine, procedures for clinical examination and diagnosis, care, use and maintenance of equipment and instruments found in a veterinary clinic, and other related topics. Students will also investigate related veterinary careers and study employability characteristics of a successful employee.

Practicum in Agriculture, Food, and Natural Resources

Credit: 2.0

Prerequisite: Veterinary Medical Applications; 90% attendance for previous year.

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. A research project is required. This course is recommended for students in Grade 12. The practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Program.

3. Course Descriptions

Culinary Program

Culinary Arts

Credit: 2.0

Prerequisite: Intro to Culinary

Students will learn the fundamentals and principles of the art of cooking and the science of baking. Emphasis is placed on safety, management, production skills and techniques in a professional kitchen setting. Students can pursue a national sanitation certification, ServSafe Certification, or any other appropriate food industry certification. This course will be offered as a laboratory based course. Students are encouraged to participate in extended learning experiences.

Practicum in Culinary Arts I

Credit: 2.0 or with Extended Lab (3.0)

Prerequisite: Culinary Arts

The practicum is designed to give students supervised practical application of knowledge and skills in the culinary arts field. Students will participate in a practicum learning experience that combines classroom instruction and actual business and industry career experiences. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. **NOTE: This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.**

Practicum in Culinary Arts II

Credit: 2.0 or with Extended Lab (3.0)

Prerequisite: Practicum in Culinary Arts I

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. A research project is required. This course is recommended for students in Grade 12. The practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Program. **NOTE: This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.**

3. Course Descriptions

Trades Program

Construction Technology 1

Credit: 2.0

Prerequisite: Algebra I; Principles of Construction

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. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Construction Technology 2

Credit: 2.0 or with Extended Lab (3.0)

Prerequisite: Geometry; Construction Technology 1.

Advanced Construction Technology is an activity-based laboratory and construction site course with job-specific training for entry-level employment in trades related to construction careers: framing and finish carpentry, painting, installation and repair of drywall, and understand application of metal framing. Students will be expected to learn blueprint reading for residential and commercial buildings. Students are expected to complete a 10-hour OSHA safety course and they will receive a 10 hour OSHA card. A study of entrepreneurship, leadership, and career opportunities is included. **NOTE:** *This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.*

Practicum in Construction Technology

Credit: 2.0

Prerequisite: Construction Technology 2

The Practicum in Construction Technology class is an advanced course designed to provide classroom technical instruction or on-the-job training experiences. Students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. Students will have opportunities to demonstrate their knowledge and skills in construction technology in a paid or unpaid job setting or be involved in locally approved projects. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. **NOTE:** *This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.*

3. Course Descriptions

Manufacturing Program

Welding 1

Credit: 2.0

Prerequisite Principles of Manufacturing

Welding I provides the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will be exposed to different types of welding and oxy fuel cutting. Students will be expected to identify types of welds including fillet welds, groove, spot, plug, flanged, and be able to identify welding symbols and read blueprints. Students are also expected to work independently and fabricate with minimal assistance as well as learn the different types of gases used in the welding field. During this time the student will also demonstrate proper knowledge in electrical theory as it applies to welding machinery and equipment such as AC/ DC heat transfer and polarity.

Note: Students who do not demonstrate required knowledge of safety and equipment skills during the first three weeks of this course may be dropped from the class.

Welding 2

Credit: 2.0 with Extended Lab (3.0)

Prerequisite: Welding 1; Geometry

Welding 2 builds on knowledge and skills developed in Welding. Students will apply academic skills to the requirements of welding, including estimation of costs, accurate reading of measurement instruments to project costs, selecting appropriate tools to make accurate measurements, computing measurements such as area, surface area, volume, and perimeter. The student is expected to learn and be able to demonstrate the function and application of welding tools, equipment, technologies, and materials used in welding, and to be able to read and interpret blueprints and welding symbols. The student will perform advanced welding procedures including cutting, shielded metal arc welding, advanced oxy-fuel processes, gas metal arc welding, flux cored arc welding, and gas tungsten arc welding using a variety of metals. Students are expected to be able to appraise and evaluate welding projects, be knowledgeable about all federal, state, and local safety regulations and practices. **NOTE:** *This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.*

Practicum In Manufacturing

Credit: 2.0 with Extended Lab (3.0)

Prerequisite: Advanced Welding

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills in Welding I and Welding II. Students will continue to master practical skills and have an opportunity to prepare for industry approved certification or licensure. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. **NOTE:** *This is 2-period course and has the option of adding an additional period to earn 3 credits instead of 2.*

3. Course Descriptions

Wharton Industrial Connections Academy

Academy Dual Credit, Year 1 and 2

Credit: 3.0

Prerequisite: Complete all enrollment requirements of WCJC, Principles of Manufacturing and Welding recommended

Wharton High School in partnership with the Wharton Junior College has created a dual credit Industrial manufacturing program targeting high school juniors and seniors in P-TECH/ICIA. This program is being designed for the 19-20 entering freshman class and beyond..

NOTE: This is a two-year sequence of courses taught at Wharton County Junior College.

