Irion County High School Course Catalog

Welcome to Irion County ISD

As you look over the information in this book, we encourage you to plan for your future. ICISD strives to provide students a rigorous, challenging academic career designed to prepare them for a global future. We provide many opportunities for students to challenge themselves, encourage their creativity, find their passion, and discover the path for their lives.

Graduation Plans

Students graduating from a Texas high school must complete graduation requirements outlined by the state and receive a passing score on five End of Course (EOC) Exams including Algebra 1, Biology, U.S History, English 1, and English 2. Each student will graduate under one of the graduation plans. All students automatically start under the FHSP with Endorsement. High school courses taken in middle school will earn credit toward graduation.

The state legislature amended the current admission eligibility requirements for students applying to any four-year public education institution. Only applicants who have completed the Foundation Plan with Endorsement or Distinguished Level of Achievement are eligible to apply for admission to a four-year Texas institution. This also applies to students eligible for automatic admission by graduating in the top ten percent of their class. In addition, this law further states that institutions of higher learning shall admit any applicant who is the child of a public servant killed or having sustained a fatal injury in the line of duty. Applicants need to meet the minimum requirements of the institution.

If a student wants to graduate under the Foundation High School plan without an endorsement, the student must attend a meeting with the counselor and a parent/guardian to discuss post-secondary impacts.

High School Graduation Requirements

Foundation High School Plan (FHSP) – 22 credits
(4) English
(3) Math - including Algebra and Geometry
(3) Science - including Biology and Chemistry, Physics or IPC
(3) Social Studies - including US History, Government and Economics and either World Geography or World History
(2) Languages Other Than English - Level 1 and II of the same language
(1) Fine Arts
(1) Physical Education – PE class or Marching Band, Drill Team, Cheerleading can substitute for PE
(5) Electives

Foundation High School Plan (FHSP) with Endorsement – 26 credits
(4) English
(4) Math - including Algebra and Geometry (
4) Science - including Biology and Chemistry or Physics
(3) Social Studies - including US History, Government and Economics and either World Geography or World History
(2) Languages Other Than English - Level 1 and II of the same language
(1) Fine Arts
(1) Physical Education – PE class or Marching Band, Drill Team, Cheerleading can substitute for PE
(7) Electives

Foundation High School Plan with Endorsement and Distinguished Level of Achievement – 26 credits
(4) English
(4) Math - including Algebra, Geometry and Algebra 2
(4) Science - including Biology and Chemistry or Physics
(3) Social Studies - including US History, Government and Economics and either World Geography or World History
(2) Languages Other Than English - Level 1 and II of the same language
(1) Fine Arts
(1) Physical Education – PE class or Marching Band, Drill Team, Cheerleading can substitute for PE
(7) Electives

* Foundation High School Plan (FHSP) is the minimum requirements to graduate from a Texas High School. Students may not consider this plan until both their 16th birthday and the completion of 10th grade.

** Some endorsements require more than the credits listed above. For more information on endorsements and performance acknowledgements see pages 3-4.

*** FHSP with Endorsement and Distinguished Level of Achievement is the default Graduation Plan for all students unless they choose something different after their sophomore year.

Endorsements Offered

Business and Industry
Agricultural, Food and Natural Resources, Architecture and Construction, Arts, Audio Visual and Comm, Business Management and Administration, English Electives, Hospitality and Tourism, Information Technology, Marketing and Finance

Arts and Humanities
World Languages, AP Social Studies, Fine Arts: Art, Music, Theater, Dance

STEM
Science, Technology, Engineering, Advanced Mathematics, Advanced Science

Multidisciplinary
4 Credits in the four core subjects; this is the default endorsement for all students unless they choose something different.

An endorsement is a pathway a student has chosen for their coursework in high school. All students are defaulted to the Multidisciplinary endorsement to begin their high school career. Students are free to visit with their counselor and choose a different endorsement if they prefer. We encourage Multidisciplinary because colleges and universities expect to see these courses on a student's transcript. The chart below outlines the course requirements for earning different endorsements.

