



CHRISTIAN ACADEMY OF INDIANA

2026-2027 High School Course Description Catalog

How to Register

Current CAI students will register for their classes online through FACTS. You will access class registration through the parent portal of FACTS. During the registration dates, you may go online and make changes to your requests. After these dates, changes can be made only by contacting Mr. Wilson, Mrs. Patrick or Mrs. Riley.

New students to CAI must register by meeting with a counselor or principal.

Scheduling Courses

Plan Ahead

1. **READ** the course description **BEFORE** selecting the course to be sure that it fits your needs and interests.
2. **CONSULT** with teachers in specific subject areas for more detailed information, including recommendations for placement in honors courses.
3. **BALANCE** your course selections. Avoid crowding all of your academic courses into your Sophomore and Junior years. Allow yourself the freedom to take elective subjects each year. They are a valuable part of your total education.
4. **REMEMBER** to make certain you have satisfied the prerequisites for courses you wish to take.
5. **SELECT** alternate courses in case it is impossible to get your first choice. Actual course offerings are dependent on sufficient class enrollment.
6. **BE SURE** to take courses which will give you the best possible preparation for your future plans. Take advantage of the offerings available to you.

Know the Requirements

1. Know what the graduation requirements are before you start planning.
2. If you have questions about credits for graduation, college or career entrance, see Mr. Wilson or Mrs. Patrick.

Adding/Dropping

High school students will be permitted to withdraw from classes and add additional classes during the first two weeks of a semester with permission. If a student is given permission to withdraw from a class after the second week of a semester, a “WP” or “WF” (withdraw passing or withdraw failing) will be recorded on their transcript accordingly. Withdrawals after the third week of the semester may result in a failing grade. This grade does affect the student’s GPA.

Requests for schedule changes should be directed to Mr. Wilson, Mrs. Patrick or Mrs. Riley

DIPLOMA REQUIREMENTS

All students are required to meet all of the following diploma requirements for graduation:

1. Minimum of 42 credits or 47 credits for the academic honors diploma
2. Employability skills demonstrated through the following:
 - Project-based Experience · Service-based Experience · Work-based Experience
3. Post-Secondary Ready Competencies:
 - Honors Diploma
 - SAT (reading/writing=480, math=530)
 - ACT (English =18, Reading=22, Math=22, Science =23 (2 out of 4 needed with at least one in English/Reading and one in Math/ Science))
 - ASVAB (min. 31)
 - AP/Dual Credit/CLEP (C average or higher in 3 courses, 1 of 3 courses must be I core content area or all three must be part of the CTE pathway)
 - CTE Concentrator—C average or higher in 2 advanced HS courses in a CTE approved pathway
 - Waiver (discretion of Principal)

Class of 2027 & 2028

Core 40 Diploma - 42 credits

Bible 1 credit/sem. attending

Language Arts 8

Mathematics 6

2 credits: Algebra I

2 credits: Geometry

2 credits: Algebra II

*Students must take a math or quantitative reasoning course each year in high school.

Science 6

2 credits: Biology I

2 credits: Chemistry I, Physics or Integrated Chem./Phys.

2 credits: any Core 40 science**

Social Studies 6

2 credits: US History

1 credit: U.S. Government

1 credit: Economics

2 credits: World History/ Civilization or Geography/History of the World

Directed Electives 5

World Languages

Fine Arts

Career/Technical

Health & Wellness 1

PE 2

Effective with the class of 2028, 1 credit of Personal Financial Responsibility will be required.

*Quantitative reasoning courses include Quantitative Reasoning, Chemistry I, AP Chemistry, Physics, Integrated Chemistry/Physics, Personal Financial Responsibility, AP Computer Science A, AP Computer Science Principles, Computer Science I, and Economics .

**The following may also be used to satisfy the third science requirement: Computer Science I, Principles of Computing, AP Computer Science A, and AP Computer Science Principles.

Core 40 with Academic Honors Diploma - 47 credits (2027 & 2028)

- Complete all requirements for Core 40
- Earn 2 additional Core 40 math credits
- Earn 6-8 Core 40 world language credits
- Earn 2 Core 40 fine arts credits
- Must earn a grade of "C" or above in courses that will count toward diploma
- Have a cumulative GPA of 3.0 or above
- Complete one of the following: A. Earn 4 credits in 2 or more AP courses and take the corresponding AP exams B. Earn 6 transcribed college credits in dual credit courses from the approved dual credit course list.
 - C. Earn a minimum of 3 college credits from the approved dual credit course list and 2 credits in AP courses and take corresponding exams.
 - D. Score 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.
 - E. Score a 26 composite ACT and complete written section

Class of 2029 & 2030

42 Credits

Bible 1 credit/sem. attending

English 8

Math 7

2 credits: Algebra I

1 credit: Personal Finance

4 additional Math credits

Science, Technology and Engineering 7

2 credits: Biology I

1 credit: Computer Science

2 additional Science credits

2 STEM-focused credits

Social Studies 5

2 credits: US History

1 credit: US Government

2 credits: World History

PE/Health 2

1 credit: Physical Education

1 credit: Health and Wellness

Personalized Electives 12

Preparing for College and Career 1

Students will have the option to earn

Readiness-Seals in the areas of Enrollment,

Employment or Enlistment & Service.

COLLEGE-BOUND STUDENT ATHLETES

The NCAA has approved courses for use in establishing the initial eligibility certification status of student athletes. Students hoping to play sports in college for a Division I or Division II school must complete 16 core classes in high school. Division III does not use the Eligibility Center.

♦ Denotes core classes at CAI approved by the Eligibility Center.

HONORS, DUAL CREDIT OR AP COURSES

English

Honors English I

Honors English II

Honors English III

Honors English IV

AP Language/Composition

AP Literature/Composition

Social Studies

Honors Economics

Honors U.S. History

Honors World History & Civilization AP U.S.

Government & Politics AP U.S. History

Spanish

Honors Spanish III

Honors Spanish IV

Science

Honors Biology

Honors Chemistry I

AP Chemistry

Math

Honors Algebra I

Honors Geometry

Honors Algebra II

AP Pre-Calculus

AP Calculus

Business & Computer

AP Computer Science Principles

Fine Arts

Honors Choral Chamber Singers Honors

Advanced Concert Band Music History &

Appreciation AP Drawing

AP 2D Art and Design

AP 3D Art and Design

***ENROLLMENT IN HONORS COURSES IS CONTINGENT UPON TEACHER RECOMMENDATION.**

***ENROLLMENT IN AP COURSES IS CONTINGENT UPON GRADES IN PREVIOUS COURSES (SEE COURSE GUIDE FOR DETAILS).**

All students enrolled in AP courses are required to take the corresponding AP Exam in the spring. The exam cost is approximately \$110. The fee will be charged through FACTS. College credit may be earned by scoring 3 or higher on the Advanced Placement test (Dependent on specific college admission requirements.)

