

Donald E. Gavit High School Course Catalog

FINE ARTS

INTRODUCTION TO TWO-DIMENSIONAL ART (L)

4000 (2D ART)

Introduction to Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio quality works.

- Recommended Grade Level: 9, 10, 11, or 12
- Recommended Prerequisites: none
- Credits: 1 semester course for 1 credit
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

INTRODUCTION TO THREE-DIMENSIONAL ART (L)

4002 (3D ART)

Introduction to Three-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio quality works.

- Recommended Grade Level: 9, 10, 11, or 12
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course for 1 credit
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

ADVANCED THREE-DIMENSIONAL ART (L)

3D-4006 (ADV 3D ART)

Advanced Three-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Three-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works.

- Recommended Grade Level: 9, 10, 11, or 12
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three-Dimensional Art (L)
- Credits: 1 semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

ADVANCED TWO-DIMENSIONAL ART (L)

4004 (ADV 2D ART)

Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works.

- Recommended Grade Level: 9, 10, 11, or 12
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

MUSIC APPRECIATION

4206 (MUS HIST)

Music History and Appreciation is based on the Indiana Academic Standards for Music and standards for this specific course. Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture.

- Recommended Grade Level: 9, 10, 11, or 12
- Recommended Prerequisites: none
- Credits: 1 or 2 semester course for 1 credit per semester. The nature of this course allows for two successive semesters of instruction, provided that defined standards are utilized.
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

BEGINNING CHORUS (L)

4182 (BEG CHOR)

Beginning Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. 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.

- Recommended Grade Level: 10, 11, or 12
- Recommended Prerequisites: none
- Credits: 1 semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

ADVANCED CHORUS (L)

4188 (ADV CHOR)

Advanced Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Advanced Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Recommended Grade Level: 10, 11, or 12
- Recommended Prerequisites: Beginning and Intermediate Chorus
- Credits: 1 semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

BEGINNING CONCERT BAND (L)

4160 (BEG BAND)

Beginning Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains.. 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.

- Recommended Grade Level: 9, 10, 11, or 12
- Recommended Prerequisites: none
- Credits: 1 semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

ADVANCED CONCERT BAND (L)

4170 (ADV BAND)

Advanced Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course provides students with a balanced comprehensive study of music through the concert band,. Experiences include improvising, conducting, playing by ear, and sight-reading. Students 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.

- Recommended Grade Level: 10, 11, or 12
- Recommended Prerequisites: Beginning and Intermediate Concert Band
- Credits: 1 semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

BUSINESS

DIGITAL CITIZENSHIP

4528 (DIG APPS RESP)

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students should be provided with the opportunity to seek industry-recognized digital literacy certifications.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: None
- Credits: 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

PERSONAL FINANCIAL RESPONSIBILITY

4540 (PRS FIN RSP)

Personal Financial Responsibility 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. A project based approach and applications through authentic settings such as work based observations and service learning experiences are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: None
- Credits: 1 credit course, 1 credit per semester, 1 credit maximum
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas
- Qualifies as a quantitative reasoning course

BUSINESS LAW AND ETHICS

4560 (BUS LAW ETH)

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods, case review, and situational analyses.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

WEB DESIGN

4574 (WEB DESIGN)

Web Design is a course that provides instruction in the principles of web design using HTML/XHTML and current/emerging software programs. Areas of instruction include audience analysis, hierarchy layout and design techniques, software integration, and publishing. Instructional strategies should include peer teaching, collaborative instruction, project-based learning activities, and school community projects.

- Recommended Grade Level: 11, 12
- Credits: 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF MARKETING

5914 (PRN MRKT)

Principles of Marketing provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem-solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

MARKETING IN HOSPITALITY AND TOURISM

5982 (MKT HOSP)

Marketing in Hospitality and Tourism is a specialized course that develops student understanding of marketing in the hospitality, travel, and tourism industry. Students gain experiences marketing-information management, pricing, product/service management, promotion, and selling in the hospitality, travel, and tourism industry.

- Credits: 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF BUSINESS MANAGEMENT

4562 (BUS MGMT)

Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free-enterprise system. Students will attain an understanding of management, team building, leadership, problem-solving steps and processes that contribute to the achievement of organizational goals. The management of human and financial resources is emphasized.

- Recommended Grade Level: 11, 12
- Credits: 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

PREPARING FOR COLLEGE AND CAREERS

5394 (PREP CC)

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

- Recommended Grade Level: 9
- Recommended Prerequisites: None
- Credits: 1 credit course, 1 credit per semester, 1 credit maximum
- Qualifies as one of the F&CS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for a waiver, a student must take three of the approved courses. For more information, please see 511 IAC 6-7.1-4(c) (6).
- Counts as a Directed Elective or Elective for all diplomas

INTRODUCTION TO ACCOUNTING

4524 (INTO ACC)

Introduction to Accounting 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.

- Recommended Grade Level: 10,11
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for the all diplomas

INTRODUCTION TO ENTREPRENEURSHIP

5967 (INTO ENTR)

Introduction to Entrepreneurship provides an overview of what it means to be an Entrepreneur. Student will learn about starting and operating a business, marketing products and services, and how to find resources to help in the development of a new venture. This course is ideal for students interested in starting their own art gallery, salon, restaurant, etc.