Technology Program

Animation 1

Credit: 1.0 (or with Lab 2.0)

Prerequisite: Principles of AAVTC

In Animation I with Lab, students will learn the history of Animation, principles of Animation and the various forms of Animation, specifically 2D and 3D Animation. Students will use Autodesk Maya and the Adobe Creative suite to create 3D animation models and produce short films. 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.

NOTE: *This course is worth 1 credit unless taken with the extended lab for 2 credits.*

Animation 2

Credit: 1.0 (or with Lab 2.0)

Prerequisite: Animation I

In Animation II, students will build upon the knowledge and skills of the animation courses and continue to delve deeper into the 2D and 3D fields of Animation to including rigging character models, developing backgrounds and environments and producing completed animation products. Careers in animation span all aspects of motion graphics. The instruction also assists students seeking careers in the animation industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. **NOTE:** *This course is worth 1 credit unless taken with the extended lab for 2 credits.*

Practicum in Animation

Credit: 2.0 (or with Lab 3.0)

Prerequisite: Animation 2

The Practicum in Animation Course is a more advanced in depth look at the skills acquired in Animation 2. Students will further build upon the knowledge and skills of the animation courses and continue to delve deeper into the 2D and 3D fields of Animation 2 to including rigging character models, developing backgrounds and environments and producing completed animation products. Careers in animation span all aspects of motion graphics. The instruction also assists students seeking careers in the animation industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. **NOTE:** *This course is worth 2 credit unless taken with the extended lab for 3 credits.*

3. Course Descriptions

Graphic Design: Yearbook 1

Credit: 1.0

Recommended Prerequisite: Principles of AAVTC

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art, photography, and design demonstrated through the production of the school yearbook.

Graphic Design: Yearbook 2

Credit: 1.0

Prerequisite: Principles of AAVTC: Yearbook 1

In addition to developing advanced technical knowledge and skills, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills while producing the school yearbook.

Graphic Design: Yearbook 3

Credit: 1.0

Prerequisite: Graphic Design 2: Yearbook 2

Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction will be delivered through lab-based classroom experiences as the students refine skills developed in previous courses and take leadership roles as editors of the school yearbook.

Graphic Design and Illustration 1

Credit: 1.0 with Lab (2.0)

Prerequisite: Principles of AAVTC

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students will utilize software programs, such as Adobe Illustrator to create digital vector files for purposes of publication and promotion. All aspects of the design cycle will be studied to produce works of digital creation. **NOTE: This course is worth 1 credit unless taken with the extended lab for 2 credits.**

Graphic Design and Illustration 2 with Lab

Credit: 1.0 with Lab (2.0)

Prerequisite: Graphic Design and Illustration 1 with Lab

Students will continue to expand upon their knowledge and skills of the graphic design and illustration courses through demonstrated performance in executing course tasks and through the creation of digital portfolio productions. Students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills. **NOTE: This course is worth 1 credit unless taken with the extended lab for 2 credits.**

Practicum in Graphic Design & Illustration

Credit: 2.0 with Extended Lab (3.0)

Prerequisite: Graphic Design and Illustration 2 with Lab

The Practicum in Graphic Design and Illustration will continue to expand upon student's prior knowledge and skills of the graphic design and illustration courses through demonstrated performance in executing course tasks and through the creation of digital portfolio productions. Students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills. **NOTE: This course is worth 2 credit unless taken with the extended lab for 3 credits.**

3. Course Descriptions

Management of Transportation Systems

Credit: 1.0

Prerequisite: Principles of Transportation Systems

In Transportation Systems Management, students gain knowledge and skills in material handling and distribution and proper application, design, and production of technology as it relates to the transportation, distribution, and logistics industries. This course includes the safe operation of tractor-trailers, fork lifts, and related heavy equipment. The course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings..

Practicum in Transportation Systems 1 & 11

Credit: 2.0 with Extended Lab (3.0)

Prerequisite: Principles of Transportation Systems and Management of Transportation Systems

These courses provide job-specific training for entry-level employment in the highly technical career field of drone pilot. Instruction in these courses is meant to lead towards a certification as an FAA Drone pilot. **NOTE:** *This course is worth 2 credit unless taken with the extended lab for 3 credits.*

Public Service Programs

Education

Human Growth and Development

Credit: 1.0

Prerequisite: Principles of Education

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Instructional Practices in Education and Training

Credit: 2.0

Prerequisite: Human Growth and Development

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of instructional strategies and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training

Credit: 2.0

Prerequisite: Instructional Practices in Education and Training

This is a field-based internship practicum that provides students with background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course will work closely with veteran educators modeling instructional best practices. The teaching roles and assignments of these exemplary educators will vary from elementary, middle school, and high school-aged

3. Course Descriptions

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.

Law

Criminal Investigations

Credit: 1.0

Prerequisite:

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.

Law Enforcement 1

Credit: 1.0

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

Law Enforcement 1 is an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. The student will explore how constitutional law affects law enforcement procedure, functions, and daily patrol procedures. The student will be exposed to law enforcement terminology, the classifications of criminal behaviors, the theories of criminal behaviors, and the processing of a crime scene.

Forensic Science

Credit: 1.0

Prerequisite: Biology, Chemistry

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis.

