

Connersville High School
Course Guide
2023-2024 School Year



What is the Course Guide?

The Connersville High School Course Guide is a tool designed to help students and parents determine which courses to take in high school. Parents are encouraged to become actively involved with their children in the selection of coursework. The information in this Course Guide should be studied and referred to often. It is important to note the course prerequisites and graduation requirements for specific diplomas.

Selecting Courses

The courses you select can impact your future endeavors. Students and parents are encouraged to choose courses that are academically challenging and provide preparation for the future. The selection of courses is of utmost importance and includes consideration of a student's interests, abilities, and effort. Unless special permission is granted, students must carry a minimum of six credits per semester.

The Timeline of the Scheduling Process •

- Students will select next school year's courses in late winter/early spring. Students are expected to give careful consideration to course selections when they are made. After the last day of the school year, no parent/student course request changes are available. Until the first day of the new school year, counselors may change schedules and classes due to the following reasons only: 1) graduation requirement or academic need, 2) course cancellation, 3) course conflict, and/or 4) failure to meet prerequisite. Every attempt is made to place students in the courses requested. However, at times, a student may have to choose a different elective due to scheduling conflicts and availability of courses. Please have alternate courses in mind in case there is a scheduling conflict.
- A master schedule is developed based on student course requests. Once a Master Schedule is built, course requests will be scheduled and scheduling conflicts resolved.
- Before the new school year begins, adjustments in students' schedules will be made for class failures, prerequisite requirements, and class size. The Guidance Department reserves the right to adjust what period a class meets in order to balance class sizes.
- Students should view their schedule during Fall Registration. Two weeks prior to the beginning of the school year is the designated time to make changes in one's schedule due to credit requirements for diplomas, post-secondary schooling and career goals. After school begins, no schedule change will be made except to 1) correct a computer error, 2) balance a course size, or 3) remedy improper placement.

- Requests to change second semester's schedules must be submitted during the last two weeks of first semester.
- Teacher/counselor requested inter-departmental change requests may be granted throughout the semester.

COHORT DESIGNATION: Cohort designation will be determined by the number of years the student has been in high school. Thus, a first year student is a freshman and a fourth year student is a senior. Students who attend school more than four years will be designated as fifth-year seniors. While a certain number of credits are not required for class designation, it is recommended that students have a minimum of 11 credits following their freshman year, 23 credits following their sophomore year, and 35 credits following their junior year.

CREDIT: A term indicating that a student has successfully completed a class. For each class successfully completed per semester, one (1) credit will be given.

PREREQUISITES: Courses established for subjects where evidence of previous aptitude, ability, and achievement are necessary for successful completion of the course.

REQUIRED COURSE: A class required by the State of Indiana or by the local school corporation.

DUAL CREDIT COURSE: Secondary-based dual credit is defined as simultaneously earning high school and Indiana University or Ivy Tech credit for coursework taught at Connersville High School by Connersville High School faculty. The secondary-level coursework may be comprised of one course or a sequence of courses. The student obtains dual credit status – earning both high school and college credit – when mastery of the subject matter is achieved.

MID-TERM GRADUATION: Seniors fulfilling all graduation requirements by the end of the first semester can choose to graduate at the end of the first semester. These students should request a Mid-Term Graduation Form during the scheduling process. In addition, students can request a letter stating that they have graduated once they have completed their coursework in December. Mid-term graduates are encouraged to participate in the graduation ceremony in June.

MINIMUM CREDIT LOAD: Students are required to take a minimum of seven credits each semester unless approved by an administrator.

NINE + SEMESTER GRADUATION: Students who have not met all graduation requirements at the end of eight semesters will not participate in the graduation ceremony with their class even if they meet all requirements during the summer following their eighth semester.

ATHLETIC ELIGIBILITY: Students must pass five classes to be eligible for interscholastic athletics. National Collegiate Athletic Association Guideline for College Athletes: Students desiring to play in Division I or II college sports must complete a NCAA Clearinghouse application as early as their sophomore year, but no later than the end of their junior year. GPA, SAT and ACT requirements are based on the qualifier index scale found on their website at www.ncaaclearinghouse.net. See the athletic office for more information.

WITHDRAWAL FROM SCHOOL: Students are required to attend school until one of the following is met: 1) Graduation 2) Student turns eighteen 3) Student becomes sixteen years of age but is less than eighteen years of age and provides proof of one of the following situations: a. Financial hardship: Student must be employed to support family or a dependent b. Severe illness c. Order by a court that has jurisdiction over the student indicating the need for withdrawal

DIPLOMA TYPES A student may graduate from Connersville High School with the following diplomas:

CORE 40 WITH ACADEMIC HONORS DIPLOMA: The Academic Honors Diploma goes beyond the normal requirements for graduation. Students must have a cumulative GPA of 3.0 with all semester grades of a "C-" or above in courses that count toward the diploma and a total of 47 graduation credits.

CORE 40 WITH TECHNICAL HONORS DIPLOMA: The Technical Honors Diploma goes beyond the normal requirements for graduation. Students must have a cumulative GPA of 3.0 with all semester grades of a "C-" or above in courses that count toward the diploma and a total of 47 graduation credits. To obtain a Technical Honors Diploma, students must complete 6 high school credits and earn a state-recognized certification or six dual credits in the career-technical area.

CORE 40 DIPLOMA: The Core 40 is a set of essential high school courses that are necessary for admission to most colleges. Students must earn 40 graduation credits.

GENERAL DIPLOMA: The General Diploma meets minimum local and state requirements.