BIBLE DEPARTMENT

Foundations of Faith

One semester course; 1 credit/semester

Grade Level: 9

This class will explore what constitutes a worldview and a healthy faith that shows itself in the mind, emotions and actions. Students will examine the Christ-centered theistic worldview in comparison to other major worldviews and gain an understanding of what it means to apply God's invitation to love Him with all of their minds, hearts and hands. Students will be challenged to apply the definitions of faith and truth in their examination of the Bible's claim to be God's collected book of inerrant revelation. By the end of the course, students will be able to articulate what constitutes a worldview as well as evaluate the logical and biblical consistency of a given worldview.

The Gospel Story

One semester course; 1 credit

Grade Level: 9

This class will cover a broad overview of the biblical narrative from Genesis to Revelation. The course will seek to gain an understanding of how every story arc in the whole of the biblical narrative points to Jesus as Prophet, Priest, King and the fulfillment of the Old Testament using basic hermeneutics. By the end of the course, students will be able to identify biblical themes in a given biblical passage and describe how each theme points to Jesus Christ as "the Way, the Truth and the Life."

The Life of Christ

One Semester course; 1 credit/semester

Grade Level 10

This class will focus on inviting students to a maturing faith in the Gospel of Jesus Christ. Students will examine and apply the concept of Christ's role as our prophet, priest, and king. Students will gain an understanding of Jesus as the fulfillment of prophecy and will not only understand His place in history, but also His relevance to our lives today. Ultimately, the hope is that Jesus; life and gospel message will transform students' lives as they gain a greater understanding of who Christ is in their individual lives, and personalize their response to Him.

The Church

One semester course; 1 credit

Grade Level 10

This class will focus on inviting students to a maturing faith in how the Church is the instrument in advancing the Gospel of Jesus Christ throughout the world. Students will gain an understanding of how Christians, empowered by the Holy Spirit, have continued the mission of Christ from the early church into the contemporary church through a study of Acts of the Apostles, the Epistles, and church history. Students will be challenged to understand the need to be integral members of Christ's Church today.

Spiritual Formations

One semester course; 1 credit/semester

Grade Level: 11-12

This class will focus on inviting students to a maturing faith through exploring the traditional Christian disciplines and God's mission throughout the world. Students will examine what God is doing in our world with an emphasis on God's heart and mission as recorded throughout Scripture. Ultimately, the student will be challenged to apply the gospel in their own life through the spiritual disciplines and participate in proclaiming the gospel throughout the world.

Worldviews

One semester course; 1 credit

Grade Level: 11-12

This class will focus on inviting students to a maturing faith by providing a clear and engaging account of world religions by studying their origins, historical development, leadership and basic doctrines as compared to the tenets of Christianity. Students will be challenged to effectively engage in dialogues with world religions, reflecting the gospel.

Apologetics

One semester course; 1 credit/semester

Grade Level: 11-12

This class invites students to a maturing faith by employing wisdom in forming and defending a Christian worldview based on how the gospel of Jesus Christ responds to life's ultimate questions. Students will be challenged to respond to logical obstacles to faith with a reasonable and respectful defense.

*This course must be completed for graduation.

Contemporary Issues

One semester course; 1 credit

Grade Level: 11-12

This class will focus on inviting students to a maturing faith by examining and discussing major social and cultural issues in the light of the gospel. Students will examine the following areas: marriage and sexuality, abortion, self-harm, pornography, eating disorders, drugs and alcohol, and popular culture. Students will be challenged to live out the gospel applying a Christian worldview on critical issues in contemporary culture.

ENGLISH DEPARTMENT

◆English I

Full year course; 1 credit/semester

Students in grade 9 build on the foundational elements of the language arts by developing their skills in reading, writing, and oral communication. Students read short stories, poetry, novels, dramatic plays, speeches, scholarly journals, and other written materials and write responses to the selections. Students gain an appreciation for the similarities and differences of various genres and create original works to demonstrate their understanding.

◆Honors English I

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in previous English class or Teacher Recommendation

Students will study the same content areas as regular English I with additional requirements in literature and composition.

◆English II

1 Semester Course; 1 credit

Students in grade 10 continue to build on the foundational elements of the language arts by deepening their skills in reading, writing, and oral communication. Students read short stories, poetry, novels, dramatic plays, speeches, scholarly journals, and other written materials and write responses to the selections. Students analyze selections within each genre, specifically looking at authorial intent and the communication of themes. Students also create original works to demonstrate a deeper understanding of the genres' intricacies.

◆Honors English II

1 Semester course; 1 credit

Prerequisite: Grade of B or higher in English I or Teacher Recommendation

Students will study the same content areas as regular English II but with an accelerated approach and with greater depth and intensity. Students will also have additional requirements in literature and composition, including literary analysis writings and other student based projects and activities not required in English II.

◆English III

Full year course; 1 credit/semester

English/Language Arts in grade 11 is a study of language, American literature, composition, and oral communication with a focus on exploring characterization across universal themes and a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for grade 11 in classic and contemporary literature, reflective compositions, historical investigation reports, resumes, and technical documents incorporating visual information in the form of pictures, graphs, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

◆English IV

Full year course; 1 credit/semester

English/Language Arts for grade 12 is a study of language, British literature, composition, and oral communication focusing on an exploration of point of view or perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance for grade 12 in classic and contemporary literature balanced with nonfiction. Students write fictional narratives, short stories, responses to literature, reflective compositions, historical investigation reports, resumes and technical documents incorporating visual information in the form of pictures, graphs, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

◆English Language and Composition Advanced Placement

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in Honors English II or Teacher Recommendation

Recommended Grade Level: 11

Dual Credit— 6 credit hours

This course is based on content established by the College Board. AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Students have the opportunity to earn college credit through the required end of course exam. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Knowledge Assessment). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

◆English Literature and Composition

Advanced Placement

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in Honors English II or Teacher Recommendation

Recommended Grade Level: 12

Dual credit—3 credit hours

This course is based on content established by the College Board. AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Knowledge Assessment). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

Speech

1 Semester Course; 1 credit

Grade Level 10 - Meant to take alongside English II or Honors English II

Speech, a course based on the Indiana Academic Standards for English/Language Arts, is the study and

application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary appropriate to the audience and purpose. Students deliver different types of oral and multimedia presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same Standard English conventions for oral speech that they use in their writing.