Law Enforcement 2

Credit: 1.0

Prerequisite: Law Enforcement 1

This course offers students opportunities to further prepare for a career in law enforcement. Students will learn how to use telecommunications equipment, testify in courtroom proceedings, manage crisis situations, handle domestic violence cases, implement crowd management strategies, protect against terroristic threats, interview and interrogate individuals ensuring the protection of their constitutional rights, process various crime scenes, demonstrate the use of force with the application of various restraints, process someone in custody, and be able to explain the education and training needed for a career in law enforcement and the state mandate to continue getting more education as technologies emerge in this field.

3. Course Descriptions

Health Science Programs

Medical Terminology

Credit: 1.0

Prerequisite: Principles of Health Science (recommended)

Medical Terminology is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations, and by relating terms to body systems. Students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

Health Science Theory/Health Science Clinical

Credit: 2.0

Prerequisite: Medical Terminology

Health Science Theory is designed to provide development of advanced knowledge and skills related to a wide variety of health careers. Students will apply academic skills with hands-on experience, implement the knowledge and skills of a health science professional in the clinical setting, evaluate ethical behavioral standards and legal responsibilities, assesses wellness strategies for the prevention of disease and other related topics. Entry-level skills will be developed for taking vital signs, using medical terminology, providing CPR and other skills needed to work in the health care field. Students will employ hands-on experiences for continued knowledge and skill development.

Practicum in Health Science:

Certified Nursing Assistant (CNA)

Credit: 2.0

Prerequisite: Health Science; must pass a criminal background check; must complete an application for CNA

Other Requirements:

- Must attend a student/parent meeting
- Must submit completed application for the Certified Nurse Assistant Program
- Must pass a TB skin test
- Must have a flu shot
- Must purchase set of scrubs; color TBD by instructor
- Course Fees: Nurse Aide State Certification Exam

The Certified Nurse Assistant course is designed for the student interested in a nursing or health careers. The course goal is for the student to become a Certified Nurse Assistant (CNA) and to pass the state licensing exam. The program is a combination of classroom, laboratory, and clinical learning that will introduce the student to all facets of the Nurse Assistant field. Content of the course includes the role and function of the CNA, anatomy and physiology, and basic patient care skills. Course instruction prepares students to qualify for the Texas Nurse Aide Competency Evaluation Exam for certification.

3. Course Descriptions

Practicum in Health Science:

Emergency Medical Technician (EMT)

Credit: 2.0

Prerequisite: *Health Science*

Other requirements:

- Must have flu shot
- Must pass a TB skin test
- Application Fee to the Texas Department of State Health Services for ECertificate
- Fingerprint/Background Check fee at the time of application for EMT Certificate
- Testing Fee

The Emergency Medical Technician course is designed for students interested in careers as first responders or in other health careers. The course offers a combination of classroom, laboratory, and clinical learning that will introduce the student to all aspects of the EMS field. Content of the course prepares students to meet all requirements of the EMT-Basic licensure. The course is a prerequisite for anyone wishing to pursue a career as an EMT/Paramedic. The course also covers the training most cities require of firefighters. The EMS field offers a range of career paths ranging from oil-field medic to emergency room technician.

Note: Co-enrollment in Practicum in Health Science: Certified Nurse Assistant (CNA) is discouraged.

Practicum in Health Science:

P-TECH/ ICIA

Credit: 2.0

Prerequisite: *Health Science*

Other requirements:

- Must have flu shot
- Must pass a TB skin test
- Application Fee to the Texas Department of State Health Services for ECertificate
- Fingerprint/Background Check fee at the time of application for EMT Certificate
- Testing Fee

This course will be paired with college courses at WCJC in conjunction with Wharton Industrial Connections Academy. This program is only for students beginning the 19-20 school year as freshman and beyond. The certification track is being developed. However, any student interested in obtaining a certification in the medical industry and also obtaining their Associates or 60 college hours will begin with the introductory course: Principles of Health Science.

Career Preparation I or II

Credit: 3.0

Prerequisite: *Must be a Junior or Senior with transportation and a job with 15 hours or more per week.*

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. Students are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. A student not employed at an approved training station prior to the ninth day of school shall have a schedule change removing him/her from the Career Preparation program. The student will receive an employer evaluation each grading period as one component of the six week average.