STEM Endorsement Course Requirements
Science, Technology, Engineering and Math – requires Algebra 2, Chemistry and Physics; students must complete all other graduation requirements and either:
• A coherent sequence of four or more CTE credits, including at least one advanced CTE course and a course that is the third level or higher course in a sequence; or
• A coherent sequence of four credits in computer science selected from an approved list: or
• Three credits in math by completing Algebra 1 and two additional math credits for which Algebra 2 is a prerequisite: or
• Four credits in science by completing Chemistry, Physics and two additional science courses; or
• Algebra 2, Chemistry, Physics, and a coherent sequence of three additional credits from no more than two disciplines represented by the options listed above

Business and Industry Endorsement Course Requirements
Students must complete all graduation requirements plus either:
• A coherent sequence of courses for four or more CTE credits that includes at least two courses in the same career cluster, and an advanced CTE course. The courses may be selected from a list of career development or CTE innovative courses approved by the commissioner of education, but the final course in the sequence must be obtained from one of the career clusters relating to: Agriculture, Food, and Natural Resources; Architecture and Construction; Arts, Audio/Video Technology, and Communications; Business Management and Administration; Finance; Hospitality and Tourism; Information Technology; Manufacturing; Marketing; Transportation, Distribution, and Logistics; Career Prep I or II and Problems and Solutions if the course addresses a career from a field listed above; or
• Four English elective credits to include three levels in public speaking, debate, advanced broadcast journalism, advanced newspaper journalism, or advanced yearbook journalism: or
• Four technology applications credits selected from a list: or
• A coherent sequence of four credits from the above options.

Arts and Humanities Endorsement Course Requirements
Students must complete all graduation requirements plus either:
• Five social studies courses; or
• Four levels of the same language other than English; or
• Two levels of the same language other than English & two levels of a different language other than English; or
• Four levels of American Sign Language; or
• A coherent sequence of four credits, selecting courses from one or two categories or disciplines in fine arts or innovative courses approved by the commissioner: or
• Four English elective credits from an approved list.

Multidisciplinary Endorsement Course Requirements
Students must complete all graduation requirements plus either:
• Four advanced courses that prepare a student to successfully enter the workforce or postsecondary education without remediation from within one endorsement area or among multiple endorsement areas that are not in a coherent sequence: or
• Four credits in each of the four foundation subject areas to include Engl IV and Chemistry and/or Physics: or
• Four credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, math, science, social studies, economics, languages other than English, or fine arts.

Performance Acknowledgements
A student may earn a performance acknowledgment on their transcript for outstanding performance in one or more of the following ways:

College Credit
Complete at least 12 hours of college academic courses, including dual credit with at least a 3.0

AP Test
Earn a score of 3+ on any AP exam

Bilingualism
Demonstrate proficiency in 2 or more languages AND earn 3 credits in the same language, complete a level IV course with an 80 or earn a 3 or higher on an AP exam for LOTE

Standardized Test
Be recognized as National Merit, Commended, or Hispanic Scholar on the PSAT, earn a 1310 on SAT or earn a 28 on the ACT

Certificate/License
Earn a nationally recognized business or industry certification

Required State Assessments for Graduation (STAAR)
Students will take the State of Texas Assessments of Academic Readiness (STAAR) exam at the end of English 1, English 2, Algebra 1, Biology, and U.S. History. To graduate, a student must achieve at least "approaches grade level" on each exam. Retest opportunities are available in spring, summer, and fall for students who do not pass their exams. Tutorials are provided for each retest opportunity. Specific substitute assessments are allowed, details are available in the counseling office. SB149 allows for students who have not passed all their exams to qualify for an Individual Graduation Committee during their Senior year. To be considered for an Individual Graduation Committee, students must complete a series of requirements.

English Language Arts & Reading Courses

English I
Grade 9
Emphasizes skill development in reading, writing, literature, research skills, language, grammar, critical thinking, and cooperative learning. Major writing forms include description, exposition, persuasion, comparison/contrast, and narrative. In literature, the major genres covered include fiction (short stories and novels), nonfiction, poetry, and drama. STAAR EOC associated with this class

Honors English I
Prerequisite: Teacher recommendation & Grade 9.
Study of various genres of literature for the student with advanced reading, vocabulary, and thinking skills. Focus on the organizational strategy for writing the multi-paragraph essay— descriptive, expository, persuasive, comparison/contrast, and personal writing. Research and documentation skills are also taught. Reading is done outside of class for in-class analysis. THIS COURSE FOLLOWS A RIGOROUS PACE AND REQUIRES DAILY HOMEWORK. Summer work may be required. STAAR EOC associated with this class

English II
Prerequisite(s): Successful Completion of English 1
Emphasis on the skills of reading, writing, language usage, grammar, research, and intense focus and preparation for the STAAR EOC English II exam, specifically the persuasive essay. Reading selections will include novels, plays, short stories, poetry and nonfiction passages.