Student Media

Full year course; 1 credit/semester

Grade Level: 10-12 (This course is offered in 3 levels) In this course, students will demonstrate their ability to do journalistic writing and design for high school media, including the school yearbook. This course allows students the opportunity to incorporate journalistic elements into the planning, design, and production of these media. Examples of amateur and professional photographs, layouts, and stories are studied and critiqued. Students follow the ethical principles and legal boundaries that guide scholastic journalism. Students express themselves publicly with meaning and clarity for the purpose of informing, entertaining, or persuading. Students work on a high school media staff so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

FOREIGN LANGUAGE DEPARTMENT

◆Spanish I

Full year course; 1 credit/semester

Spanish I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish-speaking cultures. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will be introduced to practices, products and perspectives of Spanish-speaking cultures; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes the application of understanding Spanish language and culture outside of the classroom and the ability to share the Gospel in Spanish.

◆Spanish II

Full year course; 1 credit/semester

Prerequisite: Grade of C or higher in Spanish I

This course is designed to include a comprehensive review of all first year grammar. Students continue learning new verb structures and key vocabulary in addition to performing with "question and response" interactions. By the end of the second year of Spanish study, students are able to read, write and speak with greater ease, demonstrating increased mastery. Most importantly, students are equipped with enough proficiency to meet someone's needs in Spanish.

◆Honors Spanish III

Full year course; 1 credit/semester

Prerequisite: Grade of C or higher in Spanish II Dual Credit - 8 credit hours

Students write synopses, compositions and speeches. Students read, comprehend and discuss written passages with increasing difficulty, including the Bible and various authentic texts. Culturally, students gain an understanding of the distinctions between cultures in Spanish-speaking countries, and in contrast to the culture of the United States. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Knowledge Assessment). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

◆Honors Spanish IV

Full Year Course, 1 credit/semester

Prerequisite: Grade of C or higher in Spanish Iii Dual Credit - 6 credit hours

Prerequisite: Honors Spanish III

Students will practice their previous years of Spanish Language Study through an accelerated application of reading and writing in the target language. This focus on Hispanic literature will give students an advanced insight to history, politics and economic influences in these countries. Each quarter will focus on a different application. Quarter 1 embraces a historical fiction novel. Quarter 2 covers conversation and writing in response to reading the novel. Quarter 3 students will use practical application of skills learned to teach Spanish in an elementary classroom. Quarter 4 is a complete review of all vocabulary and grammar in preparation for college placement exams. At the end of each quarter, students will be required to write a persuasive essay in Spanish, reflecting on daily discussions, readings and topics. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Knowledge Assessment). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

SOCIAL STUDIES DEPARTMENT

◆World History & Civilization

Full year course; 1 credit/semester

Recommended Grade Level: 9-12

This course emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Students examine the role God and Christians have played in shaping the world in which we live from cultural, spiritual and economic perspectives. Students compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. They examine examples of continuity and change, universality and particularity, unity and diversity, and the shaping of our world through Christian principles and values as well as the effects of other religions and beliefs among various people and culture groups from the past to the present. Students also practice skills and the process of historical thinking. There are continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history.

◆AP World History Modern

Full year course; 1 credit/semester

Prerequisite: Teacher Recommendation from 8th grade Social Studies or High School teacher.

Recommended Grade Level: 9-12

AP World History Modern students investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 AD to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. ***This course has the potential of earning dual credit through Colorado Christian University. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Accuplacer). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

United States History

Full year course; 1 credit/semester

Recommended Grade Level: 11-12

This course builds upon concepts developed in previous studies of U.S. History. Students are expected to identify and understand significant religious, political and social movements throughout the history of our nation. The

course gives major emphasis to the interaction of key events and people, as well as political, economic, social, military, and cultural influences in national developments from the late nineteenth century through the present from a Biblical perspective. Students develop historical thinking and research skills as they trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. This course provides integrated Biblical principles and perspectives to help understand and identify cultural themes and shifts in our nation over time.

◆AP United States History

Advanced Placement

Full year course; 1 credit/semester

Dual Credit - 6 credit hours

Prerequisite: Grade of B or higher in Honors World History, AP World History or AP European History or a Teacher Recommendation

Recommended Grade Level: 11-12

This course is based on the content established by the College Board. The course has a chronological frame from 1492 to the present and focuses on multiple causation and change in United States history over time. A variety of historical themes are examined in order to place the history of the United States into larger analytical contexts, including the role and influence of Christianity. Students are expected to analyze and interpret primary sources and develop awareness of multiple interpretations of historical issues in secondary perspectives. Students have the opportunity to earn college credit through the required end of course exam. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Accuplacer). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

◆United States Government

1 semester course; 1 credit

Grade Level: 12

U.S. Government provides a framework for understanding the nature and importance of responsible civic participation and for learning the rights and responsibilities of Christian citizens in a constitutional democracy. The course enables students to explore the historic origins and continued development of political philosophies into contemporary political and legal systems. Constitutional structure and the processes of the legislative, executive, and judicial branches of the national, state, and local levels of the government are examined. Students draw conclusions about the impact and interrelationships of history, geography, and economics upon our system of government. They also demonstrate an understanding of the governmental structures of the United States and other political systems, as well as the relationship of the American government to world affairs. Students analyze the roles of individuals and groups in the political process by identifying and analyzing political issues. They also access data from primary and secondary resources and use current technology to access relevant source materials and as a tool for producing documents in support of learning projects. Students take, defend, and evaluate positions on current issues that impact political decision making.

◆United States Government & Politics

Advanced Placement

1 semester course; 1 credit

Dual Credit - 3 credit hours

Prerequisite: Grade of B or higher in Honors US History or AP US History or Teacher Recommendation

Grade Level: 12

This course is based on content established by the College Board. Topics include: (1) constitutional underpinnings of United States government, (2) political beliefs and behaviors, (3) political parties, interest groups, and mass media, (4) institutions of national government, (5) public policy, and (6) civil rights and civil liberties. The course gives students an analytical perspective on government and politics in the United States and includes both the

study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students are challenged to apply biblical principles as they evaluate current political situations. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Accuplacer). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

◆Economics

1 semester course; 1 credit

Grade Level: 12

Economics includes a study of the allocation of scarce resources and their alternative uses for satisfying human wants. This course examines basic models of decision making at various levels and in different areas including: (1) decisions made as a consumer, producer, saver, investor, and voter; (2) business decisions to maximize profits; and (3) public policy decisions in specific markets dealing with output and prices in the national economy. This course will focus on the biblical truths that due to sin there are unlimited wants and limited resources.

◆Honors Economics

1 semester course; 1 credit

Prerequisite: Grade of B or higher in Honors U.S. History or Teacher Recommendation

Grade Level: 12

This course will include material covered in the Economics course with specific focus given to application of concepts to real world economic scenarios.