3. Course Descriptions

CAREER AND TECHNICAL EDUCATION (CTE) COURSES

WISD Course Code	Course Title	Grade	Credit	Prerequisite	PEIMS #
05532200	Agricultural Mechanics & Metal Technologies	10-12	1.0		13002200
05522550	Introductory to Culinary Arts	9-12	1.0		13022550
05550200	Principles of Agriculture, Food & Natural Resources	9-12	1.0		13000200
05558200	Principles of Audio/Video Technology	9-12	1.0		13008200
05554220	Principles of Construction	9-12	1.0		13004220
05514200	Principles of Education	9-12	1.0		13014200
05522200	Principles of Health Science	9-12	1.0		13020200
05529200	Prin Of Law, Public Safety, Corrections & Security	9-12	1.0		13029200
05532200	Principles of Manufacturing	9-12	1.0		13032200
05539250	Principles of Transportation	9-12	1.0		13039250
05552310	Ag. Structures Design & Fabrication w/Lab	12	2.0	X	13002310
05552400	Ag. Power Systems	11-12	2.0	X	13002400
05552410	Ag. Power Systems w/Lab	11-12	3.0	X	13002410
05552500	Practicum in Agriculture (Welding)	11-12	2.0	X	13002500
05552505	Practicum in Agriculture (Welding) w/Lab	11-12	3.0	X	13002505
05551800	Floral Design	9-12	1.0		13001800
05551900	Landscape	10-12	0.5	X	13001900
05551950	Turf Grass Management	10-12	0.5	X	13001950
05552500	Practicum in Agriculture (Plant Science)	11-12	2.0	X	13002500
05550500	Equine Science	9-12	0.5	X	13000500
05550400	Small Animal Management	9-12	0.5	X	13000400
05550300	Livestock Production	10-12	1.0	X	13000300
05551500	Wildlife, Fisheries & Ecology Management	10-12	1.0	X	13001500
05550700	Advanced Animal Science	10-12	1.0	X	13000700
05550600	Veterinary Medical Applications	11-12	1.0	X	13000600
05552500	Practicum In Agriculture, Food & Natural Resources (Vet Science)	12	2.0	X	13002500
05522600	Culinary Arts	10-12	2.0	X	13022600
05522700	Practicum in Culinary (1 st Time Taken)	11-12	2.0	X	13022700
05522705	Practicum in Culinary (1 st Time) w/Lab	12	3.0	X	13022705
05522710	Practicum in Culinary (2 nd Time Taken)	12	2.0	X	13022710
05522715	Practicum in Culinary (2 nd Time) w/Lab	11-12	3.0	X	13022715
05523000	Food Science	11-12	1.0	X	13023000
05555100	Construction Technology 1	9-12	2.0	X	13005100
05555200	Construction Technology 2	10-12	2.0	X	13005200
05555250	Practicum in Construction Technology	11-12	2.0	X	13005250
05555250	Practicum in Construction Tech (w/lab)	11-12	3.0	X	13005255

3. Course Descriptions

05532330	Welding I	9-12	2.0	X	13032300
05532400	Welding II	11-12	2.0	X	13032400
05532410	Welding II w/Lab	11-12	3.0	X	13032410
05533000	Practicum In Manufacturing	12	2.0	X	13033000
05533005	Practicum In Manufacturing w/Lab	12	3.0	X	13033005
05532500/ 05532900	WICA, Year 1	11-12	3.0	X	13032500/ 13032900
05532600/ 05532950	WICA, Year 2	11-12	3.0	X	13032600/ 13032950
05558300	Animation 1	10-12	1.0	X	13008300
05558310	Animation 1 w/ Lab	10-12	2.0	X	13008310
05558400	Animation 2	10-12	1.0	X	13008400
05558410	Animation 2 w/ Lab	10-12	2.0	X	13008410
055Y8800	Graphic Design: Yearbook 2	9-12	1.0	X	13008800
055Y8900	Graphic Design: Yearbook 3	11-12	1.0	X	13008900
055Y9000	Practicum Graphic Design: Yearbook 4	12	2.0	X	13009000
05558800	Graphic Design and Illustration I	10-12	1.0	X	13008800
05558810	Graphic Design and Illustration I w/Lab	10-12	2.0	X	13008810
05558900	Graphic Design and Illustration 2	10-12	1.0	X	13008900
05558910	Graphic Design and Illustration 2 w/Lab	10-12	2.0	X	13008910
05559000	Practicum in Graphic Design	11-12	2.0	X	13009000
05559005	Practicum in Graphic Design w/Lab	11-12	3.0	X	13009005
05540200	Management of Transportation Systems	10-12	1.0	X	13040200
05540450	Practicum in Transportation Systems I	11-12	2.0	X	13040450
05540455	Practicum in Transportation Systems 1 w/Lab	11-12	3.0	X	13040455
05540460	Practicum in Transportation Systems 2	11-12	2.0	X	13040460
05540465	Practicum in Transportation Systems 2 w/Lab	11-12	3.0	X	13040465
05514300	Human Growth & Development	9-11	1.0	X	13014300
05514400	Instructional Practices	11-12	2.0	X	13014400
05514500	Practicum In Education & Training	12	2.0	X	13014500
05529550	Criminal Investigation	9-12	1.0	X	13029550
05529300	Law Enforcement I	10-12	1.0	X	13029300
05529400	Law Enforcement II	11-12	1.0	X	13029400
00015833	Forensic Science	11-12	1.0	X	13029500
05520300	Medical Terminology	10-12	1.0	X	13020300
05520400	Health Science Theory	10-12	1.0	X	13020400
05520410	Health Science Theory / Health Science Clinical	10-12	2.0	X	13020410
05520500	Practicum In Health Science: CNA	12	2.0	X	13020500
05520555	Practicum In Health Science:P-Tech/ICIA	12	2.0	X	13020500
05530315	Practicum In Health Science: EMT	12	2.0	X	13020500
05551305/ 05551405	Career Prep 1/ 2	11-12	3.0	X	12701305/ 12701405

4. Additional Information

Below is other information that may be helpful through the course selection process. Topics are arranged alphabetically.