- Recommended Grade Level: 9, 10
- Recommended Prerequisites: None
- Credits: 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

ADULT ROLES AND RESPONSIBILITIES

5330 (ADULTEROLES)

Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment, and as a career sequence course for students with interest in family and community services, personal and family finance, 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. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of adult roles and responsibilities. Direct, concrete mathematics and language arts proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides the foundation for continuing and postsecondary education in all career areas related to individual and family life.

- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Counts as a Directed Elective or Elective for all diplomas

SOCIAL STUDIES

WORLD HISTORY AND CIVILIZATION

1548 (WLD HST/CVL)

World History and Civilization 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. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course. Students are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. They will examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present.

- Recommended Grade Level: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills the Geography History of the World/World History and Civilization graduation requirement for all diplomas

UNITED STATES HISTORY

1542 (US HIST)

United States History is a two-semester course that builds upon concepts developed in previous studies of U.S. History and emphasizes national development from the late nineteenth century into the twenty-first century. After reviewing fundamental themes in the early development of the nation, students are expected to identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present as they relate to life in Indiana and the United States. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. Students develop historical thinking and research skills and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time.

- Recommended Grade Level: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills the US History requirement for all diplomas

UNITED STATES GOVERNMENT

1540 (US GOVT)

United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and governments; the rights and responsibilities of citizens; and how these are part of local, state, and national government. Students examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. How the United States interacts with other nations and the government's role in world affairs will be included. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues. As a result, they will be able to explain the role of individuals and groups in government, politics, and civic activities and the need for civic and political engagement of citizens in the United States.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Fulfills the Government requirement for all diplomas

ALSO available as Dual Credit through Ivy Tech with GPA qualifications

ECONOMICS

1514 (ECON)

Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning and behaviors of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills the Economics requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors and International Baccalaureate diplomas
- Fulfills a Social Studies requirement for the General Diploma only
- Qualifies as a quantitative reasoning course

SOCIOLOGY

1534 (SOCIOLOGY)

Sociology allows students to study human social behavior from a group perspective. The sociological perspective is a method of studying recurring patterns in people's 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. 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 will be examined. Influences on group behavior and social problems are included in the course. Students also analyze the role of individuals in the community and social problems in today's world.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Counts as an Elective for all diplomas

PSYCHOLOGY

1532 (PSYCH)

Psychology is the scientific study of mental processes and behavior. The course is divided into eight content areas. History & Scientific Method explores the history of psychology, the research methods used, and the ethical considerations that must be utilized. Biological Basis for Behavior focuses on the way the brain and nervous system function, including sensation, perception, motivation and emotion. Development looks at all the changes through one's life; physical, cognitive, as well as emotional, social and moral development. Cognition focuses on learning, memory, information processing, and language development. Personality and Assessment looks at the approaches used to explain one's personality and the assessment tools used. Abnormal Psychology explores psychological disorders and the various treatments used for them. Socio-Cultural Dimensions of Behavior covers topics such as conformity, obedience, perceptions, attitudes and influence of the group on the individual. Psychological Thinking explores how to think like a psychologist and expand critical thinking skills needed in the day-to-day life of a psychologist.

- Recommended Grade Level: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas

CURRENT PROBLEMS, ISSUES, AND EVENTS

1512 (CPIE)

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 and internships within the community may be included.

- Recommended Grade Level: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. Course may be repeated for credit if the content of the course changes.
- Counts as an Elective for all diplomas

MATH

ALGEBRA I

2520 (ALG I)

Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of 5 strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas
- Fulfills the Algebra I/Integrated Mathematics I requirement for all diplomas
- Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors diploma should receive credit for Algebra I by the end of Grade 9

GEOMETRY

2532 (GEOM)

Geometry formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Five critical areas comprise the *Geometry* course: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: Algebra I
- Credits: 2 semester course, 1 credit per semester
- Counts as a Mathematics Course for the General Diploma
- Fulfills the Geometry/Integrated Mathematics II requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

Also offered as Honors

ALGEBRA II

2522 (ALG II)

Algebra II builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Algebra II is made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisite: Algebra I
- Credits: 2 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas
- Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas

Also offered as Honors

PRE-CALCULUS

2564 (PRECAL)

Pre-Calculus extends the foundations of algebra and functions developed in previous courses to new functions, including exponential and logarithmic functions, and to higher-level sequences and series. The course is designed for students who expect math to be a major component of their future college and career experiences, and as such it is designed to provide students with strong foundations for calculus and other higher-level math courses. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Recommended Prerequisite: Algebra II and Geometry or Integrated Mathematics III
- Credits: 1 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas

Also offered as Honors

TRIGONOMETRY

2566 (TRIG)

Trigonometry provides the foundation for common *periodic* functions that are encountered many disciplines, including music, engineering, medicine, and finance (and nearly all other STEM disciplines). Trigonometry consists of seven strands: Conics, Unit Circle, Geometry, Periodic Functions, Identities, Polar Coordinates, and Vectors. Students will also advance their understanding of *imaginary* numbers through an investigation of complex numbers and polar coordinates. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: Algebra II and Geometry or Integrated Mathematics III
- Credits: 1 semester course, 1 credit per semester
- Student should not receive credit for both Trigonometry and Precalculus/Trigonometry since the same trigonometry course content is covered in both courses
- Counts as a Mathematics course for all diplomas

Also offered as Honors

SCIENCE

BIOLOGY I (L)

3024 (BIO I)

Biology I is a course based on the following core topics: cellular chemistry, structure and reproduction; matter cycles and energy transfer; interdependence of organisms; molecular basis of heredity; genetics and evolution. Instruction should focus 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.