◆Psychology

1 semester course; 1 credit

This course is only offered 1st semester. By requesting this course you will automatically be enrolled in Sociology 2nd semester. You may change this if you decide not to take Sociology.

Grade Level: 10-12

Psychology is the scientific study of mental processes and behavior. The course is divided into a variety of different content areas: developmental and cognitive psychology, personality, assessment, mental health and biological basis, all of which are explored using the scientific methods and Biblical principles. Other areas of study include aspects of emotional, social, and moral development, as well as dimensions of behavior dealing with topics such as conformity, obedience, perceptions, attitudes, and influence of the group on the individual. Through contrast and examination of these topic areas with the Bible, students gain a greater understanding of themselves and principles of God's Word.

◆Sociology

1 semester course; 1 credit

This course is only offered 2nd semester.

Grade Level: 10-12

Sociology allows students to study human social behavior from a Christian perspective. Such behaviors include recurring patterns in peoples' attitudes and actions and how these patterns vary across time, cultures, and in social settings and groups. Students describe the development of sociology as a social science and identify methods of research while incorporating Biblical viewpoints and a Christian worldview. Through research methods such as scientific inquiry, students examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social groups and institutions on group and individual behavior and the changing nature of society are examined.

Indiana Studies

1 semester course; 1 credit

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions. This course counts as an elective for all diplomas

Introduction to Ethics

One semester course; 1 credit

Grade level: 10-12

Dual Credit-3 credit hours

This course introduces the ethical domain as a field of philosophy by examining major concepts such as happiness, virtues and rules and applies them to practical moral problems. Students will learn how to identify and evaluate major ethical theories, examine contemporary and perennial moral problems in the light of these ethical theories, read, write and think critically about ethical issues, increase awareness of basic ethical terms and issues, and develop an understanding of a variety of ethical issues ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Knowledge Assessment). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

Introduction to Philosophy

One semester course; 1 credit

Grade level:10-12

Dual Credit - 3 credit hours

Introduces recurring ideas and thought systems represented in the literature and lives of great thinkers and examines philosophical principles such as foundations of morality, skepticism, the nature of knowledge, the nature of mind, free will and determinism, and the existence of God. Emphasizes the evaluation of arguments and analysis of concepts. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Knowledge Assessment). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

Current Problems

1 semester course; 1 credit

This course is only offered 1st semester.

Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of significant problems or issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have contemporary historical significance and will be studied from the viewpoint of the social science disciplines. Community service programs within the community may be included.

SCIENCE DEPARTMENT

◆Biology I

Full year course; 1 credit/semester

Grade Level: 9

This course is designed to provide the student with insight into the basic concepts, facts and theories of modern biology while fostering an appreciation for God's creation that is evident in the biological world. This course is based on the following core topics: cellular structure and function, matter cycles and energy transfer; interdependence; inheritance and variation in traits; evolution: population genetics, and ecology. Instruction focuses on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures.

◆Honors Biology I

Prerequisite: Grade of B or higher in 8th Grade Science or Teacher Recommendation

Grade Level: 9

This course will cover the required material for Biology I. Additionally, students will be encouraged to focus on higher learning skills through the integration and application of concepts and will be encouraged to strengthen their inquiry and critical thinking skills.

◆Biology II

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in Biology I or Honors Biology I or teacher recommendation Recommended

Grade Level: 10-12

This course is an advanced laboratory, field and literature investigations-based course. Students will examine in greater depth the structures, functions, and processes of living organisms. Students will analyze and describe the relationship of Earth's living organism to each other and to the environment in which they live. Students will refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences. Students will explore microbes, protists, fungi, plants, invertebrates, vertebrates and human biology.

◆Chemistry I

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in Algebra I or Teacher Recommendation

Recommended Grade Level: 10-12

In this laboratory-based course, students will be taught the basic principles of chemistry including scientific measurement, matter and energy, atomic structure and bonding, the Periodic Table, chemical names and formulas, stoichiometry, chemical reactions and equilibrium, and gas laws. Sufficient lab techniques will be taught for students to apply chemical concepts both qualitatively and quantitatively, and to incorporate new information into accumulated knowledge. Lab activities will include both procedural and guided inquiry work.

◆Honors Chemistry I

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in Algebra I or Teacher Recommendation

Recommended Grade Level: 10-12

This laboratory-based course is designed to prepare students for a second year of Chemistry. All of the material required for chemistry I will be taught with additional material on solutions-based chemistry, acid-base chemistry, and thermochemistry. Excellent problem-solving and math skills are needed to be successful in this course. A quantitative and qualitative approach to concepts demonstrated in the lab will be taken. Lab activities will include both procedural and guided inquiry work.

◆Chemistry

Advanced Placement

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in Honors Chemistry I/ Chemistry I , Pre or Co-requisite of Pre-Calculus strongly recommended or Teacher Recommendation Recommended

Grade Level: 11-12

A rigorous course that will expand upon the chemical concepts covered in Chemistry I. Topics will include atomic, molecular and ionic structure and properties, intermolecular forces and properties, chemical reactions, kinetics, thermodynamics, equilibrium, and acids and bases. Special attention will be given to the relationships between concepts and their applications. Laboratory experiments, including inquiry-based labs, will reinforce the concepts covered. Skills of data interpretation, error analysis and other test-taking strategies will also be taught.

Assessments will include AP exam type material.

◆Integrated Chemistry & Physics

Full year course; 1 credit/semester

Co-requisite: Algebra I

In this lab-based course, students explore fundamental chemistry and physics principles. Students enrolled in this course examine, through the process of scientific inquiry, the structure and properties of matter, chemical reactions, forces, motion, and the interactions between energy and matter. Working in a laboratory environment, students investigate the basics of chemistry and physics in solving real-world problems that may have personal or social consequences beyond the classroom.

◆Earth/Space Science

Full year course; 1 credit/semester

Earth/Space instructs students on the phenomena of the non-living aspects of the world that surround them. The four main areas of study are: geology, oceanography, meteorology, and astronomy. By the end of the course, students will have learned about the composition and history of the Earth and the forces that shape the Earth, including the formation of rocks and the rock cycle, a variety of weather patterns and their causes, the cycle of water, and the current scientific understanding of our solar system.

◆Anatomy and Physiology

Full year course; 1 credit/semester

Prerequisite: Grade of B or higher in Biology I recommended or Teacher recommendation

Recommended Grade Level: 11-12

This course will allow students to investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. It introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeletal, muscular, nervous, endocrine, cardiovascular, digestive, respiratory, urinary and reproductive systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy and Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields.