Honors English II
Prerequisite: Teacher recommendation; Successful Completion of English I
Emphasis on the skills of reading, writing, language usage, grammar, research, and intense focus and preparation for the STAAR EOC English II exam, specifically the persuasive essay. Reading selections will include novels, plays, short stories, poetry and nonfiction passages. Reading is done outside of class for in-class analysis. THIS COURSE FOLLOWS A RIGOROUS PACE AND REQUIRES DAILY HOMEWORK. Summer work may be required. Must have good work ethic, turn in work on time and be responsible and willing to read required reading assignments.

English III
Prerequisite(s): Successful completion of English 1 and 2 or English I, if not have had English II it must be taken concurrently &student must be in 3rd year of high school
Chronological survey of religious, philosophical, and literary movements in American literature from the 17th to the 20th century. A variety of poetry, essays, and short stories will be read. Skills are developed in close reading and literary analysis, writing (for various purposes narrative, expository, persuasive- and with clear focus/coherence, organization, idea development, voice, and conventions of the English language), speaking/listening (primarily through classroom discussions and presentations), critical thinking research techniques, and preparation for standardized tests (including PSAT, SAT, and ACT).

AP English Language & Composition/English III –
Prerequisite(s): Successful completion of English 1 and 2; teacher recommendation.
Chronological survey of religious, philosophical, and literary movements in American literature from the 17th to the 20th century. A variety of poetry, essays, and short stories will be read. Skills are developed in close reading and literary analysis, writing (for various purposes narrative, expository, persuasive- and with clear focus/coherence, organization, idea development, voice, and conventions of the English language), speaking/listening (primarily through classroom discussions and presentations), critical thinking research techniques, and preparation for standardized tests (including PSAT, SAT, and ACT). THIS COURSE

FOLLOWS A RIGOROUS PACE AND REQUIRES DAILY HOMEWORK. Summer work may be required. Must have good work ethic, turn in work on time and be responsible and willing to read required reading assignments.

English IV

Prerequisite(s): Successful completion of English 1, 2 and 3 or English II, if not have had English III it must be taken concurrently and be either in 4th year of High school or be on approved early graduation plan.
Chronological survey of political, religious, philosophical, and literary movements in British literature from the Anglo-Saxons to the 20th century. Exposure to major authors, works, and themes, focusing on literary analysis and poetry from all major periods of British literature. Emphasis on reading, writing, language usage, literary devices, and research skills. Preparation for the work beyond high school is a constant theme.

English IV Dual Credit

Prerequisite(s): Acceptable TSIA scores or the ability to exempt TSIA
During the first semester, this reading and writing intensive composition course focuses on the writing of researched argumentative, expository, and persuasive papers. Analytical reading, critical thinking, and library-based research skills are emphasized. Essays are required. The second semester further develops the analytical, thinking, and research skills underlying academic success through the study of literature. Upon successful completion of this year-long course, the students will earn six (6) hours of college English credit, as well as his or her high school senior English credit. Must have good work ethic, turn in work on time and be responsible. Must maintain a 70 or above in dual credit courses to continue.

Advanced Journalism: Yearbook I, II, III, IV

Students enrolled in Advanced Journalism: Yearbook I, II, III are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students will apply journalistic ethics and standards while producing the yearbook for the district. Students are selected for this class based upon the adviser recommendation and recommendations from other faculty and staff. Students may complete an application for this course.

College prep ELA course

Integration of critical reading and academic writing skills. Successful completion of this course if taught at the upper (exit) level fulfils TSI requirements for reading and/or writing associated with Howard College.