More specific information regarding all diploma types can be found on the next few pages

CORE 40 GRADUATION WORKSHEET

Students in Indiana high schools are encouraged to work toward completing the CORE 40 requirements in order to be the best possible applicant to Indiana colleges or to enter the workforce. Those who meet CORE 40 requirements and qualify for financial aid may receive a higher award. Please note that Connersville High School has a 40 credit requirement.

ENGLISH/LANGUAGE ARTS	SOCIAL STUDIES	MATHEMATICS
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<p>NEED TOTAL OF 8 CREDITS</p> <p>ENG 9 – 1ST semester</p> <p>ENG 9 – 2ND semester</p> <p>ENG 10 – 1ST semester</p> <p>ENG 10 – 2ND semester</p> <p>ENG 11 – 1ST semester</p> <p>ENG 11 – 2ND semester</p> <p>ENG 12 – 1ST semester</p> <p>ENG 12 – 2ND semester</p> <p>(Comp, Lit, Speech, Advanced Speech, Creative Writing, and Expository could all count as any ELA credit)</p>	<p>NEED TOTAL OF 6 CREDITS</p> <p>World History or GHW– 1st sem</p> <p>World History or GHW- 2nd sem</p> <p>US History or AP History–1st sem</p> <p>US History or AP History–2nd sem</p> <p>US Government</p> <p>Economics</p>	<p>NEED TOTAL OF 6 CREDITS (students must take a math or quantitative reasoning course all 4 years or high school)</p> <p>Algebra 1 – 1ST semester</p> <p>Algebra 1 – 2ND semester</p> <p>Geometry – 1ST semester</p> <p>Geometry – 2ND semester</p> <p>Algebra 2 – 1ST sem</p> <p>Algebra 2 – 2nd sem</p> <p>Quantitative Reasoning Course</p> <hr/>
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SCIENCE	PE/Health	ELECTIVES
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<p>NEED TOTAL OF 6 CREDITS</p> <p>Chemistry or ICP – 1ST semester</p> <p>Chemistry or ICP – 2ND semester</p> <p>Biology – 1ST semester</p> <p>Biology – 2ND semester</p> <p>Additional Science – 1ST sem</p> <p>Additional Science – 2NDsem</p>	<p>NEED 2 PE Credits & 1 Health Credit</p> <p>PE – 1st semester</p> <p>PE – 2nd semester</p> <p>Health</p> <p>or</p> <p>3 FACS class requirement</p>	<p>NEED TOTAL OF 11 CREDITS</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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GRADUATION PATHWAYS

With Graduation Pathways, students are able to individualize their graduation requirements to align to their postsecondary goal of Enrollment, Employment, or Enlistment leading to service. No longer must all students fit into the same academic mold, but rather, they can choose the high school options that best meet their postsecondary needs and aspirations.

Link to Checklist for pathways: <https://www.in.gov/doe/files/graduation-pathway-checklist.pdf>

More Information Regarding Pathways: <https://www.in.gov/doe/students/graduation-pathways/>

CORE 40 WITH ACADEMIC HONORS REQUIREMENTS

- Meet all CORE 40 Requirements
- Maintain a cumulative GPA of 3.0 or above
- Earn a Grade of C or better in courses that count toward diploma
- Earn additional CORE 40 math credits
- Earn 6 credits in one foreign language OR 4 credits each in two languages
- Earn 2 fine arts credits
- Complete ONE of the following
 - A. Earn 6 verifiable transcribed college credits
 - B. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on evidence based reading and writing section
 - C. Earn an ACT composite score of 26 or higher and complete written section

CORE 40 WITH TECHNICAL HONORS REQUIREMENTS

- Meet all CORE 40 requirements
- Earn 6 credits in the college and career preparation courses in a state approved College & Career Pathway and one of the following:
 1. Pathway designated industry based certification or credential, or
 2. Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits
- Earn a grade of “C” or better in courses that will count toward the diploma
- Maintain a cumulative GPA of 3.0 or above
- Complete one of the following
 - A. Any of the options for core 40 with Academic Honors (options A-C)
 - B. Earn the following minimum scores on Work Keys: Workplace Documents Level 6, Apple Math Level 6, Graphic Literacy Level 5
 - C. Earn the following minimum scores on Accuplacer: Writing - 80, Reading - 90, Math - 75
 - D. Earn the following minimum score(s) on Compass: Algebra 66 , Writing 70, Reading 80.

CHS National Honor Society Selection Procedures

Membership in the National Honor Society is an honor bestowed upon a student.

1. During the fall semester, seniors with a cumulative minimum GPA of 3.6 and with at least 12 completed ES, dual credit or "honors" credits on their transcript and juniors with at least 9 completed ES, dual credit or "honors" credits on their transcript will qualify to begin selection process. Students must have been enrolled at CHS for one semester prior to consideration.
2. The discipline and permanent records will be searched. Athletic or academic suspensions, arrests or known police reports, or other significant disciplinary infractions will remove the candidate from consideration. This is due to the character component of the NHS, which also includes behavior outside of school.
3. The entire faculty, including administrators, are asked to provide comments on students on the factors of service, leadership, and character. These comments are compiled for the faculty council to use in addition to the student provided information form.
4. Qualifying candidates will be asked to complete an application and return it by a strict deadline.
5. The faculty council considers the application, faculty comments and transcripts of the candidates.
6. The faculty council members take all of the above into consideration and vote on each student. Majority rules.