- Recommended Grade Level: 10
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills the Biology requirement for all diplomas

CHEMISTRY I (L)

3064 (CHEM I)

Chemistry I is a course based on the following core topics: properties and states of matter; atomic structure; bonding; chemical reactions; solution chemistry; behavior of gases, and organic chemistry. Students enrolled in Chemistry I compare, contrast, and synthesize useful models of the structure and properties of matter and the mechanisms of its interactions. Instruction should focus 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.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisite: Algebra II (can be taken concurrently)
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Core 40 science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

ANATOMY AND PHYSIOLOGY

5276 (A & P)

Anatomy & Physiology is a course in which students 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, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & 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.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: Biology
- Credits: 1 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Core 40 science course requirement for all diplomas

PHYSICS I (L)

3084 (PHYS I)

Physics I is a course focused on the following core topics: motion and forces; energy and momentum; temperature and thermal energy transfer; electricity and magnetism; vibrations and waves; light and optics. Instruction should focus 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.

- Recommended Grade Level: 9, 10, 11
- Recommended Prerequisites: Algebra I or II
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Core 40 science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

ENVIRONMENTAL SCIENCE (L)

3010 (ENVSCI)

Environmental Science is an interdisciplinary course that integrates biology, earth science, chemistry, and other disciplines. Students enrolled in this course conduct in-depth scientific studies of ecosystems, population dynamics, resource management, and environmental consequences of natural and anthropogenic processes. Students formulate, design, and carry out laboratory and field investigations as an essential course component. Students completing Environmental Science, acquire the essential tools for understanding the complexities of national and global environmental systems.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: Two credits in Core 40 and AHD science coursework
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a Core 40 science (life) course requirement for all diplomas

INTEGRATED CHEMISTRY-PHYSICS (L)

3108 (ICP)

Integrated Chemistry-Physics is a course focused on the following core topics: motion and energy of macroscopic objects; chemical, electrical, mechanical and nuclear energy; properties of matter; transport of energy; magnetism; energy production and its relationship to the environment and economy. Instruction should focus 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.

- Recommended Grade Level: 9
- Recommended Prerequisite: Algebra I (may be taken concurrently with this course)
- Credits: A two credit course
- Counts as an Elective for all diplomas
- Fulfills a Core 40 science (physical) course requirement for all diplomas

ENGLISH

ENGLISH 9

1002 (ENG 9)

English 9, an integrated English course based on the *Indiana Academic Standards for English/Language Arts in Grades 9-10*, is a study of language, literature, composition, and oral communication, focusing on literature within an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write, responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and sustained research assignments., . Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade Level: 9
- Recommended Prerequisites: none
- Credits: 2 semester course , 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Also offered as Honors

ENGLISH 10

1004 (ENG 10)

English 10, an integrated English course based on the *Indiana Academic Standards for English/Language Arts in Grades 9- 10*, is a study of language, literature, composition, and oral communication, focusing on literature with an appropriate level of complexity for this grade band. Students write responses to literature, expository (informative) and argumentative/persuasive compositions, and sustained research assignments. . Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade Level: 10
- Recommended Prerequisites: English 9 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Also offered as Honors

ENGLISH 11

1006 (ENG 11)

English 11, an integrated English course based on the *Indiana Academic Standards for English/Language Arts in Grades 11-12*, is a study of language, literature, composition, and oral communication focusing on literature with an appropriate level of complexity for this grade band.

- Recommended Grade Level: 11
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

ENGLISH 12

1008 (ENG 12)

English 12, an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11- 12, is a study of language, 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 in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, persuasive, expository, summary), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information

- Recommended Grade Level: 12
- Recommended Prerequisites: English 9, English 10, and English 11 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

DEVELOPMENTAL READING

1120 (DEV READING)

Developmental Reading is a supplemental course that provides students with individualized instruction designed to support success in completing course work aligned with the Indiana Academic Standards for English/Language Arts focusing on the Reading Standards for Literature and Nonfiction. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 1 to 8 semester course, 1 credit per semester. This course allows for successive semesters of instruction for students who need additional support in vocabulary development and reading comprehension.
- Counts as an elective for all diplomas

SPEECH

SPEECH 1076 (SPEECH)

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 multi-media 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. Course can be offered in conjunction with a composition and literature course, or schools may embed Indiana Academic Standards for English/Language Arts within curriculum.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: None
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

ENGLISH AS A NEW LANGUAGE

1012 or 2188 (ENL)

English as a New Language, an integrated English course incorporating both the Indiana Academic Standards for English Language Arts and the WIDA English Language Development (ELD) Standards, is the study of language, literature, composition and oral communication for Limited English Proficient (LEP) students. The purpose of the course is to achieve proficiency in listening, speaking, reading, writing and comprehension of Standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency.

- Recommended Grade Level: The intent of the ENL course is to move students as successfully, smoothly, and rapidly as possible into the Core 40 English courses offered in grades 9-12.
- Recommended Prerequisites: English proficiency placement test results
- Credits: 2 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at advanced levels (up to a maximum of four credits).
- Fulfills an English Language Arts requirement for all diplomas

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- World Language credit (2188): If ENL course work addresses Indiana's Academic Standards for World Languages and is taken concurrently with another English Language Arts course, up to four (4) credits

accrued may count as World Language credits for all diplomas

TECHNOLOGY

INTRODUCTION TO ENGINEERING DESIGN

4812 PLTW (IED)

4802 non-PLTW (INT ENG DES)

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 advance from completing structured activities 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.