Debate

Students will learn the foundations for Public Forum Debate, Lincoln-Douglas Debate, Cross-Examination Debate, Student Congress, and Extemporaneous Speaking. Students will be expected to work independently on many projects. All students will be required to prepare and participate in out-of-town/overnight tournaments regularly as active members of the debate team.

Mathematics Courses

Algebra I

Prerequisite(s): 8th grade math or its equivalent
Covers the topics of variables and equations, linear functions and systems, inequalities, polynomials, factoring, and irrational and rational numbers. The use of graphing calculators is incorporated throughout to support the curriculum. STAAR EOC associated with this class.

Geometry

Prerequisite(s): Algebra I

Introduction and basics of plan, solid and coordinate geometry. Stresses geometric knowledge of physical space, deductive and inductive reasoning, and the integration of algebra and geometry.

Math Models with Applications
Prerequisite(s): Algebra I; It should be taken prior to Algebra II if culminating in Algebra II.
Students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems. As students do mathematics, they continually use problem-solving, language and communication, connections within and outside mathematics, and reasoning. Real world math class (personal finance, household math, etc...).

Algebra II
Prerequisite(s): Algebra I
Designed to prepare students for higher level math through study of equations, inequalities, and functions. Both algebraic and graphic methods are used in problem solving. Some key topics include linear equations and inequalities, matrices, quadratic functions, exponential and logarithmic functions, rational expressions and rational functions.

Pre-Calculus
Prerequisite: Algebra II
Topics in this course include the study of functions, including trigonometric functions and their applications. This course should be effective in preparing students for taking a basic College Algebra course.

College Algebra Dual Credit
Prerequisite(s): Acceptable TSIA scores or the ability to exempt TSIA; senior level course.
Students may take dual credit College Algebra for a 4th math credit. A course designed to meet the general education mathematics requirement for most BA or BS degree. Topics studied include data analysis, modeling, complex numbers, special equations and inequalities, functions, polynomial and rational functions, exponential and logarithmic functions, matrices, and determinants

AP Calculus
Prerequisite(s): Pre-Cal; teacher recommendation
This class is designed to develop mathematical knowledge conceptually, guiding students to connect topics and representations through the course and apply strategies and techniques to accurately solve diverse types of problems. THIS COURSE FOLLOWS A RIGOROUS PACE AND REQUIRES DAILY HOMEWORK. Students are expected to take the AP Calculus AB exam in May.

Math Applications in AFNR – Recommended grades 11 & 12
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.

College prep course
A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. This course is for non-STEM majors. Includes a one-hour weekly independent lab. A grade of "C" or better must be achieved to advance to college-level mathematics.

Science

Biology
The study of cell function, systematic approach to organisms, principles of heredity, taxonomy, ecological principles, and an introduction to botany. Biological principles are reinforced by strong lab experience. A STAAR EOC is associated with this course, and it will contain intense focus and preparation for the STAAR EOC exam.

IPC – Integrated Physics and Chemistry
An introductory chemistry and physics course designed to spark interest while building a firm foundation for advanced science courses. Topics include properties of matter, changes in matter, energy transformations, laws of motion, definition and application of forces. Students learn to read and apply the Periodic Table while gaining insight into basic chemistry and physics.

Chemistry
Prerequisite(s): Biology
A laboratory-oriented course which emphasizes theoretical foundations of chemistry and development of skills in manipulation, acquisition, classification, and communication of data.

Physics
Prerequisite(s): Biology and Algebra II or current enrollment - this is an algebra intensive course and even includes some trigonometry
A laboratory- oriented course emphasizes theoretical concepts of physics and development of skills in manipulation, acquisition, classification, and communication of data, pertaining to motion, heat, electricity, magnetism, sound, light, and nuclear energy.

AP Biology
Prerequisite(s): Biology & Chemistry
This course is designed to coordinate knowledge and skills for students to establish lines of evidence and use them to develop and refine testable explanations and predictions of natural phenomena. Content, inquiry and reasoning are equally important. THIS COURSE FOLLOWS A RIGOROUS PACE AND REQUIRES DAILY HOMEWORK. Students are expected to take the AP Biology exam in May.