HONOR GRADUATE

Annually, a member(s) of the graduating class shall be determined as Valedictorian of the Class and a member(s) shall be determined as Salutatorian of the Class. In addition, senior students having an accumulated GPA of 3.6 after 7 semesters (6 semesters for 3 year graduates) will be designated as Honor Graduates and afforded separate and appropriate recognition during graduation ceremonies. Honor graduates must have been on the honor roll for each of the seven semesters (6 semesters for 3 year graduates). Since this is a Fayette County School Corporation Honor, a student must be in attendance for four semesters prior to his/her graduation to be considered an Honor Graduate. Honor graduate students are expected to complete 8 semesters of high school to be eligible. (Early graduates are required to have prior approval from the High School Principal to be considered for this recognition). **PLEASE NOTE THIS IS A DIFFERENT DISTINCTION THAN NATIONAL HONOR SOCIETY AND EARNING AN ACADEMIC HONORS OR TECHNICAL HONORS DIPLOMA.**

ACADEMIC AWARDS (HONOR ROLL) FOR STUDENTS

Objectives of Academic Awards Program:

1. To place academic achievement in a position of prestige
2. To recognize student academic achievement
3. To provide students with incentives for academic achievement
4. To demonstrate to students the intrinsic value of knowledge and the pursuit of it
5. To encourage students by making academic achievement a prized accomplishment

Qualifications

Any student is eligible for an award who:

1. Is enrolled as a student in Connersville High School
2. Is maintaining the specified GPA of 3.0 in six classes at the end of the semester
3. Is taking a minimum of 6 credited classes
4. In order to receive academic recognition from Connersville High School, the Fayette County School Corporation, or the Board of School Trustees, a student must have attended a school accredited by the state of Indiana his or her freshman, sophomore, junior, and senior years. Academic recognition also includes valedictorian and salutatorian. For example, a student who enters and attends Connersville High School as a junior or senior after attending a non-accredited school as a freshman and sophomore, would not be eligible to earn the distinction of valedictorian or salutatorian or any other academic honor associated with class rank or grade point average.
5. An incomplete will make the student ineligible for the semester honor roll unless it is a result of a serious medical problem.

COURSE TITLES AND DESCRIPTIONS

AGRICULTURE

AGRICULTURE POWER, STRUCTURE AND TECHNOLOGY – Dual Credit: AGRI 1016 IVY TECH

5088 (AG POW)

Agriculture Power, Structure and Technology is a lab intensive course in which students develop an understanding of basic principles of selection, operation, maintenance and management of agricultural equipment in concert while incorporating technology. Topics covered include: safety, electricity, plumbing, concrete, carpentry, metal technology, engines, emerging technologies, leadership development, supervised agricultural experience and career opportunities in the area of agriculture power, structure and technology.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1-3 credit(s) per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

ANIMAL SCIENCE – Dual Credit: AGRI 103 IVY TECH

5008 (ANML SCI)

Animal Science provides students with an overview of the animal science field. Students participate in a large variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study can be applied to both large and small animals. Topics to be addressed include: anatomy and physiology, genetics, reproduction, nutrition, common diseases and parasites, social and political issues related to the industry and management practices for the care and maintenance of animals while incorporating leadership development, supervised agricultural experience and learning about career opportunities in the area of animal science.

- Recommended Grade Level: 10, 11
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1-3 credit(s) per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas or counts as an additional Science credit for all Diplomas

AGRIBUSINESS MANAGEMENT - DUAL CREDIT: Agri102 IVY TECH

5002

Agribusiness Management provides foundation concepts in agricultural business. It is a two semester course that introduces students to the principles of business organization and management from a local and global perspective, with utilization of technology. Concepts covered in the course include; food and fiber, forms of business, finance, marketing, management, sales, careers, leadership development, and supervised agricultural experience programs.

- Recommended Grade Level: Grade 10-12
- Prerequisites: Introduction to Agriculture, Food and Natural Resources

- Credits: 1 credit per semester, maximum of 2 credits
- Counts as Directed Elective or Elective for all Diplomas
- Fulfills a Life Science or Physical Science requirement for the General Diploma

PRINCIPLES OF AGRICULTURE - Dual Credit AGRI 100 IVYTECH

7117

Introduction to Agriculture, Food and Natural Resources is highly recommended as a prerequisite to and a foundation for all other agricultural classes. The nature of this course is to provide students with an introduction to the fundamentals of agricultural science and business. Topics to be covered include: animal science, plant and soil science, food science, horticultural science, agricultural business management, landscape management, natural resources, agriculture power, structure and technology, leadership development, supervised agricultural experience and career opportunities in the area of agriculture, food and natural resources.

- Recommended Grade Level: 9-12
- 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

SUPERVISED AGRICULTURAL EXPERIENCE

5228 (SAE)

Supervised Agricultural Experience (SAE) is designed to provide students with opportunities to gain experience in the agriculture field(s) in which they are interested. Students will experience and apply what is learned in the classroom, laboratory and training site to real-life situations with a standards-based plan for learning. Students work closely with their agriculture teacher(s), parents and/or employers to get the most out of their SAE program. This course can be offered each year as well as during the summer session. Curriculum content and competencies need to be varied so that school year and summer session experiences are not duplicative.