Academic Achievement

Grade Level Classification

Grade level advancement for students in grades 9–12 shall be earned by course credits in accordance with the course catalog per Board Policy EIE (LOCAL). Additionally, 90% attendance is required to earn credit or a final grade in a course per Board Policy FEC (LEGAL). Any required course failed during the school year should be retaken in summer school, by correspondence, or through credit-by-exam or credit recovery.

Classifications at Wharton High School are determined by total number of credits as follows:

Grade Level Classifications		
Grade	Classification	Credits
9 th	Freshman	0-5.5
10 th	Sophomore	6-11.5
11 th	Junior	12-17.5
12 th	Senior	18+

Any student who does not pass to the next grade level at the end of a school year (or following summer school) can be reclassified to the next grade level at the end of the next semester if he or she recovers all deficient credits.

Rank and Weight

Grade	Advanced	Regular	Grade	Advanced	Regular
100	6.0	5.0	84	4.4	3.4
99	5.9	4.9	83	4.3	3.3
98	5.8	4.8	82	4.2	3.2
97	5.7	4.7	81	4.1	3.1
96	5.6	4.6	80	4.0	3.0
95	5.5	4.5	79	3.9	2.9
94	5.4	4.4	78	3.8	2.8
93	5.3	4.3	77	3.7	2.7
92	5.2	4.2	76	3.6	2.6
91	5.1	4.1	75	3.5	2.5
90	5.0	4.0	74	3.4	2.4
89	4.9	3.9	73	3.3	2.3
88	4.8	3.8	72	3.2	2.2
87	4.7	3.7	71	3.1	2.1
86	4.6	3.6	70	3.0	2.0
85	4.5	3.5	Below 70	0.0	0.0

4. Additional Information

Grade Point Average

Eligible courses for the calculation of class rank shall include semester grades earned in courses taken for state credit in grades 9–12 only, exclusive of grades earned in summer school; credit recovery courses; pass/fail courses; and through credit by examination, with or without prior instruction.

Courses included in rank include core courses (including those CTE courses that count as core), and language other than English. A core course is determined by what TEA determines a course to be classified on the AAR (Academic Achievement Record). For example, Scientific Research and Design, would count as a Science course towards graduation or earning an endorsement and would therefore be considered a "core" course.

A student's numerical grade average shall be computed by totaling the semester numerical grades and dividing by the number of courses taken. The calculation shall include failing grades.

Weighted Courses

All Core Dual Credit/ Honors/ and AP courses shall be weighted. The District shall assign weights to semester grades earned in eligible courses and shall calculate a weighted numerical grade average in accordance with the chart.

Transfer Students

When a student transfers semester grades for courses that would be eligible under the Regular category and the District has accepted the credit, the District shall include the grades in the calculation of class rank.

When a student transfers semester grades for courses that would be eligible to receive additional weight under the District's weighted grade system, the District shall assign additional weight to the grades based on the categories and grade weight system used by the District.

For students transferring into the District, if the sending institution uses letter grades, the conversion shall be as follows:

A+ = 98	B+ = 88	C+ = 79	D+ = 74	
A = 95	B = 85	C = 77	D = 72	F = 69
A– = 91	B– = 81	C– = 75	D– = 70	

Dual Credit Letter Grade Conversion

Courses earned at the college level that transfer back to the high school are assigned a letter grade. The following conversion chart is to be utilized for college level course conversion to high school numeric grades. If the college awards credit, the high school will also award credit.

A = 98	D = 70
B = 88	F = 68
C = 78	

WCJC Letter to GPA Conversion

Each grade of "A" earns 4 grade points per semester hour.
Each grade of "B" earns 3 grade points per semester hour.
Each grade of "C" earns 2 grade points per semester hour.
Each grade of "D" earns 1 grade point per semester hour.
Other grades earn 0 grade points

Local Graduation Honors

The District shall recognize as an honor graduate, each student who has completed the foundation program with the distinguished level of achievement with a weighted GPA of 3.5 or higher for five semesters for early graduates and seven semesters for four-year graduates.

4. Additional Information

For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank in accordance with this policy and administrative regulations by using grades available at the time of calculation at the end of the fifth six-week grading period of the senior year. For the purpose of applications to institutions of higher education, the District shall also calculate class rank as required by state law. The District's eligibility criteria for local graduation honors shall apply only for local recognitions and shall not restrict class rank for the purpose of automatic admission under state law.

Honor Graduate Certificate

For the purpose of determining the highest-ranking graduate for the honor graduate certificate, the District shall calculate class rank using grades available at the end of the sixth six-week grading period of the senior year. The local eligibility criteria for recognition as the valedictorian shall not affect recognition of the highest-ranking graduate for purposes of receiving the scholarship certificate from the state of Texas.

Valedictorian and Salutatorian

The valedictorian and salutatorian shall be the eligible students with the highest and second highest rank, respectively. To be eligible for such recognition, a student must:

1. Have been continuously enrolled in the district high school for the four semesters immediately preceding graduation; and
2. Have completed the Foundation Program with the Distinguished Level of Achievement.