◆Astronomy

Full year course; 1 credit/semester

In this course, students explore the cycles seen in the sky and how it reveals the layout of the solar system. Students will classify planets and stars and investigate the cause and consequences of star explosions and black holes. Students will map out the physical structure of the universe and analyze the evidence for physical origins. By the end of the course, students should have an increased sense of how the physical universe operates and how small and unique our world is in comparison. *This course will be taught by online instruction during the school day.

◆Physics I

Full year course; 1 credit/semester

Prerequisite: Grade of B in Algebra I

In this course, students will apply and extend what they already know about the world to discover the simple principles and mathematical patterns that appear to govern the universe. Students will learn to explain how and why things move, using ideas first proposed by Isaac Newton (inertia, momentum, and mechanical energy). Students will uncover the secrets of sound and light, using the language of waves. Students will develop a framework for explaining the presence of electricity and how it can be used for technology. By the end of the course, students should have an elementary grasp on understanding the inner workings of much of nature, as well as the usefulness and limitations of science. *This course will be taught by online instruction during the school day.

◆Principles of Biomedical Sciences

Full year course; 1 credit/semester

Co-requisite: Biology I

Prerequisite: Grade of B or higher in previous science course.

This is an introductory course of the PLTW Biomedical Science program. As stewards of God's creation, students will explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

BUSINESS & COMPUTER DEPARTMENT

Personal Financial Responsibility

1 semester course; 1 credit

Grade Level: 9-12

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, saving and investing; understand banking, budgeting, record keeping and managing risk, insurance and credit card debt. Students will design personal and household budgets utilizing checking and savings accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

Principles of Business Management

Full year course; 1 credit/semester

Grade Level: 9-12

Principles of Business Management examines business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of business enterprises. This course will also emphasize the identification and practice of the appropriate use of technology to communicate and solve business problems and aid in decision making. Attention will be given to developing business communication, problem-solving, and decision-making skills using spread sheets, word processing, data management, and presentation software.

Marketing Fundamentals

Full year course; 1 credit/semester

Grade Level: 9-12

Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in the global economy. Course topics include the seven functions of marketing: promotion, channel management, pricing, product/service management, market planning, marketing information management, and professional selling skills.

Emphasis is marketing content but will involve use of oral and written communications, mathematical applications, problem solving, and critical thinking skills through the development of an integrated marketing plan and other projects.

Accounting Fundamentals

Full year course; 1 credit/semester

Grade Level: 9-12

Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

Principles of Computing

Full year course; 1 credit/semester

Grade Level: 9-11

Co-requisite: Algebra I

This course can be used to satisfy the third Science requirement

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Students will also have the opportunity to utilize basic programming skills to develop scripts designed to solve problems. Students will learn about algorithms, logic development and flowcharting

Principles of Digital Design

Full year course; 1 credit/semester

Grade Level: 9-12

Principles of Digital Design introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. Students will have the opportunity to apply the design theory through an understanding of basic photographic theory and technique. Topics will include image capture, processing, various output methods, and light.

Topics in Computer Science

Full year course; 1 credit/semester

Grade Level: 10-12

Prerequisite: Principles of Computing

Topics in Computer Science is designed for students to investigate emerging disciplines within the field of computer science. Students will use foundational knowledge from Principles of Computing to study the areas of data science, artificial intelligence, app/game development, and security. Students will utilize knowledge related to these areas and programming skills to develop solutions to authentic problems.

Computer Science Principles

Advanced Placement

Full year course; 1 credit/semester

Co-requisite: Algebra I

Grade Level: 9-12

This course can be used to satisfy the third Science requirement

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world.

Digital Design Graphics

Full year course; 1 credit/semester

Grade Level: 10-12

Prerequisite: Principles of Digital Design

Digital Design Graphics will help students to understand and create the most common types of computer graphics used in visual communications. Skills are developed through work with professional vector based and page layout software used in the industry. Additionally, students will be introduced to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners. Students will learn to communicate concepts and ideas through various imaging devices.

MATH DEPARTMENT

CAI uses TI-84+ graphing calculators.

◆Algebra I

Full year course; 1 credit/semester

A TI-84+ graphing calculator is used in this course. Algebra I is about putting real-life problems into mathematical equations and then solving them. Areas of study include (1) Number systems, Expressions, and Functions; (2) Linear Equations, Inequalities, and Functions; (3) Systems of Linear Equations and Inequalities; (4) Quadratic and Exponential Equations and Functions; and (5) Data Analysis & Statistics. It also provides for the development of skills and concepts that are necessary for students to succeed in future college preparatory mathematics classes.

◆Honors Algebra I

Full year course; 1 credit/semester

Prerequisite: 90% in Accelerated 7th Grade Math, Teacher Recommendation and test scores A TI-84+ graphing calculator is recommended for this course. Algebra I is about putting real-life problems into mathematical equations and then solving them. Areas of study include 1) Number systems, Expressions, and Functions; 2) Linear Equations, Inequalities, and Functions; 3) Systems of Linear Equations and Inequalities; 4) Quadratic and Exponential Equations and Functions; and 5) Data Analysis & Statistics. This course covers the material in Algebra I in greater depth that is necessary for students to succeed in higher level math classes such as Honors Algebra II, Pre-Calculus and AP Calculus.

◆Algebra II

Full year course; 1 credit/semester

Prerequisite: Algebra I

A TI-84+ graphing calculator is required for this course.

This course develops the students' thinking even further in areas studied in Algebra I such as problem solving and development of the concept of a function. Algebra II also provides for the development of skills and concepts that are necessary for students who desire to take advanced mathematics classes such as Pre-Calculus and Quantitative Reasoning. Areas of study include theorems and algorithms of algebra, relations, functions, equations and inequalities, irrational and complex numbers, algebraic fractions, polynomials and poly-functions.

◆Honors Algebra II

Full year course; 1 credit/semester

Prerequisite: A grade of 90% or higher in Honors Algebra I or Teacher Recommendation

A TI-84+ graphing calculator is required for this course.

This course develops the students' thinking even further in areas studied in Algebra I such as problem solving and development of the concept of a function. Honors Algebra II also provides for the development of skills and concepts that are necessary for students who desire to take advanced math classes such as Pre-Calculus, AP Pre-Calculus, and AP Calculus. Areas of study include theorems and algorithms of algebra, relations, functions, equations and inequalities, irrational and complex numbers, algebraic fractions, polynomials and poly-functions, exponential and logarithmic functions.

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◆Geometry

Full year course; 1 credit/semester

Prerequisite: Algebra I

A TI-84+ graphing calculator is required for this course.