- Recommended Grade Levels: 11, 12
- Recommended Prerequisite: Introduction to Agriculture, Food and Natural Resources
- Credits: 1 semester course, 1 credit per semester, 8 credits maximum

ADVANCED LIFE SCIENCE: ANIMALS

5070

Advanced Life Science: Animals is a two-semester course that provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and

practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Animal Science, Food and Natural Resources, Biology, Chemistry, Integrated Chemistry Physics
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum ● Counts as an Elective or Directed Elective for all diplomas.
- Fulfills a Core 40 Science requirement for all diplomas.
- Qualifies as a quantitative reasoning course

ADVANCED LIFE SCIENCE: FOODS (not offered 2023-2024)

5072

Advanced Life Science: Foods is a course that provides students with opportunities to participate in a variety of activities including laboratory work. This is a standards-based, interdisciplinary science course that integrates biology, chemistry, and microbiology in the context of foods and the global food industry. Students enrolled in this course formulate, design, and carry out food-base laboratory and field investigations as an essential course component. Students understand how biology, chemistry, and physics principles apply to the composition of foods, the nutrition of foods, food and food product development, food processing, food safety and sanitation, food packaging, and food storage. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology, physics, and chemistry in the context of highly advanced industry applications of foods.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Chemistry, Biology, Introduction to Agriculture, Food and Natural Resources, Food Science, Nutrition and Wellness, Advanced Nutrition and Wellness
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Fulfills a Core 40 Science requirement for all diplomas
- Qualifies as a quantitative reasoning course

LANDSCAPE MANAGEMENT I (not offered 2023-2024)

5136

Landscape Management is a two semester course that provides the student with an overview of the many career opportunities in the diverse field of landscape management. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices, the principles and procedures involved with landscape construction, the determination of maintenance schedules, communications and management skills necessary in landscaping operations, and the care and use of equipment utilized by landscapers. Upon completion of the program, students have the opportunity to become Indiana Landscape Industry Certified through a state approved program. • Recommended Grade: 11, 12

- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1-3 credit(s) per semester, 6 credits maximum
- Counts as an Elective or Directed Elective for all diplomas.
- Qualifies as a quantitative reasoning course

PLANT AND SOIL SCIENCE - Dual Credit: Agri105 IVY TECH

5170

Plant and Soil Science a two semester course that provides students with opportunities to participate in a variety of activities including laboratory and field work. Coursework includes hands-on learning activities that encourage students to investigate areas of plant and soil science. Students are introduced to the following areas of plant and soil science: plant growth, reproduction and propagation, photosynthesis and respiration, diseases and pests of plants and their management, biotechnology, the basic components and types of soil, soil tillage, and conservation.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources

- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- Fulfills a science course requirement for all diplomas
- Fulfills a Physical Science requirement for the general diploma

NATURAL RESOURCES (not offered 2023-2024)

5180

Natural Resources is a two semester course that provides students with a background in environmental science and conservation. Course work includes hands-on learning activities that encourage students to investigate areas of environmental concern. Students are introduced to the following areas of natural resources: soils, the water cycle, air quality, outdoor recreation, forestry, minerals, interrelationships between humans and natural systems, wetlands, wildlife, safety, careers, leadership, and supervised agricultural experience programs.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Fulfills a science course requirement for all diplomas
- Counts as a Directed Elective or Elective for all diploma

AGRICULTURE STRUCTURES FABRICATION AND DESIGN

7112

Agricultural Structures Fabrication and Design is a two-semester course that focuses on metal work, and agricultural structures. This course will allow students to develop skills in welding and metalworking, construction, fabrication, machine components and design while incorporating the engineering design process. Students will also cover safety topics for each area while demonstrating appropriate health and safety standards.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Agriculture*
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources • Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Counts as a directed elective or elective credits for all diplomas

- Counts as a quantitative reasoning course

• *The Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the class of 2025 and beyond must complete the course to earn concentrator status.

BUSINESS & TECHNOLOGY

Career Cluster: Business Management, Marketing, and Finance

Introduction to Business (INTO BUSS): 4518

Introduction to Business introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics and law. The course develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

- Recommended Grade(s): 9, 10
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

Personal Financial Responsibility (PRS FIN RSP): 4540

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals, identifying sources of income, savings, 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(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester, 1 credit maximum
- Counts as a directed elective or elective for all diplomas. Qualifies as a quantitative reasoning Course

Applied Personal Financial Responsibility (PRS FIN RSP): 4540

Applied Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families,

considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build and apply skills in financial literacy and responsible decision making. Content includes analyzing personal standards, needs, wants, and goals; identifying sources of income, and navigating technology for money management. A project based approach and applications through authentic settings such as work based observations, service learning experiences and community-based instruction are appropriate. Direct, concrete applications of basic mathematics proficiencies in projects are encouraged.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits:
- Counts as an elective for the Certificate of Completion
- Qualifies as an Applied Math course for the Certificate of Completion

Accounting Fundamentals (INTO ACCT): 4524

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

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective all diplomas
- Principles course is not required until 24-25 school year because this course is included in Perkins V pathways.
- Formerly Introduction to Accounting

Business Math (BUS MATH): 4512

Business Math is a course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of math including algebra, basic geometry, statistics, and probability provides the necessary foundation for students interested in careers in business and skilled trade areas. The content includes mathematical operations related to accounting, banking and finance, marketing, and management. Instructional strategies should include simulations, guest speakers, tours, Internet research, and business experiences.

- Recommended Grade(s): 10, 11
- Required Prerequisites: Algebra I
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as an elective or directed elective for all diplomas
- Fulfills a Mathematics requirement for the General Diploma or Certificate of Completion only.
- Qualifies as a quantitative reasoning course

Applied Business Math (BUS MATH): 4512

Applied Business Math is a course designed to prepare students for roles as entrepreneurs,

producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of application of money management skills, navigating industry specific technology and apps, establishing and managing budgets, and maintaining inventory for products and other necessary skills that provides the foundation for students interested in careers in business related fields and everyday life. The content includes basic mathematical operations related to accounting, banking and finance, marketing, management, and retail. Instructional strategies should include simulations, guest speakers, tours, Internet research, and business experiences

- Recommended Grade(s): 10, 11, 12

- Required Prerequisites: none

- Recommended Prerequisites: none

- Credits:

- Counts as an elective for the Certificate of Completion

- Fulfills a Mathematics requirement for the Certificate of Completion

- Qualifies as a quantitative reasoning course

INTRODUCTION TO COMPUTER SCIENCE (INTO CS): 4803

Introduction to Computer Science allows students to explore the world of computer science. Students will gain a broad understanding of the areas composing computer science. Additionally, there is a focus on the areas of computer programming, gaming/mobile development, and artificial intelligence/robotics.