Breaking Grade Average Ties

In case of a tie in weighted GPAs after calculation to four decimal points, the District shall recognize all students involved in the tie as sharing the honor and title.

Advanced Academics

Wharton ISD is committed to providing multiple opportunities for students to participate in advanced academic coursework during their high school experience. The section below provides more information regarding available opportunities and district policies supporting advanced academics. Additionally, advanced academics provide opportunities to serve students identified as Gifted and Talented (GT).

Advanced Academic Course Student Agreements: Advanced Placement (AP), Dual Credit, Honors)

Students who participate in advanced academic courses must complete an Advanced Academic Course Student Agreement(s) and turn in the completed agreement(s) signed by parent or guardian to their teacher before the end of the first week of school. Success in advanced academic courses requires the student's commitment to the expectations of the advanced level course program. Students will be expected to:

- analyze, synthesize, and manipulate knowledge and skills and think critically;
- budget time effectively and efficiently and develop successful study skills;
- commit to a daily academic action plan and attend tutoring regularly if needed;
- come to school early and/or stay late in order to attend tutoring;
- engage in electronically-assigned research and/or communications;
- increase advanced content area vocabulary.

For more information about the Advanced Level Course Agreements and to see a sample agreement, students and parents should contact the counselor.

Advanced Placement (AP) Courses/ Dual Credit Courses

Advanced Placement & Dual Credit courses are offered in many content areas and can be found within each core course listing. These courses are extremely rigorous as they are college-level courses that follow a college curriculum approved by The College Board or through the local junior college. Students taking AP courses are encouraged to take the AP tests offered in the spring and these tests have additional fees paid by

4. Additional Information

the students. Wharton ISD is committed to working with all students and their families to provide fee reduction and/or waiver opportunities, as applicable. Students scoring a 3, 4, or 5 on one of these tests are usually able to gain some college credit (please check with the college you plan on attending). Students should consult specific colleges for what scores and tests they accept as each school awards credit differently.

Any student in 9th – 12th grades may enroll in an Honors/Dual/AP course as long as the student and the parents are willing to commit to the program (noting also, any associated fees with dual credit courses, assessed by the college). However, the teachers, counselors, and administrators strongly recommend that students and parents conference with the current teacher before making their final decisions.

Students are cautioned about taking too many advanced-level courses at one time because of the rigorous curricula. Remember that most college students take 3-5 college-level courses with minimal extracurricular practices and obligations, so caution is recommended. If a change in scheduling is recommended based on students' needs, the schedule change would take place up to the end of the first six weeks or at the end of the first semester. Parent/teacher/counselor communication is required prior to withdrawal from the course.

Examination for Acceleration

In accordance with Board Policy EHDC (LOCAL), students in grades 6-12 may be given credit for an academic subject for whom he or she had no prior instruction. If a student is given credit in a subject on the basis of an examination on which the student scored 80 percent or higher, the District shall enter the examination score on the student's transcript and the student is not required to take an end-of-course (EOC) assessment instrument under Education Code 39.023(c) for the course.

Gifted and Talented (GT) Services

Wharton ISD defines gifted and talented as any child or youth in grades K-12 who performs at, or shows the potential for performing at, a remarkably high level of accomplishment when compared to others of the same age, experience, or environment and who:

- (1) Exhibits high performance capability in general intellectual ability; or
- (2) Excels in one or more specific academic fields: math, science, language arts, and/or social studies

Students who participate in services designed for gifted students will demonstrate skills in self-directed learning, thinking, research, and communication as evidenced by the development of innovative products and performances that are advanced in relation to students of similar age, experience, or environment and that reflect individuality and creativity. High school graduates who have participated in services for gifted students will produce products and performances of professional quality as part of their program services.

Wharton ISD offers services for identified GT students through Honors courses from a GT trained teacher. The Honors courses are designed to meet the needs of Gifted and Talented (GT) students.

Additionally, teachers may utilize resources from the Texas Performance Standards Project (TPSP) in their classes. This resource provides differentiated instruction to GT students through a coherent package of standards, curriculum, and assessments. For more information about the Texas Performance Standards Project (TPSP), visit <http://www.texaspsp.org/>.

Furthermore, out-of-school enrichment opportunities are also provided for students including UIL activities.

4. Additional Information

Other Opportunities for Acceleration

Additional opportunities will be considered for students who are interested in completing their course work at an accelerated pace. Any opportunity for acceleration will require pre-approval by campus administration. Additionally, Wharton ISD does not assume any costs related to opportunities for acceleration not offered at Wharton High School.

Considerations include alignment of acceleration opportunity to state graduation requirements and state-approved Texas Essential Knowledge and Skills (TEKS) of specific courses. Students must also meet any necessary prerequisites for acceleration.

Honors Courses

Honors courses are designed to teach students strong study habits, critical thinking skills and learning strategies to prepare them for taking Advanced Placement (AP) courses and Dual Credit Courses. Honors course offerings are available in English, Math, Science and Social Studies and are taught by teachers who are provided professional development in gifted and talented (GT) and Honors strategies. The increased academic rigor of these courses is based on additional enrichment activities, reading and writing assignments. While Honors courses are rigorous college preparatory courses, they are not college-level courses.