Anatomy & Physiology
Prerequisite(s): Biology & Chemistry
This course explores the structures and inner workings of the human body by focusing on anatomical and medical terminology. This course will be a good foundation for students wanting to expand their knowledge of the human body, its levels of organization, and how these levels are interrelated. It will shadow the rigor and expectations of a college level anatomy and physiology course as closely as possible; there will be large amounts of both identification of parts (memorization) and understanding the functions of these parts. The material used in this class will be written and presented at college level understanding and pace, including the dissection of organisms and organs throughout the units either virtually or in our laboratory, in hopes to facilitate a smooth transition for students pursuing a postsecondary education relating to medical fields, sports training/related occupations, or other Bachelor of Science fields. It is recommended that students have a good Biology foundation and basic Chemistry knowledge and have an interest in pursuing a postsecondary education which would include A & P in your degree plan.

Forensic Science
Prerequisite(s): Student must be at least in their 3rd year of high school.

This course will introduce various methodologies and applications used in the forensic context. Topics discussed include organic and inorganic chemical analyses of physical evidence, principles of serology and DNA analysis, ballistics, arson, fingerprint analysis, drug analysis, and document examination.

Advanced Animal Science

Prerequisite(s): Student must be at least in their 3rd year of high school.
To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

Earth & Space Science

The student will study astronomy, geology, meteorology and oceanography. This course if offered through an online format and is recommended for grades 10-12.

Social Studies

World Geography

Provides exploration of our world through investigation of physical and human geography. Students use geographic concepts to study specific nations and regions with an emphasis on understanding interactions between humans and their environment.

World History

Covers history and development of a variety of world cultures-past and present. Provides a basis for comparison of various ways of life and cultural patterns and an understanding of the way these patterns occurred over time.

U.S. History

Incorporates study of significant people, issues, and events though an investigation of authentic documents, art, and music. Course will briefly review Revolutionary and Civil War eras but will focus on Reconstruction to the present. STAAR EOC associated with this class.

U.S. History Dual Credit

Prerequisite(s): Acceptable TSIA scores or the ability to exempt TSIA; counselor approval
HIST 1301: Survey beginning with the European background for the discovery of America and continuing to the close of Reconstruction in 1877. Social, economic, cultural, military, political, and diplomatic development are emphasized. The diversity of the American culture is stressed and the wide varieties of contributions from all Americans are included. HIST 1302: Continuation of HIST 1301, covering the period form the close of Reconstitution to the present, with emphasis upon the United States in the contemporary world. STAAR EOC associated with this class.

US Government- 1 Semester

Prerequisite(s): U.S. History and World Geography or World History
Examines political heritage, comparative political systems, the Constitution, civil liberties and civil rights, the three branches of government, Texas and local government, law and criminal procedures, political parties, campaigns, and the responsibilities of citizenship.

U.S. Government Dual Credit-1 Semester

Prerequisite(s): Acceptable TSIA scores or the ability to exempt TSIA; Senior standing & teacher approval

A study of the organization, functions, and administration of the several branches and agencies of the national government, including a study of the federal constitution. The primary factors considered relate to the three branches of government – judicial, executive, legislative: historical documents. Constitution and Declaration of Independence: and events that shaped our nation and current events. Emphasis will be placed on the interaction of these subsystems. Upon successful completion of this semester long course, the student will earn three (3) hours of college Government credit, as well as his or her high school senior Government credit.

Economics- 1 Semester

Prerequisite(s): U.S. History and World Geography or World History
Provides general understanding of US Economic activities, basic differences between capitalism, socialism, and communism, the influence by U.S. ideals of democratic government, laws, customs, and institutions on free enterprise, and familiarization with basic economic terms.

Texas Government Dual Credit-1 Semester

Prerequisite(s): Acceptable TSIA scores or the ability to exempt TSIA; Senior standing & teacher approval; U.S. History and World Geography or World History
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.

Psychology-1 Semester

Grades 1-12; this course is offered virtually through an online provider.
Psychology is the study of behavior and mental processes. You will explore various reasons for human, and sometimes, animal behavior. Psychology is a relatively new field of study, since it was founded in 1879. This course seeks to explain how biology, society and culture, and psychological processes influence behaviors and thoughts. We will explore psychological principles, psychology as a science, individual development, individual identity, the influence of individual experience, mental health and treatment, and social psychology.