Geometry focuses on analyzing properties of two and three dimensional shapes, reasoning about geometric relationships and using the coordinate system. Studying geometry provides many foundational skills and helps to build thinking skills through the use of proofs, logic, deductive reasoning, analytical reasoning, and problem solving. Topics covered include angles; planes; trigonometric ratios; polygons with special focus on quadrilaterals, triangles, and circles, area, and volume.

◆Honors Geometry

Full year course; 1 credit/semester

Prerequisite: Grade of 90% or higher in Algebra I or Teacher Recommendation

Honors Geometry focuses on analyzing properties of two and three dimensional shapes, reasoning about geometric relationships and using the coordinate system. This course provides many foundational skills and helps to build thinking skills through the use of proofs, logic, deductive reasoning, analytical reasoning, indirect proofs, and challenging problem solving. Topics covered include angles, planes, trigonometric ratios, polygons with special focus on quadrilaterals, triangles, circles, area, and volume.

◆Quantitative Reasoning

Full year course; 1 credit/semester

Prerequisite: 75% or higher in Algebra II with teacher recommendation

Recommended Grade Level: 11-12

A TI-84+ graphing calculator is required for this course.

As a result of this course, students will learn how to combine algebraic and graphical approaches with practical business and personal finance applications such as understanding the stock market, modeling a business, banking, purchasing a home or car, and much more. This course will help you achieve success by offering an applications-based learning approach incorporating Algebra I, Algebra II, and Geometry topics.

◆Pre-Calculus/Trigonometry

Full year course; 1 credit/semester

Prerequisites: Honors Algebra II and Honors Geometry or 90% or higher in General Algebra II w/Teacher Recommendation

Recommended Grade Level: 11-12

TI-84+ graphing calculator is required for this course. This course blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The course includes the study of (1) relations and functions, (2) exponential and logarithmic functions, (3) trigonometry in triangles, (4)

trigonometric functions, (5) trigonometric identities and equations, (6) polar coordinates and complex numbers, (7) sequences and series and (8) data analysis.

◆Pre-Calculus

Advanced Placement

Full year course; 1 credit/semester

Prerequisites: Grade of 90% or higher in Honors Algebra II and Honors Geometry

Recommended Grade Level: 11

Dual credit—6 credit hours

TI-84+ graphing calculator is required for this course. This course will prepare the student for AP Calculus. This research-based exploration of functions is designed to better prepare students for AP Calculus and provide grounding for other mathematics and science courses. Topics include (1) polynomial and rational functions, (2) exponential and logarithmic functions, (3) trigonometric and polar functions and (4) functions involving parameters, vectors and matrices. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Accuplacer). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

◆Calculus

Advanced Placement Full year course; 1 credit/ semester

Prerequisite: 90% or higher in AP Pre-Calculus or Teacher Recommendation

Recommended Grade : 12

Dual Credit—3 credit hours

TI-84+ graphing calculator is required for this course. This course provides students with the content established by the College Board. Topics include (1) functions, graphs, and limits: analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity as a property of functions, (2) derivatives: concepts of the derivative, derivative at a point, derivative as a function, second derivatives, application and computation of derivatives, and (3) integrals: interpretations and properties of the definite integrals, applications of integrals, fundamental theorem of calculus, techniques of anti-differentiation, and numerical approximations to definite integrals. Students have the opportunity to earn college credit through the required end of course exam. Note: AP Calculus Lab provides extra time for students to master the content in AP Calculus. It is highly recommended for all students in AP Calculus and will meet 2 days a week. This Lab is 1/2 credit per semester and is a full year course. Please indicate interest to Mr. Wilson, head counselor. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Accuplacer). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

FINE ARTS DEPARTMENT

Theater Arts

Full year course; one credit/semester

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

Intro. To II Dim./III Dim. Art

Full year course; 1 credit/semester

This is an introduction to drawing, painting, mixed media, and 3D art for high school students. Throughout the year students are introduced to art history (both historic and contemporary) as it relates to the current techniques being studied. Students also learn how to effectively critique and discuss artwork using appropriate terminology. This course is designed to give an introduction to a wide variety of techniques and mediums to allow students to experience unfamiliar art forms and technically improve existing skills.

Photography

Full year course; 1 credit/semester

Prerequisite: Intro to II Dim./III Dim. Art

Required Equipment: Must own a DSLR camera or a smartphone equipped with the Pro-Camera Application

Throughout the year students will create works of art using a DSLR camera or a smartphone equipped with a ProCamera application, and Photoshop. The first semester of photography is devoted to camera function, composition, and Photoshop basics. In addition, students also learn about the history of photography and specific professional photographers. The second semester is a continued exploration of professional photographers, both historic and contemporary, while additionally learning about advanced artistic thinking and technical execution. Students shoot their photos outside of class with class time being used for editing, notes, practical application and critique.

Ceramics

Full year course; 1 credit/semester

Prerequisite: Intro to II Dim./III Dim. Art

There is a small additional fee for this course. Throughout the year, students will create works of art in clay through the development of technical proficiency in hand building, mold making, wheel throwing and glaze techniques. This course emphasizes the art elements and principles of design to produce both functional and non functional three-dimensional pieces of art. In addition, students will be exposed to both contemporary and historic clay artists, the critique process and artistic vocabulary. Class time will be used for brainstorming, sketching, constructing and critique.

Drawing and Painting

Full year course; 1 credit/semester

Prerequisite: Intro to II Dim./III Dim. Art

Throughout the year, students will create works of art using a variety of drawing and painting techniques. This course is designed to build on both objective and abstract technical skills developed in Intro to II Dim./III Dim. Art. In the first semester students will focus on drawing using various techniques such as pencil, colored pencil, chalk, oil pastels and non-traditional materials. In the second semester, students will focus on painting, using various techniques such as watercolor, acrylic, oils and non-traditional materials. In addition to their projects, students will be exposed to both historical and contemporary artists, the critique process and artistic vocabulary. Class time will be used for brainstorming, sketching, making and critique.

Advanced Art Studio

This advanced arts course is for those students who have completed Intro. II Dim./III Dim. Art and a year of medium specific class. (Sculpture, Ceramics, Photography, Drawing or Painting). If a student does not have the appropriate prerequisites, they can enter the class based on art teacher recommendation with a portfolio. The course is an open studio setting with independent projects that are student driven. Students select one medium to work in for the duration of the year. The first semester is focused on developing advanced technical proficiency in the chosen medium, with the second semester being focused on the development of an art show. In addition to their projects, students will be expected to participate in the critique process and class discussions about various contemporary artistic issues.