NOTE: Use of the PLTW Course number is limited to schools that have agreed to be part of the Project Lead the Way network and follow all training and data collection requirements.

- Recommended Grade Level: 9
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF ENGINEERING

4814 PLTW (POE)

5644 non-PLTW (PRNC ENG)

Principles of Engineering is a course that focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and production systems in developing and presenting solutions to engineering problems. NOTE: Use of the PLTW Course number is limited to schools that have agreed to be part of the Project Lead the Way network and follow all training and data collection requirements.

- Recommended Grade Level: 10-11
- Required Prerequisites: Introduction to Engineering Design
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
- Qualifies as a quantitative reasoning course

PE/HEALTH

PHYSICAL EDUCATION I (L)

3542 (PHYS ED)

Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEP's and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11.

- Recommended Grade Level: 9, 10, 11, 12
- Required Prerequisites: Grade 8 Physical Education
- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Fulfills part of the Physical Education requirement for all diplomas
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.
- Adapted physical education must be offered, as needed, in the least restricted environment and must be based upon an individual assessment.
- As a designated laboratory course, 25% of course time must be spent in activity

PHYSICAL EDUCATION II (L)

3544 (PHYS ED II)

Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in four of the following areas that were not covered in Physical Education I: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEP's and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11.

- Recommended Grade Level: 9, 10, 11, 12
- Required Prerequisites: Physical Education I
- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Fulfills part of the Physical Education requirement for all diplomas
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.
- Adapted physical education must be offered, as needed, in the least restricted environment and must be based upon an individual assessment.
- As a designated laboratory course, 25% of course time must be spent in activity.

ELECTIVE PHYSICAL EDUCATION (L)

3560 (ELECT PE)

Elective Physical Education, a course based on selected standards from Indiana's Academic Standards for Physical Education, identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. A minimum of two of the following activities should be included: team sports; dual sports activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. 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. 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. Individual assessments may be modified for individuals with disabilities, in addition to those with IEP's and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11.

- Recommended Grade Level: 10, 11, 12 • Recommended Prerequisites: Physical Education I and II
- Credits: 1 credit per semester, maximum of 8 credits
- Counts as an Elective requirement for all diplomas
- The nature of this course allows for successive semesters of instruction provided defined proficiencies and content standards are utilized
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.

HEALTH & WELLNESS EDUCATION

3506 (HLTH & WEL)

Health & Wellness, a course based on *Indiana's Academic Standards for Health & Wellness* and provides the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco-free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: 8th grade health education
- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Fulfills the Health & Wellness requirement for all diploma types

HEALTH AND WELLNESS ADVANCED HEALTH EDUCATION

3500 (ADV HLTH ED)

Advanced Health & Wellness, an elective course that is aligned to *Indiana's Academic Standards for Health & Wellness*, provides advanced knowledge and skills to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students practice the development of functional advanced health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. Advanced Health & Wellness provides students with an in-depth study of promoting personal health and wellness, physical activity, healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco, alcohol, and other drug free lifestyle; and promoting human development and family health. The scientific components of health and wellness, health issues and concerns, health risk appraisals, individual wellness plans, health promotion and health careers are expanded and explored within the context of the course. This course provides students with the advanced knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

- Recommended Grade Level: 10, 11, or 12
- Required Prerequisites: Health & Wellness course

- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Counts as an Elective requirement for all diplomas

NUTRITION AND WELLNESS

5342 (NTRN WLNS)

Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness. This is a nutrition class that introduces students to only the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of nutrition, food, and wellness. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied. This course is the first in a sequence of courses that provide a foundation for continuing and post-secondary education in all career areas related to nutrition, food, and wellness.

- Recommended Grade Level: 9, 10
- Recommended Prerequisites: none
- Credits: 1 credit per semester, 1 credit maximum
- Counts as a Directed Elective or Elective for all diplomas

FOREIGN LANGUAGE

CHINESE I

2000 (CHI I)

Chinese I, a course based on *Indiana's Academic Standards for World Languages*, introduces students to effective strategies for beginning Chinese language learning, and to various aspects of Chinese-speaking culture. 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 simple sentences using characters. This course also emphasizes the development of reading and listening comprehension skills, such as recognizing letters and sounds of familiar words and comprehending brief oral directions. Additionally, students will examine the practices, products and perspectives of Chinese-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Chinese language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

CHINESE II

2002 (CHI II)

Chinese II, a course based on *Indiana's Academic Standards for World Languages*, builds upon effective strategies for Chinese language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write sentences and descriptions using characters. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and recognizing words and characters through stroke order and stroke count. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation. Additionally, students will describe the practices, products and perspectives of Chinese-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Chinese language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12
- Required Prerequisites: Chinese I
- Credits: 2 semester course, 1 credit per semester

- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

CHINESE III

2004 (CHI III)

Chinese III, a course based on *Indiana's Academic Standards for World Languages*, builds upon effective strategies for Chinese language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write simple paragraphs using characters. This course also emphasizes the continued development of reading and listening comprehension skills, such as using radicals, stroke order, and stroke count to guess meaning. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation. Additionally, students will continue to develop understanding of Chinese-speaking culture through recognition of the interrelations among