Sociology-1 Semester

Grades 1-12; this course is offered virtually through an online provider.
Students who are interested in fields of study such as law, education, business, protective services, research, social work, and many others would be interested in Sociology. Course emphasis is centered on basic concepts, methods used by sociologists, and the study of human actions and relationships. Sociology helps students gain a better understanding for people and behavior in the world around them by exploring such topics as the impact of upbringing on later life, the cultural norms of social behavior and poverty, and definitions of family.

Psychology: General Psychology Dual Credit

Prerequisite(s): Acceptable TSIA scores or the ability to exempt TSIA
General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.
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Athletics/ Physical Education

Physical Education

This course helps students maintain a physically healthy body through exercise of the large muscles. Organization of team sports and physical exercise shall be used to meet this objective. Educational values derived shall be discipline, mental health, cleanliness, and social acceptance. Suiting out and participation is essential in the course.

Athletics I, II, III, IV

Must abide by and meet the standards of the Student Athletic Handbook

Cross Country, Basketball, Golf, Tennis, Track, Powerlifting, and Football players must be enrolled in the athletic period, unless there is an academic conflict approved by the Athletic Director.

Health

This class emphasizes the decision-making process in dealing with the changes, choices, and challenges involved in becoming a totally healthy, mature young adult. Topics include growth and development, nutrition, fitness, mental health, emotional health, drug misuse, environmental health, communicable diseases, non-communicable diseases, the life cycle, family life, emergency first aid, and cardiopulmonary resuscitation.

Speech

Communication Applications

Prerequisite(s): 10th grade or above

This class is a practical course designed to offer the novice speaker opportunities to organize and prepare public speaking assignments. The course will also offer a "laboratory setting" where the beginning speaker can stand in front of a live audience and present his/her practiced performance. In addition to public speaking, further performance opportunities may be included in the area of public oral reading. Students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles, and the effectiveness of language, gestures, and organization techniques.

Communication Applications- Dual Credit

Grades 11 & 12.

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

Fine Arts

Dual Credit ART 1301- Art Appreciation

Prerequisite(s): Acceptable TSIA scores or the ability to exempt TSIA

Art Appreciation. Must meet dual credit requirements and have an 85 or better in ELA classes.

Marching Band I, II, III & IV

Prerequisite: Director approval required

An organization designed to teach teamwork, self-discipline, and develop higher level thinking skills necessary to express oneself through music. This course will meet every day for the entire school year. In the fall the organization will perform as the Marching Band and will perform at all varsity football games as well as various marching competitions and parades. After the conclusion of the marching season the band will switch modes for concert season. Opportunities for solo performances will come from Region Band tryouts and Solo and Ensemble competition. Must be able to attend all High School Hornet football games and scheduled evening practices during marching season.

Theatre Arts I, II, III, & IV

Theater Arts I is offered to learners who are new to high school theatre and who want to learn basic theatrical skills. This is a survey course with an emphasis on acting and theatre heritage. Theater Arts learners will study the cultural contribution of theater, its structure, the play, and its performance. – Must be willing to and want to perform and participate in out of school practices and performances.

Digital Art & Animation
This course is designed to provide an in-depth look at digital composition, color, imaging, editing, and animation in the production of special projects. It incorporates the use of all software and equipment introduced in Business Image Management and Multimedia/Digital and Interactive Media. Tech Apps course counts as Fine Art requirement for graduation.

Languages Other Than English

Spanish I
Students develop the ability to perform the tasks of the novice language learner. The novice language learner, when dealing with familiar topics, should understand short utterances when listening and respond orally with learned material; produce learned words, phrases, and sentences when speaking and writing; detect main ideas in familiar material when listening and reading; make lists, copy accurately, and write from dictation; recognize the importance in communication to know about the culture; and recognize the importance of acquiring accuracy of expression by knowing the components of language, including grammar. Students of classical languages use the skills of listening, speaking, and writing to reinforce the skill of reading.

Spanish II
Prerequisite: Spanish I
Spanish 2 will equip students with the skills they need to provide and obtain information, express feelings and emotions. Students will understand and interpret written and spoken language on a variety of topics. Students will learn about practices and perspectives of Hispanic cultures. Students will reinforce their knowledge of other disciplines through the foreign language. Students will be able to become life-long learners by using the language for personal enjoyment and enrichment.