Credit by Examination

In accordance with Board Policy EHDB (LEGAL), a student in any of grades 6–12 may be given credit for an academic subject in which he or she had some prior instruction if the student scores 70 percent or higher on a criterion-referenced test approved by the Board for the applicable course.

English as a Second Language (ESL) Program

Wharton High School provides English as a Second Language (ESL)/sheltered instructional strategies to students identified as Limited English Proficient (LEP). Additionally, the high school language arts curriculum provides ESL support for English Language Learners who are recent immigrants (0-3 years in U.S. schools) through an English for Speakers of Other Languages (ESOL) class. The purpose of the ESL program is to enable LEP students to be competent in the comprehension, speaking, reading and composition of the English language through the integrated use of second language methods.

Personal Graduation Plans (PGPs)

All students are required to complete a high school personal graduation plan (PGP) before the end of their 9th grade year which will include a four-year plan of study based on their selected endorsement. Texas Education Code 28.02121 states that the personal graduation plan “must include information concerning the benefits of choosing a high school personal graduation plan that includes the distinguished level of achievement under the foundation high school program and includes one or more endorsements to enable the student to achieve a class rank in the top 10 percent for students at the campus.” The personal graduation plan is a working document that counselors will use to monitor student completion of graduation requirements.

4. Additional Information

Section 504 Services

Section 504 of the Rehabilitation Act of 1973 is a Civil Rights Act, which prohibits discrimination against individuals with a disability in any program receiving Federal financial assistance. In order to fulfill its obligation under Section 504, Wharton ISD recognizes a responsibility to avoid discrimination in policies and practices regarding its students. No discrimination against any students solely due to his/her disability will knowingly be permitted in any of the programs and practices in the school system. The school district has specific responsibilities under Section 504 which include the responsibility to identify, evaluate and, if the student is determined to be eligible under Section 504, to afford access to necessary educational accommodations. For more information regarding Section 504, contact the campus counselor.

Special Education Services

Wharton ISD provides a continuum of special education services for students with disabilities. Special education services are provided according to the student's Individualized Education Plan (IEP) as per the recommendation of the Annual Review and Dismissal (ARD) Committee.

Testing Information

NOTE: All fees listed below are subject to change according to testing agency. For the most current testing fees, please refer to testing agency websites listed above, if applicable.

Advanced Placement (AP) Exams

- College Board AP Exams are given once in May for specific AP courses.
- AP Exam scores range from 1-5, with most colleges awarding credit hours for scores of 3 or better.
- Students should check with individual colleges and universities for their requirements.
- Students register during the spring semester in their AP classes.

American College Test (ACT)

- The ACT is typically taken by Juniors and Seniors.
- The ACT assesses general educational development and covers four skill areas: English, Mathematics, Reading, and Science. The Writing Test is optional, but many colleges and universities now require it for students submitting ACT scores.
- Scores range from 1-36 on each section; an overall composite score of 1-36 is given.
- The ACT is administered six times per year in the United States.
- The ACT is the most widely accepted college entrance exam in the United States.
- Students can register by mail or on-line at www.actstudent.org. Registration is required about four weeks in advance of each test date. Information is available in the counseling office.

Armed Services Vocational Aptitude Battery (ASVAB)

- Grades 10-12
- The ASVAB is the most widely used multiple-aptitude test battery in the world.
- All students are eligible to take this test, which is usually offered during the fall semester.
- Students planning a career in the military should take the ASVAB, but the test assesses academic ability and predicts success in a wide variety of occupations for all students.
- This exam is offered free of charge.
- Students should sign up with their counselors.

4. Additional Information

Testing Information Continued

PSAT/National Merit Scholarship Qualifying Test (NMSQT)

- Freshmen, sophomores, and juniors are eligible to take this test, which is offered in October. Only third-year students are eligible for National Merit Scholarship consideration.
- The PSAT/NMSQT covers Mathematics, Reading, and Writing and is great practice for the SAT.
- Students should sign up with their counselors in September.

Scholastic Aptitude Test (SAT)

- The SAT is one of two entrance exams required by most four-year colleges and universities.
- The SAT is typically taken by Juniors and Seniors.
- The SAT measures critical thinking skills and includes three sections: Evidenced-Based Reading and Writing, and Mathematics. Each section is scored on a scale of 200-800.
- The SAT is administered seven times per year in the United States.
- Students can register by mail or on-line at www.sat.collegeboard.org. Registration is required about four weeks in advance of each test date.

SAT Subject Tests

- The SAT Subject Tests are designed to measure knowledge and skills in a particular content area.
- Many colleges use the Subject Tests for admission to a particular degree program and for course placement.
- Subject Tests are offered in five general areas: English, History and Social Studies, Languages, Mathematics, and Science. Each section is scored on a scale of 200-800.
- The SAT subject tests are administered seven times per year in the U.S.
- Students can register by mail or on-line at www.sat.collegeboard.org. Registration is required about six weeks in advance of each test date.