Indiana Department of Education State Approved Course Titles and Descriptions
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- Recommended Grade Level: 9, 10, 11, 12
- Required Prerequisites: Chinese I and II
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

SPANISH I

2120 (SPAN I)

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 culture. 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 examine the practices, products and perspectives of Spanish-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas

- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

SPANISH II

2122 (SPAN II)

Spanish II, a course based on *Indiana's Academic Standards for World Languages*, builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of Spanish-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12
- Required Prerequisites: Spanish I
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

SPANISH III

2124 (SPAN III)

Spanish III, a course based on *Indiana's Academic Standards for World Languages*, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12
- Required Prerequisites: Spanish I and II
- Credits: 2 semester course, 1 credit per semester

- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

MULTIDISCIPLINARY

PEER TUTORING

0520 (PEER TUTOR)

Peer Tutoring provides high school students with an organized exploratory experience to assist students in kindergarten through grade twelve (K-12), through a helping relationship, with their studies and personal growth and development. The course provides opportunities for the students taking the course 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. It must be conducted under the supervision of a licensed teacher. The course provides a balance of class work relating to the development of and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies.

- Recommended Grade Level: 10, 11 or 12
- Recommended Prerequisites: None
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as an Elective for all diplomas

BASIC SKILLS DEVELOPMENT

0500 (BAS SKLS)

Basic Skills Development is a multidisciplinary course that provides students continuing opportunities to develop basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note taking, (7) study and organizational skills, and (8) problem-solving skills, which are essential for high school course work achievement. Determination of the skills to be emphasized in this course is based on Indiana's standards, individual school corporation general curriculum plans, and the student's Individualized Education Programs (IEP) or other individualized plans. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: None
- Credits: 1 credit per semester up to 8 semesters, 8 credits maximum
- Counts as an Elective for all diplomas

COLLEGE-ENTRANCE PREPARATION

0532 (COL-ENT PREP)

College-Entrance Preparation utilizes individual student score reports from the PSAT, PLAN, and/or ACCUPLACER to prepare students for the SAT, ACT, ACCUPLACER and/or Compass college readiness assessments. Based on student score reports, students will receive targeted instruction to strengthen their foundations in critical reading, writing, mathematics, and science sections of college admission and placement exams. As appropriate, the course will also encompass test taking strategies to prepare students for success on a high-stakes assessment. Teachers are encouraged to use a curriculum with longitudinal, successful results. Course may also include college selection and application units, to better prepare students for overall college-readiness. Being “college ready” means being prepared for any postsecondary education or training experience, including readiness for study at two-year and four-year institutions leading to a postsecondary credential (i.e., a certificate, license, Associate’s or Bachelor’s degree). Being ready for college means that a high school graduate has the English and mathematics knowledge and skills necessary to qualify for and succeed in entry-level, credit-bearing college courses without the need for remedial coursework.

- Recommended Prerequisite: Algebra II (or concurrent enrollment in Algebra II)
- Credits: 1 semester course, .5 to 1 credit per semester, 4 credits maximum
- The nature of this course allows for successive semesters of instruction provided progressively advanced proficiencies and content standards are utilized.
- Counts as an Elective credit for all diplomas.

ADVANCED PLACEMENT

AP ENGLISH LANGUAGE AND COMPOSITION

1056 (LNG/COMP AP)

AP English Language and Composition is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. The course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. There is no prescribed sequence of study.

- Recommended Grade Level: 11, 12 (College Board does not designate when this course should be offered).
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

AP ENGLISH LITERATURE AND COMPOSITION

1058 (LIT/COMP AP)

AP English Literature and Composition is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

- Recommended Grade Level: 11,12
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 all diplomas

AP COMPUTER SCIENCE PRINCIPLES

4568 (SC P AP)

The *AP Computer Science Principles* course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. The course is not intended to be used as a dual credit course.

- Recommended Grade Level: 11, 12
- Recommended Prerequisite: Algebra I
- Credits: 2 semester course, 1 credit per semester
- Counts as a Math Course for all diplomas

AP STATISTICS

2570 (AP STAT)

AP Statistics is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The *AP Statistics* course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the *AP Statistics* course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

- Recommended Grade Level: 11, 12
- Recommended Prerequisite: Algebra II or Integrated Mathematics III
- Credits: 1 to 2 credit course, 1 credit per semester. Due to the level of rigor, it is recommended that AP Statistics be offered as a 2 semester, 2 credit course.
- Counts as a Mathematics Course for all diplomas
- Qualifies as a quantitative reasoning course

AP CALCULUS AB

2562 (CALC AB AP)

AP Calculus AB is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Calculus AB is equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. This course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

- Recommended Grade Level: 11, 12
- Required Prerequisites: Pre-Calculus
- Credits: 2 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas
- Qualifies as a quantitative reasoning course

AP BIOLOGY (L)

3020 (BIO AP)

AP Biology is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The major themes of the course include: The process of evolution drives the diversity and unity of life, Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis, Living systems store, retrieve, transmit and respond to information essential to life processes, Biological systems interact, and these systems and their interactions possess complex properties.

- Recommended Grade Level: 11, 12
- Recommended Prerequisite: Biology I and Chemistry I
- Credits: 2 semester course, 1 credit per semester
- Counts as a Science Course for all diplomas
- Qualifies as a quantitative reasoning course

AP CHEMISTRY (L)

3060 (CHEM AP)

AP Chemistry is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of matter: gases, liquids and solids, solutions; and (3) reactions: reaction types, stoichiometry, equilibrium, kinetics and thermodynamics.