- Recommended Grade Level: 9, 10

- Recommended Prerequisites: None

- Credits: 1 semester course; 1 credit per semester

- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF COMPUTING

7183

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

- Recommended Grade(s): 9, 10, 11

- Required Prerequisites: none

- Recommended Prerequisites: Introduction to Computer Science; Completed or Co-Enrolled in Algebra I

- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

- Counts as a directed elective or elective for all diplomas

- Counts as a quantitative reasoning course ● Counts as a science credit 306 Indiana Department of Education High

Digital Applications and Responsibility (DIG APPS RESP): 4528

***Dual Credit: CINS 101 IVY TECH (3 credit hours)**

This course is highly recommended for all freshman ECHS students. 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(s): 9, 10, 11, 12

- Required Prerequisites: none

- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

***Dual Credit: IVYT 111: Student Success in University Transfer Ivy Tech (1 credit hour)**

This course is embedded inside the Digital Applications and Responsibility course. Students will be provided with skills and strategies that can help them to become successful in academics and life. Topics will include: increasing awareness of personality type and learning style, exploring career options, goal-setting, utilizing various resources, exploring college academic and social environments, discovering different study skills, and examining personal and wellness issues.

4560 Business Law and Ethics (BUS LAW ETH)

***Dual Credit: BUSN 201 IVY TECH (3 credit hours)**

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(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

Principles of Business Management (PRIN BUS): 4562

***Dual Credit: BUSN 101 IVY TECH (3 credit hours)**

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

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Digital Applications and Responsibility
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

Marketing Fundamentals (PRN MRKT): 5914

***Dual Credit: MKTG 101 IVY TECH (3 credit hours)**

Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in the global economy. Course topics include the seven functions of marketing: promotion, channel management, pricing, product/service management, market planning, marketing information management, and professional selling skills. Emphasis is marketing content but will involve use of oral and written communications, mathematical applications, problem-solving, and critical thinking skills through the development of an integrated marketing plan and other projects.

- Recommended Grade(s): 11,12

- Required Prerequisites: Principles of Business Management*
- 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
- *Formerly Principles of Marketing; Principles course is not required until 2024-25 school year because this course is included in Perkins V pathways.

5268 Administrative and Office Management (ADV BUS)

***Dual Credit: BUSN 105 IVY TECH (3 credit hours)**

Administrative and Office Management prepares students to plan, organize, direct, and control the functions and processes of a firm or organization and to perform business-related functions. Students are provided opportunities to develop aptitudes and apply skills and knowledge in the areas of business administration, management, and finance. Individual experiences will be based upon the student's career and educational goals.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Business Management or Marketing Fundamentals
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1-2 credits per semester, 4 credits maximum
- Counts as a directed elective or elective for all diplomas

Strategic Marketing (STRT MRKT): 5918

***Dual Credit: MKTG 230 IVY TECH (3 credit hours)**

Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology, and economics. The relationship between consumer behavior and marketing activities will be reviewed.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Business Management*; Marketing Fundamentals
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1-2 credits per semester, 4 credits maximum
- Counts as a directed elective or elective for all diplomas
- *Principles course is not required until 2024-25 school year because this course is included in Perkins V pathways.

ENGINEERING AND TECHNOLOGY

The following four pre-engineering courses are Next Level Program of Study (NLPS) Pathway approved, and will serve as an optional graduation requirement and are dual credit courses.

INTRODUCTION TO ENGINEERING DESIGN – DUAL CREDIT: IVY TECH DESN 101

4802 PLTW (IED)

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' progress 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.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: Algebra 1
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum, 3 dual credits
- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF ENGINEERING – DUAL CREDIT: IVY TECH DESN 104

5644 PLTW (POE)

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.

- Recommended Grade Level: 10, 11, 12
- Required Prerequisites: Introduction to Engineering Design
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum, 3 dual credit
- Counts as a Directed Elective or Elective for all diplomas – can also be used to fulfill an additional Science Credit for any Diploma
- Qualifies as a quantitative reasoning course

COMPUTER INTEGRATED MANUFACTURING

5534 (COMP INT MFG)

Computer Integrated Manufacturing is a course that applies principles of rapid prototyping, robotics, and automation. This course builds upon the computer solid modeling skills developed in Introduction of Engineering Design. Students will use computer controlled rapid prototyping and CNC equipment to solve problems by constructing actual models of their three-dimensional designs. Students will also be introduced to the fundamentals of robotics and how this equipment is used in an automated manufacturing environment. Students will evaluate their design solutions using various techniques of analysis and make appropriate modifications before producing their prototypes.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Introduction to Engineering Design, Principles of Engineering
- 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

ENGINEERING DESIGN AND DEVELOPMENT (Not offered in 22-23 school year, but will be offered 2023-2024)

5698 (ENG DES DEV)

Engineering Design and Development is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problem. The team and/or individual(s) communicates their solution to a panel of stakeholders at the conclusion of the course. As the capstone course in the Engineering Pathway, EDD engages students in critical thinking, problem-solving, time management, and teamwork skills. NOTE: This course aligns with the PLTW Engineering Design and Development curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

- Recommended Grade(s): 12
- Required Prerequisites: Introduction to Engineering Design; Principles of Engineering; and computer integrated manufacturing
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum 3 dual credit
- Counts as a directed elective or elective for all diplomas
- Qualifies as a quantitative reasoning course

Introduction to Design Processes (Replaces 4784 Introduction to Manufacturing)

4794 (INT DES PRO)

Introduction to Design Processes is a course that specializes in modern design and engineering. The design process is a tool enabling students to solve problems in a systematic, logical and creative manner. Students focus on creative problem solving in developing, testing, presenting and evaluating custom and mass produced products. The design process will be used to analyze research, create and develop ideas, to produce manufactured products. Students will demonstrate and utilize elements and principles of design to improve form, function, aesthetics, ergonomics, and safety of the product while being mindful of the environmental impact. Students develop a good understanding of the way the design process helps them think creatively and develop ideas, encouraging students to engage in higher level thinking to create marketable solutions for many types of problems.