Advanced Photography

Full year course; 1 credit/semester

Prerequisite: Intro to II Dim./III Dim. Art, One full year of Photography

Required Equipment: Must own a DSLR camera or a smartphone equipped with the Pro-Camera Application

Throughout the year students will create works of art using a DSLR camera or a smartphone equipped with a ProCamera application, and Photoshop. The first semester of photography is devoted to camera function, composition, and Photoshop basics. In addition, students also learn about the history of photography and specific professional photographers. The second semester is a continued exploration of professional photographers, both historic and contemporary, while additionally learning about advanced artistic thinking and technical execution. Students shoot their photos outside of class with class time being used for editing, notes, practical application and critique.

Advanced Ceramics

Full year course; 1 credit/semester

Prerequisite: Intro to II Dim./III Dim. Art

There is a small additional fee for this course. Throughout the year, students will create works of art in clay through the development of technical proficiency in hand building, mold making, wheel throwing and glaze techniques. This course emphasizes the art elements and principles of design to produce both functional and nonfunctional three-dimensional pieces of art. In addition, students will be exposed to both contemporary and historic clay artists, the critique process and artistic vocabulary. Class time will be used for brainstorming, sketching, constructing and critique.

Advanced Drawing/Painting

Full year course; 1 credit/semester

Prerequisite: Intro to II Dim./III Dim. Art

This course is designed to build on both objective and abstract technical skills developed in Intro to II Dim/III Dim. Art. Students will focus on drawing using various techniques such as pencil, colored pencil, chalk, oil pastels and non-traditional materials. Students will focus on painting, using various techniques such as watercolor, acrylic, oils and non-traditional materials. Students will be exposed to both historic and contemporary artists, the critique process and artistic vocabulary. Class time will be used for brainstorming, sketching, making and critique. The AP Studio Art Program consists of portfolio exams in either 2-D Design, 3-D Design, or Drawing— corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. The portfolio will have two sections: Sustained Investigation and Selected works.

2-D Art and Design

Advanced Placement

Full year course; 1 credit/semester

Prerequisites: Intro to II Dim./III Dim. Art , One full year of medium specific class (Drawing and Painting, Ceramics, Photography) or teacher recommendation and portfolio submission

Grade Level: 11-12

The AP 2D Design portfolio consists of demonstrating a thorough understanding of the elements and principles of art and how they relate to each other through line, shape, transparency, balance, emphasis, figure/ ground relationship, juxtaposition and repetition. The portfolios correspond to most college foundation courses. Students submit portfolios for evaluation at the end of the school year. AP Art students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions. The course is not intended to be used as a dual credit course.

3-D Art and Design

Advanced Placement

Prerequisites: Intro to II Dim./III Dim. Art , One full year of medium specific class (Drawing and Painting, Ceramics, Photography) or teacher recommendation and portfolio submission

Grade Level: 11-12

The 3-D Design portfolio involves decision making about how to use the elements and principles of art as they relate to the integration of depth, space, volume, and surface, either actual or virtual. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. The course is not intended to be used as a dual credit course.

Drawing

Advanced Placement

Full year course; 1 credit/semester

Prerequisites: Intro to II Dim./III Dim. Art , One full year of medium specific class (Drawing and Painting, Ceramics, Photography) or teacher recommendation and portfolio submission

Grade Level: 11-12

The Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. The course is not intended to be used as a dual credit course.

Intermediate Chorus

Full year course; 1 credit/semester

Intermediate Chorus is a vocal ensemble consisting of students in grades 9-12. An audition for Intermediate Chorus is not required. Students perform both sacred and secular music in a variety of styles ranging in SATB format. Students learn proper vocal care, vocalizing and breathing techniques, sight singing and performance practices. Students also practice listening skills as well as analysis of performances by the group and others. Students participate in school concerts as well as community events, field trips, and local and state festivals. Vocal practice outside the classroom is expected. Grading is based on in-class participation and concert attendance. Concert attire and attendance are required.

Honors Choral Chamber Singers

Full year course: 1 credit/semester

Prerequisite: Audition required

Grade Level: 9-12

Student musicianship and specific performance skills in this course are enhanced through specialized small group instruction. The activities expand the repertoire of a specific genre. Chamber ensemble class provides instruction in creating, performing, listening to, and analyzing music, in addition to focusing on specific subject matter and understanding God's influence in individuals composing music. Students develop the ability to understand and convey the composer's intent in performance of music and in-depth study of the texts and their meaning with a Biblical worldview. Time outside the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Intermediate Concert Band

Full year course; 1 credit/semester

This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Students study a varied repertoire of developmentally appropriate concert band literature and develop the ability to understand and convey

the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Honors Advanced Concert Band

Full year course; 1 credit/semester

Grade Level: 10-12

Placement in this course is decided and auditioned by the band director and other instructors in the program. This course provides students with a balanced, comprehensive study of music and performance. Ensemble and solo activities are designed to develop elements of musicianship, including but not limited to: tone production, technical skills, intonation, music reading skills, listening skills, analysis of music, and the study of historically-significant styles of literature. Advanced classroom experiences include but are not limited to: sight-reading, improvising, conducting, and playing by ear. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the normal school day that support and extend learning in the classroom. Concert attire and attendance are required.

Jazz Ensemble

Full year course; 1/2 credit/semester

Recommended Grade Level: 9-12

This is an auditioned ensemble. The course does not meet during the regular school day, but before school two mornings a week and cannot be selected during online class requests. Students will be scheduled manually after auditions. This course develops musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of instrumental jazz. Instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. Participation in concerts, competitions, and festivals outside of the regular school day may be required and will be graded.

Music History/Appreciation

Full year course; 1 credit/semester

Grade Level 9-12

Dual credit - 3 credit hours

This course seeks to explore the history of humanity through music. This class will examine music from antiquity to the modern day, discovering connections and contrasts between human cultures—lifestyle, values, struggles and goals—from various locations and historical eras. Upon successful completion of this course, students will be able to (1) convincingly read, write, and speak within the discipline of music, (2) articulate a basic understanding of the timeline of Western musical development, (3) perform basic analysis of the elements of music from a variety of locations and time periods, (4) discuss the influence of historical Western music eras on modern Western music, and (5) compare and contrast historical and modern Western music with world music. ***This course has the potential of earning dual credit through Ivy Tech Community College. Dual credit enrollment is contingent upon appropriate test scores (PSAT, SAT, ACT, or Accuplacer). Credits may transfer to other colleges. These courses are graded on the AP scale (5.3).***

MULTIDISCIPLINARY

Preparing for College and Careers

1 semester course; 1 credit

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. Reviewing College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, exploring postsecondary options and making career plans may be included.

Career Exploration Internship

Full year course; 1 or 2 credits/semester

Required grade level:12

The Career Exploration Internship (CEI) course consists of a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interests. CEI is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in regularly scheduled meetings with their classroom teacher for the purpose of helping students make the connection between academic learning and their work-related experiences.