- Recommended Grade Level: 12
- Recommended Prerequisite: Chemistry I, Algebra II, Precalculus/Trigonometry
- Credits: 2 semester course, 1 credit per semester
- Counts as a Science Course for all diplomas
- Qualifies as a quantitative reasoning course

AP ENVIRONMENTAL SCIENCE (L)

3012 (ENVSCI AP)

AP Environmental Science is a course based on content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. Students enrolled in AP Environmental Science investigate the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

- Recommended Grade Level: 12
- Recommended Prerequisite: Biology and Chemistry
- Credits: 2 semester course, 1 credit per semester
- Counts as a Science Course for all diplomas
- Qualifies as a quantitative reasoning course

AP UNITED STATES HISTORY

1562 (US HIST AP)

AP United States History is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: none. Students should be able to read a college level textbook and write grammatically correct, complete sentences.
- Credits: 2 semester course, 1 credit per semester
- Fulfills the US History requirement for all diplomas

AP PSYCHOLOGY

1558 (PSYCH AP)

AP Psychology is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. Topics include: History and Approaches; Research Methods; Biological Bases of Behavior; Sensation and Perception; States of Consciousness; Learning; Cognition; Motivation and Emotion; Developmental Psychology; Personality; Testing and Individual Differences; Abnormal Behavior; Treatment of Abnormal Behavior; and Social Psychology.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: none. Students should be able to read a college level textbook and write grammatically correct, complete sentences.
- Credits: 1 to 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas

AP SPANISH LANGUAGE AND CULTURE

2132 (SP LANG AP)

AP Spanish Language and Culture is a course established and copyrighted by the College Board and follows the College Board course guidelines for AP Spanish Language and Culture. The course prepares students to be successful on the AP Spanish Language and Culture exam. The course is not intended to be used as a dual credit course.

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: Spanish I, II and III
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
 - Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

AP SPANISH LITERATURE AND CULTURE

2134 (SP LIT AP)

AP Spanish Literature and Culture is a course established and copyrighted by the College Board and follows the College Board course guidelines for AP Spanish Literature and Culture. The course prepares students to be successful on the AP Spanish Literature and Culture exam. The course is not intended to be used as a dual credit course.

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism).

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: Spanish I, II and III
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma

Area Career Center Course Descriptions

College and Career Readiness

Course Listing

The Area Career Center or ACC in Hammond, IN offers 16 programs in Career and Technical Education or CTE. These CTE programs give students real-world, hands-on experience that prepares them for college and careers. All CTE programs at the ACC offer college credit opportunities so students can save money and time on their college experience. Many programs offer industry-recognized certifications that help students gain employment directly upon graduation.

Course Offerings

Auto Technology I & II
Collision & Refinishing Technology I & II
Computer information Technology I & II
Construction Technology I & II
Cosmetology
Criminal Justice & Law I & II
Culinary and Pastry Arts & Sciences I & II
Dental Assisting I & II
Early Childhood Education I & II
Electrical & Mechanical Engineering Technology
Emergency Medical Services
Graphic Arts & Digital Imaging I & II
Health Science Careers I
Health Science Careers II: Nursing
Industrial Maintenance & Welding I & II
Multimedia Broadcast Academy I & II

Auto Technology I & II

Course Numbers: 5510 & 5546

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-6 Credits

Articulation: University of Northwestern Ohio-12 Credits

- Learn skills for entry level auto mechanic positions.
- Earn industry leading ASE certification in suspension & steering, brakes, electrical/electronic systems, and engine performance.
- Work on real vehicles in a realistic shop environment.
- Curriculum topics rotate on a year-to-year basis.

Vincennes credit will be awarded for the following courses:

<i>AUTO 105</i>	<i>Transportation Fundamentals</i>	<i>2 credits</i>
<i>AUTO 110</i>	<i>Transportation Electrical</i>	<i>3 credits</i>
<i>AUTO 110L</i>	<i>Transportation Electrical Lab</i>	<i>1 credit</i>

Collision & Refinishing Technology I & II

Course Numbers: 5544 & 5514

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-16 Credits

- Learn skills for entry level auto body positions.
- Earn industry leading ASE certification in painting & refinishing, structural analysis & damage repair, and non-structural analysis and damage repair.
- Learn computerized frame measuring; computerized estimate writing; shrinking and stretching methods; alignment work on doors, hoods and deck lids; use of spray painting equipment.
- Work on real vehicles in a realistic shop environment.

Vincennes credit will be awarded for the following courses:

<i>AUTO 105</i>	<i>Transportation Fundamentals</i>	<i>2 credits</i>
<i>BODY 100</i>	<i>Non-Structural Analysis & Damage Repair</i>	<i>3 credits</i>
<i>BODY 100L</i>	<i>Non-Structural Analysis & Damage Repair Lab</i>	<i>4 credits</i>
<i>BODY 150</i>	<i>Painting & Refinishing</i>	<i>3 credits</i>
<i>BODY 150L</i>	<i>Painting & Refinishing Lab</i>	<i>4 credits</i>

Computer Information Technology I & II

Course Numbers: 5230 & 4588

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-12 Credits

- Learn skills for entry level computer support and network administrator positions.
- Earn industry leading CompTIA A+ certifications and Cisco CCENT certification.
- Learn how to install, configure, maintain and troubleshoot computers, laptops, tablets, peripherals, and networks.
- Utilize all of the latest technologies and tools.