- Recommended Grade(s): 9, 10, 11, 12
- Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

PRINCIPLES OF INDUSTRY 4.0 AND DIGITAL MANUFACTURING

7220

Principles of Industry 4.0 introduces students to the Industrial Internet of Things (IIoT). Students will explore Industry 4.0 technologies such as artificial intelligence (AI), human to robot collaboration, big data, safety, electrical, sensors, digital integration, fluid power, robot operation, measurement, CAD, CNC, additive manufacturing, print reading, and technical mathematics. Students will complete hands-on labs, virtual simulations, projects, and critical thinking assignments to help prepare for SACA C-101 Certified Industry 4.0 Associate I - Basic Operations certification exam.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Advanced Manufacturing
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

Computers in Design & Production

4800 (COMP DES)

Computers in Design and Production is a course that specializes in using modern technological processes, design, and production systems in the manufacture of products. Students apply ingenuity using tools, materials, processes, and resources to create solutions as it applies to the manufacturing industry. Emphasis is placed on developing career related skills for manufacturing, precision machining, welding, electrical and

architecture career pathways. Course content will address topics such as: Mechanical drawing and print design, design documentation using CAD systems; assignments involving the interface of CAD, CNC, CAM, and CIM technologies; computer simulation of products and systems; publishing of various media; animation and related multimedia applications; 3-D modeling of products or structures; digital creation and editing of graphics and audio files; control technologies; and automation in the modern workplace.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: 4794 Introduction to Design Processes or 4802 IED
- Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

INTRODUCTION TO ADVANCED MANUFACTURING AND LOGISTICS

4796 (INT ADV MFTG)

Introduction to Advanced Manufacturing and Logistics focuses on safety relating to manufacturing systems and their relationship to society, individuals, and the environment. Students apply the skills and knowledge of using modern manufacturing processes to obtain resources and change them into industrial materials, industrial products and consumer products. Students investigate the properties of engineered materials and study major types of material processes. After gaining a working knowledge of these materials, students are introduced to advanced manufacturing, logistics, and business principles that are utilized in today's advanced manufacturing industry. Students gain a basic understanding of tooling, electrical skills, operation skills, inventory principles, chart and graph reading, required to mass produce a marketable product. There is also an emphasis placed on the flow process principles, material movement, safety, and related business operations. Students have the opportunity to develop the employability skills employers seek.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: 4794 Introduction to Design Processes, and or 4802 IED
- 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 ADVANCED MANUFACTURING (Not offered in 22-23 school year, but will be offered in 2023-2024)

7108 PRIN ADV MAN

Principles of Advanced Manufacturing is a course that includes classroom and laboratory experiences in Industrial Technology and Manufacturing Trends. Domains include safety and impact, manufacturing essentials, lean manufacturing, design principles, and careers in advanced manufacturing. Hands-on projects will allow students to apply learning on the latest industry technologies as they design, draft, model, present and approve a product for manufacture. Students will then custom manufacture the product to predetermined

industrial specifications and quality standards with the intent of displaying and or competing in front of a judge and or panel.

- Recommended Grade(s): 11, 12
- Required Prerequisites: 4794 Introduction to Design Processes, and 4800 Computers in Design & Production
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

INTRODUCTION TO CONSTRUCTION

4792 (INT CONST) Intro to Construction

Introduction to Construction is a course that will offer hands-on activities and real world experiences related to the skills essential in residential, commercial and civil building construction. During the course students will be introduced to the history and traditions of construction trades. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students are introduced to applied math, basic tools and equipment, and safety. Students will demonstrate building construction techniques, including concrete and masonry, framing, electrical, plumbing, dry walling, and painting. Students learn how architectural ideas are converted into projects and how projects are managed during construction. Students study construction technology topics such as preparing a site, doing earthwork, setting footings and foundations, building the superstructure, enclosing the structure, installing systems, finishing the structure, and completing the site. Students also investigate topics related to the purchasing and maintenance of structures, special purpose facilities, and construction careers.

- Recommended Grade: 9, 10, 11, 12
- Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF ARCHITECTURE, ENGINEERING AND CONSTRUCTION

7295 PRIN AEC

The Principles of Architecture, Engineering and Construction course introduces students to the Architecture Engineering Construction (AEC) industry. AEC courses place an emphasis on fundamentals of construction with advanced study in architectural technology and related computer modeling software. The principles course includes an introduction to architectural drafting and construction trades.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: 4792 Introduction to Construction

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

INTRODUCTION TO TRANSPORTATION

4798 (INT TRANS)

Introduction to Transportation is an introductory course designed to help students become familiar with fundamental principles in modes of land, sea, air, and space transportation, including basic mechanical skills and processes involved in transportation of people, cargo, and goods. Students will gain and apply knowledge and skills in the safe application, design, production, and assessment of products, services, and systems as it relates to the transportation industries. Content of this course includes the study of how transportation impacts individuals, society, and the environment. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant transportation related activities, problems, and settings.