Career & Technical Education

Principles of Agriculture Food and Natural Resources
This course is a prerequisite for all courses below unless in grade 10 or above and can be taken at the same time as another course to allow a student to catch up on the pathway. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

Agricultural Mechanics and Metal Technologies
To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and technical knowledge related to power, structural, and technical agricultural systems and the industry. Additionally, students will learn of 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.

Agricultural Facilities Design and Fabrication
To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to agricultural power, structural, and technical systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings.

This course is designed to develop an understanding of agricultural power systems, metal fabrication techniques, agricultural structures, electrical controls, and land and water management systems.

Agriculture Power Systems

To be prepared for careers in agricultural power, structural, and technical systems, students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

Livestock Production

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Wildlife, Fisheries, and Ecology Management

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills in a variety of settings. 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.

Advanced Animal Science

Recommended grade 11 or 12

This course is designed for students preparing for careers in the field of animal science. Emphasis will be placed on the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. Counts as advanced science for graduation requirements.

Construction Management

Students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design techniques and tools related to the management of architectural and engineering projects

Welding 1

Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Business Information Management I

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Graphic Design and Illustration
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.

Professional Communications
Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative with a strong background in technology, academics and communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak and listen. The students will also learn how to apply software applications, manipulate computer graphics, and conduct Internet research. Fulfills speech requirement.

Principles of Business Marketing and Finance
Students gain foundational knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance

Web Technologies
Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking skills and apply them to the information technology environment.

Web Design Dual Credit
Instruction in web design and related graphic design including mark-up languages, and browser issues. IMED 1316. 3 semester hours through Howard College. Grade 10 and above.

Interactive Digital Media 1 Dual Credit
Exploration of the use of graphics and sound to create interactive digital media applications and/or animations using industry standard authoring software. IMED 1345. 3 semester hours through Howard College. Grade 10 and above.

Principles of Information Technology
Principle of Information Technology is a one-credit course emphasizing the knowledge and skills associated with the basic of computer education. Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

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

Math Applications in AFNR

Invaluable in any area of agriculture-from livestock and dairy production to horticulture and agronomy. The course introduces fundamental mathematics concepts such as arithmetic, algebra, log and exponentials, measurements and units, probability, linear equations, and non-linear functions. Students will apply methods for solving problems in the real-world using math and logic skills. Math skills needed for Agriculture industry standards in crop production, livestock production, horticulture, agricultural mechanics, and agribusiness will be the focus of this course. Grades 10-12.

Animation

In this course, students will gain understanding and practice the fundamentals of 3-dimensional (3-D) graphic design and digital animation using Maya software. Animation prepares students for a variety of college and career fields including digital animation, video game design, 3-D digital art, and special effects design. Grades 10-12.

Range Ecology and Management

Instruction will include the study and development of technical skills in renewable natural resources, range plants, ecosystems, water cycles, range conditions, carrying capacities, livestock management, wildlife management, and research. Information about safe working practices, record keeping, career exploration, and leadership will be included. Grades 10-12.

Forestry and Woodland Ecology

Students will learn about current management practices for forestry and woodlands. Students will obtain knowledge on the following topics: history of forestry, careers in forestry, tree anatomy, tree physiology, soils, tree identification, safety, equipment, measurement, harvesting, and ethics. Grades 10-12.

Energy and Natural Resource Technology

This course is designed to explore the interdependency of the public and natural resource systems related to energy production. Renewable, sustainable and environmentally friendly practices will be explored. Grades 10-12.

Horticultural Science

This course is designed to develop an understanding of common horticultural practices that relate to vegetable, fruit, and nut production, as well as the propagation techniques used in ornamental plant production. Grades 10-12.

Local Credits

All Accelerated Instruction Courses – required for students that did not meet satisfactory standard on previous year STAAR
Office/Library Aides

*All Classes are not offered every academic year, based on student need.

**ICISD reserves the right to cancel any class due to low enrollment or lack of qualified teacher.

***Schedule changes are allowed the first week of each semester.