Texas Success Initiative Assessment (TSI)

- The Texas Success Initiative assessment is designed to help determine if you are ready for college-level course work in the general areas of reading, writing and mathematics.
- The results of the assessment, in conjunction with your academic background, goals and interests, are used by academic advisers and counselors to place you in the appropriate courses that match your skill level.
- This assessment is required for some dual credit courses. Refer to the Dual Credit course listing on page 16 for specific score requirements.
- There is no charge to students, all costs incurred by Wharton ISD
- Students should sign up with their counselors in November

4. Additional Information

Graduation awards are the method by which we recognize excellence in our students. A student has the opportunity to earn up to four graduation cord awards and the National Honor Society (NHS) collar at graduation.

How do I become a member of NHS?

Juniors and Seniors who have a 4.5 Cumulative GPA or better are invited to apply for NHS membership in the fall of their Junior or Senior year.



Honor Cord

The Honor Cord is a gold cord that is awarded to any student who graduates with a 4.5 GPA or higher. The Honor Cord signifies a level of dedication to scholarship that is above and beyond that of the average student. Often these are the students who have attempted the most rigorous curriculum available.



Distinguished Achievement Cord

The Distinguished Level of Achievement Cord is a white cord that is awarded to any student who has met the Distinguished Level of Achievement on the Foundation High School plan. To meet this level of achievement, a student must earn an endorsement and graduate with Algebra 2 as one of their mathematics credits. Earning a distinguished cord improves a student's possibility to enter a four-year university immediately following graduation.



Service Cord

The Service Cord is a Red, White, & Blue cord. This is a cord that a student must earn intentionally. To earn the cord, a student must first declare their intention to earn it by completing and turning in the Intent to Serve form to the counselor's office. A student who earns an average of at least 40 hours of community service for every year they are enrolled at Wharton High School and has turned in the proper documentation will receive this cord.



Performance Acknowledgement Cord

The Performance Acknowledgement cord is a Green Cord. This cord is awarded to any student who earns a Performance Acknowledgement. A Performance Acknowledgment can be earned in any of the ways listed on pages 6.



Personal Graduation Plan Overview

Student Name _____	ID _____	Expected Graduation Date _____
Endorsement Selected: <input type="checkbox"/> STEM <input type="checkbox"/> Business and Industry <input type="checkbox"/> Arts and Humanities <input type="checkbox"/> Public Services		
<input type="checkbox"/> Multi-Disciplinary Studies Program of Study: _____		

Foundation Plan – 23 Credits English Language Arts – 4 Credits <input type="checkbox"/> English I <input type="checkbox"/> English II <input type="checkbox"/> English III <input type="checkbox"/> Advanced English Mathematics – 3 Credits <input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> Advanced Math Social Studies – 4 Credits <input type="checkbox"/> World History <input type="checkbox"/> World Geography <input type="checkbox"/> US History <input type="checkbox"/> Government <input type="checkbox"/> Economics Science – 3 Credits <input type="checkbox"/> Biology <input type="checkbox"/> IPC or Advanced Science <input type="checkbox"/> Additional Advanced Science Foreign Language or Substitute – 2 Credits <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 Fine Arts – 1 Credit <input type="checkbox"/> _____ Physical Education – 1 Credit <input type="checkbox"/> P.E. or Athletics Electives – 5 Credits <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <input type="checkbox"/> Elective 3 _____ <input type="checkbox"/> Elective 4 _____ <input type="checkbox"/> Elective 5 _____	Endorsements – 27 Credits STEM Elective 1 _____ Elective 2 _____ Elective 3 _____ Elective 4 _____ Business and Industry <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <input type="checkbox"/> Elective 3 _____ <input type="checkbox"/> Elective 4 _____ Arts and Humanities <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <input type="checkbox"/> Elective 3 _____ <input type="checkbox"/> Elective 4 _____ Public Services <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <input type="checkbox"/> Elective 3 _____ <input type="checkbox"/> Elective 4 _____ Multidisciplinary Studies <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <input type="checkbox"/> Elective 3 _____ <input type="checkbox"/> Elective 4 _____ Additional Requirements <input type="checkbox"/> 1 Math or 1 CTE Math <input type="checkbox"/> 1 Science or 1 CTE Science	Distinguished – Eligible for top 10% Automatic Admission <input type="checkbox"/> Algebra II (must be one of the student's math credits) STAAR EOC Checklist <input type="checkbox"/> English I <input type="checkbox"/> English II <input type="checkbox"/> Algebra I <input type="checkbox"/> US History <input type="checkbox"/> Biology Plans for the Future Student Goals _____ _____ Testing <input type="checkbox"/> PLAN <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ACT College Readiness - TSI <input type="checkbox"/> Math _____ <input type="checkbox"/> Reading _____ <input type="checkbox"/> Writing _____ College Preparatory Courses <input type="checkbox"/> Math _____ <input type="checkbox"/> Reading _____ <input type="checkbox"/> Writing _____ Post-Secondary Applications <input type="checkbox"/> HCC <input type="checkbox"/> Lone Star <input type="checkbox"/> Apply Texas Application <input type="checkbox"/> Common Application <input type="checkbox"/> Military Recruiter <input type="checkbox"/> Technical School Financial Aid <input type="checkbox"/> FAFSA/TAFSA <input type="checkbox"/> Scholarships
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