Internships will be in the following disciplines:

- Ministry
- Education
- Sales and marketing
- Business management
- Real Estate
- Vocational Trades
- Insurance

Cadet Teaching

Full year course; 1 credit/semester, Elective credit Grade Level: 11-12 (in good academic standing) A current teacher recommendation, placement availability, placement teacher acceptance, administrator approval required Cadet teaching is designed to give students a "hands on" introduction to teaching. Students are assigned to a teacher and assist in various activities. Activities may include tutoring students, preparing bulletin boards, reading to students, teaching art lessons, preparing recess games and other activities as signed by the teacher.

Peer Tutoring

Full year course; 1 credit/semester up to 2 (elective) credits

Grade Level: 10-12 (in good academic standing) Placement availability, placement teacher acceptance, administrator approval required. Peer tutoring provides high school students with an organized exploratory experience to assist students in kindergarten through grade twelve with their studies and personal growth and development. The course provides opportunities for the students to develop a basic understanding of individual differences and to explore career options in related fields. Peer Tutoring experiences are preplanned by the teacher trainer and any cooperating teacher under whom the tutoring is to be provided. The course provides a balance of class work relating to the development and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies.

Adult Roles and Responsibilities

1 semester course; 1 credit

Recommended Grade Level 10-12

Adult Roles and Responsibilities is recommended for students as life foundations and academic enrichment in personal and family finance, adult life responsibilities, and similar areas. This course builds knowledge, skills,

attitudes and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. This course will use a project based approach that develops higher order thinking, communication, leadership, management processes, and fundamentals to college and career success.

Intro to Engineering Design

Full year course; 1 credit/semester

Grade Level 9-12

Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. Students begin with completing structured activities and move to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Ethical issues related to professional practice and product development are also presented.

PHYSICAL EDUCATION & HEALTH DEPARTMENT

Health

1 semester course; 1 credit

This course is meant to present a Biblically-based foundation for a healthy lifestyle. The course focuses on the five major areas that define wellness: physical health, emotional health, social health, mental health, and spiritual health. Health is taught on the premise that we are not our own and that we should strive to glorify God in every area of our lives. Students will have the opportunity to become adult and pediatric CPR/First Aid/AED certified.

Physical Education I

1 semester course; 1 credit

This course emphasizes health-related physical fitness and lifelong participation in a variety of athletic activities. Students are expected to come prepared in appropriate physical education attire and demonstrate proper teamwork and sportsmanship during their participation in class. Physical fitness testing emphasizes cardio-respiratory endurance, muscular strength and endurance, and flexibility. Students are introduced to functional training exercises and sports such as basketball, soccer, ultimate Frisbee, handball, flag football, volleyball and tennis. Assessment includes written and performance-based skill observations and fitness tests.

Physical Education II

1 semester course; 1 credit

This course promotes lifelong fitness and a personal commitment to healthy fitness habits. Students are involved in a variety of team and individual sports, and physical fitness testing. This course also provides students with the opportunity to create and lead new class activities throughout the semester. Additionally, students will learn proper sportsmanship, social interaction, and intrinsic motivation. Assessment includes written and performance-based skill observations and fitness tests.

Alternate Supervised Physical Education

This course cannot be selected during online registration. Students will obtain the necessary enrollment and portfolio information from the P.E. teacher and be scheduled manually. This course, once enrolled, will be accessed through Canvas. P. E. credit may be awarded to students who play a high school sport, cheerleading or participate in drum line. Credit and grades will be determined through participation in the sport or activity. A portfolio must be maintained and turned in to provide demonstration of mastery of P.E. standards.

Elective PE - Strength and Conditioning

1 semester course; 1 credit

Prerequisite: PE I and PE II

Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in resistance training, cardiovascular activity, stretching and lifestyle management . The course is designed to increase ability and interest in overall physical fitness. This course includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. The course will promote increased muscular strength and endurance involving activities for increased cardiovascular fitness, stretching exercises for increased flexibility, form running and sprinting techniques for increased speed and agility drills for increased agility and coordination. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness. Ongoing assessment includes both written and performance-based skill evaluation.

FOUR YEAR PLANNER

11th & 12th Grade

Diploma Type: ____ Core 40
____ Core 40 w/Academic Honors

9th Grade

1. English I or Hon. English I _____
2. Math _____
3. Science _____
4. Bible I
5. PE/ASPE* (1 or 2 sem.)/Health or Elective

6. _____ (Elective)
7. _____ (Elective)

10th Grade

1. English II or Hon. English II _____
2. Math _____
3. Science _____
4. Bible II
5. PE/ASPE* (1 or 2 sem.)/Health or Elective

6. _____ (Elective)
7. _____ (Elective)

11th Grade

1. English III, Honors English III or AP Lang./Comp.

2. U.S. History, Honors U.S. History or AP U.S. History _____
3. Bible III
4. Math or Quantitative Reasoning _____
5. Science or Elective _____
6. _____ (Elective)
7. _____ (Elective)

12th Grade

1. English IV or AP Lit./Comp.

2. U. S. Government, Honors U.S. Government or AP Government _____
& Economics or Honors Economics _____
3. Bible IV
- 4 Math/Quantitative Reasoning or Elective _____
5. Science or Elective _____
6. _____ (Elective)
7. _____ (Elective)

* Alternate Supervised PE

** 1 semester of Personal Finance is a requirement for the class of 2028.

► Actual course offerings are dependent on sufficient class enrollment.

FOUR YEAR PLANNER

9th & 10th Grade

9th Grade

1. English I or Hon. English I _____
2. Math _____
3. Science _____
4. Bible I
5. PE/ASPE* /Health or Elective _____
6. Prep for CC/Personal Finance **or
Elective _____
7. World History or Elective _____

10th Grade

1. English II or Hon. English II/Speech

2. Math _____
3. Science _____
4. Bible II
5. PE/ASPE*/Health or Elective _____
6. Prep for CC/Personal Finance **or
Elective _____
7. World History or Elective _____

11th Grade

1. English III, Honors English III or AP Lang./Comp.

2. U.S. History, Honors U.S. History or AP U.S.
History _____
3. Bible III
4. Math _____
5. Science /STEM _____
6. _____ (Elective)
7. _____ (Elective)

12th Grade

1. English IV or AP Lit./Comp.

2. U. S. Government, Honors U.S. Government or
AP Government _____
3. Bible IV
- 4 Math or Elective _____
5. Science/STEM or Elective _____
6. _____ (Elective)
7. _____ (Elective)

*Alternate Supervised PE

**Most students in attendance for 8th grade will have completed the Personal Finance requirement

▶ Actual course offerings are dependent on sufficient class enrollment.