Vincennes credit will be awarded for the following courses:

<i>CMET 140</i>	<i>Computer Maintenance I</i>	<i>3 credits</i>
<i>CMET 185</i>	<i>Computer Maintenance II</i>	<i>3 credits</i>
<i>CPNS 101</i>	<i>LAN Basics and OSI Model</i>	<i>3 credits</i>
<i>CPNS 102</i>	<i>WAN Basics and Routers</i>	<i>3 credits</i>

Construction Technology I & II

Course Numbers: 5580 & 5578

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-6 Credits

- Learn skills for entry level construction positions.
- Earn industry leading Home Builders Institute (HBI) Carpentry Basic Certification.
- Learn carpentry, plumbing, electrical, masonry, painting, drywall, roofing, concrete and OSHA training.
- Classroom represents a realistic job site, complete with homes that students build.

Vincennes credit will be awarded for the following courses:

<i>CNST 100</i>	<i>Construction Seminar</i>	<i>1 credit</i>
<i>CNST 120</i>	<i>Construction Safety</i>	<i>2 credits</i>
<i>CNST 261</i>	<i>IN Residential Code for 1 & 2 Family Dwellings</i>	<i>3 credits</i>

Cosmetology

Course Numbers: 5802 & 5806

Length/Credits: 12 high school credits over 2 years (Must attend for 4 hours due to State regulations)

Open to: Grade 11

Dual Credit: Vincennes University-30 Credits

- Learn skills for entry level cosmetology and hair stylist positions.
- Program qualifies students to take the Indiana State Board of Cosmetology exam.
- Learn shampoos and sets, permanents, scalp treatments, facial treatments, haircuts, hair coloring, manicures, proper sanitation and personal hygiene habits.
- Classroom is an operating salon, with real clients.

Vincennes credit will be awarded for the following courses:

<i>COSM 100</i>	<i>Cosmetology I</i>	<i>7 credits</i>
<i>COSM 150</i>	<i>Cosmetology II</i>	<i>7 credits</i>
<i>COSM 200</i>	<i>Cosmetology III</i>	<i>7 credits</i>
<i>COSM 250</i>	<i>Cosmetology IV</i>	<i>9 credits</i>

Criminal Justice & Law I & II

Course Numbers: 5822 & 5824

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-12 Credits

- Learn skills for entry level police and legal work.
- Earn CPR certification.
- Learn about the criminal justice system, traffic control, criminology and forensic science.
- Participate in mock trials and perform community service.

Vincennes credit will be awarded for the following courses:

<i>LAWE 100</i>	<i>Survey of Criminal Justice</i>	<i>3 credits</i>
<i>LAWE 201</i>	<i>Current Trends, Issues and Topics in Law Enforcement</i>	<i>3 credits</i>
<i>LAWE 150</i>	<i>Intro to Criminology</i>	<i>3 credits</i>
<i>LAWE 160</i>	<i>Criminal Investigation</i>	<i>3 credits</i>

Culinary and Pastry Arts & Sciences I & II

Course Numbers: 5440 & 5346

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-14 Credits

- Learn skills for entry level culinary arts and hospitality positions.
- Earn industry standard ServSafe and Pro-Start National Certification of Achievement.
- Learn all areas of food preparation, sanitation, personal finance, inventory, nutrition, customer relations, and management.
- Work in a professional kitchen environment with industrial grade appliances.

Vincennes credit will be awarded for the following courses:

<i>CULN 110</i>	<i>Quantity Food Production</i>	<i>5 credits</i>
<i>REST 100</i>	<i>Intro Hospitality Management</i>	<i>3 credits</i>
<i>REST 120</i>	<i>Food Service Sanitation</i>	<i>3 credits</i>
<i>REST 155</i>	<i>Quantity Food Purchasing</i>	<i>3 credits</i>

Dental Assisting I & II

Course Numbers: 5203 & 5204

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Ivy Tech Community College-6 credits

Articulation: Brightwood College-14 quarter credits

- Learn skills for dental assisting and dental hygienist positions.
- Earn CPR, Dental Radiological, Dental Assistant, Orthodontic Assistant certifications.
- Learn dental materials, chair-side assisting, patient preparation, office tasks, lab duties and assisting the dentist or dental hygienist.
- Work with dental equipment and chairs and have the opportunity for an internship at a real dentist office.

Ivy Tech credit will be awarded for the following courses:

<i>DENT 124</i>	<i>Preventive Dentistry/Diet Nutrition</i>	<i>2 credits (Pending Approval)</i>
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Articulated credit from Brightwood College will be awarded for the following courses:

<i>DA 101</i>	<i>Fundamentals of Dental Assisting</i>	<i>3 quarter credits</i>
<i>DA 102</i>	<i>Introduction to Dental Assisting</i>	<i>4 quarter credits</i>
<i>CS 101</i>	<i>Academic Strategies</i>	<i>4 quarter credits</i>
<i>CS 102</i>	<i>Academic Skills</i>	<i>4 Quarter credits</i>

Early Childhood Education I & II

Course Numbers: 5412 & 5406

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Ivy Tech Community College-12 Credits

- Learn skills for childcare and preschool teaching positions.
- Earn CPR and Child Development Associate (CDA) certifications.
- Learn child development and growth, develop lesson plans, develop the physical, emotional, social and cognitive areas of early childhood.
- Participate in a professional internship at a childcare facility the second year of the program.