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

PRINCIPLES OF TRANSPORTATION AND LOGISTICS

7386

Principles of Transportation and Logistics examines the structure and importance of the commercial transportation industry in the logistics sector of business. Topics covered include an in-depth examination of the various modes of transportation including discussions of regulations, economics, characteristics, and development in major transportation modes. Also discussed are costing and pricing issues in transportation and relationship management between buyers and sellers of transportation. Additionally, this course introduces students to an overview of the CDL licensure and prepares them to get their CDL permit. Students are required to get a Department of Transportation Physical and Drug Screen.

- Recommended Grade(s): 11, 12
- Required Prerequisites: none
- 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
- Recommended as a one year concentrator sequence offered through a half day program.

FAMILY AND CONSUMER SCIENCES

ADVANCED CHILD DEVELOPMENT

5360 (ADVCHLDDEV)

Advanced Child Development is for those students interested in life foundations, academic enrichment, and/or careers related to knowledge of children, child development, and nurturing of children. This course addresses issues of child development from age 4 through age 8 (grade 3). It builds on the Child Development course, which is a prerequisite. Advanced Child Development includes the study of professional and ethical issues in child development; child growth and development; child development theories, research, and best practices; child health and wellness; teaching and guiding children; special conditions affecting children; and career exploration in child development and nurturing. A project-based approach that utilizes higher order thinking, communication, leadership, management, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied. Service learning, introductory laboratory/field experiences with children in preschool and early elementary school settings, and other authentic applications are strongly recommended. This course provides a foundation for continuing and post-secondary education in all career areas related to children, child development, and nurturing of children.

- Recommended Grade Level: 10, 11, 12
- Prerequisites: Child Development with a C or better
- Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

ADVANCED NUTRITION AND WELLNESS

5340 (ADV NTRN WEL)

Advanced Nutrition and Wellness is a course which provides an extensive study of nutrition. This course is recommended for all students wanting to improve their nutrition and learn how nutrition affects the body across the lifespan. Advanced Nutrition and Wellness is an especially appropriate course for students interested in careers in the medical field, athletic training and dietetics. This course builds on the foundation established in Nutrition and Wellness, which is a required prerequisite. This is a project-based course; utilizing higher-order thinking, communication, leadership and management processes. Topics include extensive study of major nutrients, nutritional standards across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field. Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety and sanitation. This course is the second 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: 10, 11, 12
- Prerequisites: Nutrition and Wellness with C or better

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

CHILD DEVELOPMENT

5362 (CHLD DEV)

Child Development is an introductory course for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers that draw on knowledge of children, child development, and nurturing of children. This course addresses issues of child development from conception/prenatal through age 3. It includes the study of prenatal development and birth; growth and development of children; child care giving and nurturing; and support systems for parents and caregivers. 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 child development. Direct, concrete mathematics and language arts proficiencies will be applied. Authentic applications such as introductory laboratory/field experiences with young children and/or service learning that build knowledge of children, child development, and nurturing of children are strongly recommended. This course provides the foundation for continuing and post- secondary education in all career areas related to children, child development, and nurturing of children.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: none
- Credits: 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 the Health and Wellness waiver, a student must take three of the approved courses. For more information, see 511 IAC 6-7.1-4(c)(6).
- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF FASHION AND TEXTILES

7301

Principles of Fashion and Textiles prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the fashion industry. This course builds a foundation that prepares students for all aspects of the fashion creation process. Major topics include: Basic clothing construction techniques, pattern alterations, and use of commercial patterns.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- 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 HUMAN SERVICES

7176

Principles of Human Services explores the history of human services, career opportunities, and the role of the human service worker. Focuses on target populations and community agencies designed to meet the needs of various populations. The course includes a required job shadowing project in a Human Services setting (a suggested four-hour minimum to meet Ivy Tech requirements). This course will also encourage cultural awareness and appreciation of diversity. Focuses on cultural variations in attitudes, values, language, gestures, and customs. Includes information about major racial and ethnic groups in the United States.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- 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 INTERIOR DESIGN

7132

Principles of Interior Design introduces students to fundamental design theory and color dynamics as applied to compositional design. Investigations into design theory and color dynamics will provide experiences in applying design theory to three-dimensional concepts, human factors and the psychology and social influences of space. These experiences will develop student's skills in creative problem solving, peer evaluation, and presentation skills.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- 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

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
- Qualifies as one of the F&CS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for the Health and Wellness waiver, a student must take three of the approved courses. For more information, see 511 IAC 6-7.1-4(c)(6).
- Local programs have the option of offering a second version of the course that is focused more on the fitness aspects of wellness and nutrition. This version may be taught within the family and consumer sciences department or it may be interdisciplinary and team taught or co-taught with a teacher licensed in physical education. Such a course may be differentiated from the regular course offering by using a subtitle in addition to Nutrition and Wellness. A student may earn credits for multiple versions of the course. No waiver is required in this instance.
- Local programs may offer an additional version of this course for a specific student population, for instance, seniors who have never taken nutrition or foods courses. Such a course may be differentiated from the regular course offering by using a subtitle in addition to Nutrition and Wellness. A student may earn credits for multiple versions of the course. No waiver is required in this instance.

5342A APPLIED NUTRITION AND WELLNESS

Applied Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment. 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, self-determination, and 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.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum

- Counts as an Employability Requirement or Elective for the Certificate of Completion

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. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. 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 semester 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
- Qualifies as a quantitative reasoning course

5394A APPLIED PREPARING FOR COLLEGE AND CAREERS

Applied Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. 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: 9,10,11,12
- Applied Units: 2 units maximum
- Counts as an Elective or Employability requirement for the Certificate of Completion

ENGLISH/LANGUAGE ARTS

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 analytical and interpretive 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

1002A APPLIED ENGLISH 9

Applied English 9 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability-appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade Level: 9-10
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

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 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) 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

1004A APPLIED ENGLISH 10

Applied English 10 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability-appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade Level: 9-10
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

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. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate 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. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

- 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

1006A APPLIED ENGLISH 11

Applied English 11, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses

(e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.