Ivy Tech credit will be awarded for the following courses:

<i>ECED 100</i>	<i>Introduction to Early Childhood Education</i>	<i>3 credits</i>
<i>ECED 101</i>	<i>Health, Safety and Nutrition</i>	<i>3 credits</i>
<i>ECED 103</i>	<i>Curriculum in Early Childhood Classroom</i>	<i>3 credits</i>
<i>ECED 105</i>	<i>CDA Process</i>	<i>3 credits</i>

Electrical & Mechanical Engineering Technology

Course Number: 5608 & 5606

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-9 Credits

- Learn skills needed in the high demand fields of robotics, automation, engineering, and engineering technology
- Earn Certified Production Technician (CPT) certification.
- Learn robotics and automation, engineering technology, electrical systems, mechanical systems, hydraulics and pneumatics, and programmable logic controllers (PLC's).

Vincennes credit will be awarded for the following courses:

<i>CIMT 100</i>	<i>Electronics for Automation</i>	<i>3 credits</i>
<i>CIMT 100L</i>	<i>Electronics for Automation Lab</i>	<i>3 credits</i>
<i>CIMT 125</i>	<i>Introduction to Robotics & Automation</i>	<i>2 credits</i>
<i>CIMT 125L</i>	<i>Introduction to Robotics & Auto Lab</i>	<i>1 credit</i>

Emergency Medical Services

Course Number: 5826 & 5210

Length/Credits: 6 high school credits

Open to: Grade 12

Dual Credit: Vincennes University-6 Credits

- Learn skills for EMT and paramedic work.
- Earn CPR, Emergency Medical Responder (EMR), and Emergency Medical Technician (EMT) certifications.
- Learn about emergency care techniques, stabilizing patients, transporting, and first responder skills.
- 1 year program that transitions seamlessly from the Health Science Careers programs.

Vincennes credit will be awarded for the following courses:

<i>EMTB 212</i>	<i>Emergency Medical Technician-Basic</i>	<i>6 credits</i>
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Graphic Arts & Digital Imaging I & II

Course Numbers: 5550 & 5572

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-6 Credits

- Learn skills for entry level graphics design and print production work.
- Learn computer design, layout, illustration, offset and digital printing, sign manufacturing, and screen printing.
- Utilize brand new Apple Mac computers and the latest software from Adobe.

Vincennes credit will be awarded for the following courses:

<i>DESN 120</i>	<i>Computer Illustration</i>	<i>3 credits</i>
<i>DESN 155</i>	<i>Computer Page Layout</i>	<i>3 credits</i>

Health Science Careers I

Course Numbers: 5276 & 5282

Length/Credits: 6 high school credits

Open to: Grades 11 and 12

Dual Credit: Ivy Tech Community College-6 Credits

- Learn about medical terminology, anatomy and physiology, health careers and nursing skills.
- Transition seamlessly to other health science areas such as Nursing and EMT.
- Utilize state of the art Anatomy-in-Clay program.

Ivy Tech credit will be awarded for the following courses:

<i>HLHS 100</i>	<i>Introduction to Health Careers</i>	<i>3 credits</i>
<i>HLHS 101</i>	<i>Medical Terminology</i>	<i>3 credits</i>

Health Science Careers II: Nursing

Course Number: 5284

Length/Credits: 6 high school credits

Open to: Grade 12

Dual Credit: Ivy Tech Community College-5 Credits

- Learn skills for entry level nursing and health care work.
- Earn CPR and Certified Nursing Assistant (CNA) certification.
- Participate in an internship in a managed care facility in the second semester of the program.

Ivy Tech credit will be awarded for the following courses:

HLHS 107 *CNA Preparation* *5 credits*

Industrial Maintenance & Welding I & II

Course Numbers: 5776 & 5778

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Ivy Tech Community College-12 Credits

- Learn skills for entry level welding, machining and industrial maintenance work.
- Earn American Welding Society (AWS) SENSE Level 1 certification.
- Learn welding techniques, blueprint reading, industrial maintenance, motor controls, and basic electricity and machinery.
- Learn in a newly remodeled classroom complete with new welding booths.

Ivy Tech credit will be awarded for the following courses:

<i>WELD 100</i>	<i>Welding Processes</i>	<i>3 credits</i>
<i>WELD 108</i>	<i>Shielded Metal Arc Welding I</i>	<i>3 credits</i>
<i>WELD 109</i>	<i>Oxy-Fuel Gas Welding & Cutting</i>	<i>3 credits</i>
<i>WELD 207</i>	<i>Gas Metal Arc (MIG) Welding</i>	<i>3 credits</i>

Multimedia Broadcast Academy I & II

Course Numbers: 5986 & 5992

Length/Credits: 6 high school credits per year

Open to: Grades 11 and 12

Dual Credit: Vincennes University-3 Credits

- Learn skills for A/V production, news anchor, radio and TV engineering work.
- Learn all aspects of audio/video, radio and TV production, utilize industry standard tools such as AVID Media Composer and Final Cut Pro.
- Work in a real high definition television studio and radio both.

Vincennes credit will be awarded for the following courses:

MCOM 102 *Introduction to Audio/Video Production* *3 credits*