- Recommended Grade Level: 11-12
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

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

1008A APPLIED ENGLISH 12

Applied English 12, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.

- Recommended Grade Level: 11-12

- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

Journalism and Media Studies

JOURNALISM

1080 (JRNALISM)

Journalism, a course based on the Indiana Academic Standards for English/Language Arts and High School Journalism Standards combined, is a study of news elements, journalism history, First Amendment law, ethics, fact and opinion, copy editing, news, and features as they apply to print and digital media products. It includes a comparison study of journalistic writing to other types of English writing with practical application of news, features, editorials, reviews, columns and digital media writing forms and the implementation of standard design elements. For the second credit: Students continue to develop journalistic writing skills in addition to studying graphic design, advertising, public relations, photojournalism and emerging media development and design as well as contribute regularly to the Clarion Newspaper and Cohiscan Yearbook. By the end of the semester, students write, shoot, and design stories for print and digital media products.

- Recommended Grade Level: 9, 10, 11, 12
- Prerequisites: C or better in previous English Courses
- Credits: 1 or 2 semester course, 1 credit per semester. Second credit may be subtitled Advanced to allow for a successive semester of instruction at an advanced level.
- Counts as an Elective for all diplomas
- Counts as an ELA credit for all diplomas

STUDENT Media – Cohiscan & Clarion

1086 (STDNT Media)

Student Media, a course based on the High School Journalism Standards and the Student Media Standards, is the continuation of the study of journalism. Students demonstrate their ability to do journalistic writing and design for high school media, including school newspapers and yearbooks, photography, and a variety of other media formats. Students follow the ethical principles and legal boundaries that guide scholastic journalism. Students express themselves publicly with meaning and clarity for the purpose of informing, entertaining, or persuading. Students work on high school media staffs so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: Journalism, Mass Media, or teacher recommendation
- Credits: 1 semester course, 1 credit per semester, 8 credits maximum. The nature of this course allows for successive semesters of instruction at advanced levels. May be offered over three or four years by subtitling the course Beginning, Intermediate, or Advanced.
- Counts as a Directed Elective or Elective for all diplomas

- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors.

NOTE: This is the designated school Media course, including newspaper and yearbook.

RADIO AND TELEVISION I

5986 (RAD TV I)

Radio and Television I focuses on communication, media and production. Emphasis is placed on career opportunities, production, programming, promotion, sales, performance, and equipment operation. Students will also study the history of communication systems as well as communication ethics and law. Students will develop oral and written communication skills, acquire software and equipment operating abilities, and integrate teamwork skills. Instructional strategies may include a hands-on school-based enterprise, real and/or simulated occupational experiences, job shadowing, field trips, and internships.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: Introduction to Communications
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

RADIO AND TELEVISION II

5992 (RAD TV II)

Radio and Television II prepares students for admission to television production programs at institutions of higher learning. Students train on professional equipment creating a variety of video projects. During this second-year program students integrate and build on first-year curriculum while mastering advanced concepts in production, lighting and audio.

- Recommended Grade Level: 12
- Required Prerequisites: Radio and Television I
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

Language Studies

ENGLISH LITERATURE

1030 (ENG LIT)

English Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of representative works of the English-speaking authors associated with the Commonwealth of Nations, including

England, Scotland, Ireland, Wales, Canada, Newfoundland, Australia, New Zealand, India, South Africa, Kenya, Botswana, and others. Students examine a wide variety of literary genres that reflect the English-speaking peoples from the Anglo-Saxon Period to the present. Students analyze how the ideas and concepts presented in the works are both interconnected and distinctly reflective of the cultures and the countries in which they were written.

Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

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

LIBRARY MEDIA

1082 (LBRY MEDIA)

Library Media is the study and application of procedures based on library science theory. Students examine the role of the library and technology in the current Information Age. Students use electronic resources for specific research needs and use multimedia presentation technology for practical applications.

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

Speech Studies

ADVANCED SPEECH AND COMMUNICATION – Dual Credit: ADV SPEECH COLL - P155 IU

1078 (ADV SPEECH)

Advanced Speech and Communication, a course based on the Indiana Academic Standards for English/Language Arts and emphasizing the High School Speech and Communication Standards, is the study and application of skills in listening, media communications, research methods, and discourse. Students deliver different types of oral presentations, including introductory, perspectives, invitational, and transitional speeches through the use of impromptu and extemporaneous delivery. Course can be offered in conjunction with a composition and literature course, or schools may embed Indiana Academic Standards for English/Language Arts within the curriculum.

- Recommended Grade Level: 11, 12
- Recommended Prerequisites: Speech or teacher recommendation as well as a cumulative GPA of 2.7

- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

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 multimedia presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same Standard English conventions for oral speech that they use in their writing. Course can be offered in conjunction with a composition and literature course, or schools may embed Indiana Academic Standards for English/Language Arts within the 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

1076A APPLIED SPEECH

Applied 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/or multimedia presentations, including student portfolios, viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Student products are aligned to their mode of communication.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as an English/Language Arts or Employability Requirement for the Certificate of Completion

Writing and Composition Studies

ADVANCED COMPOSITION – Dual Credit: ADV COMP W131 IU

1098 (ADV COMP)

Advanced Composition, a course based on the Indiana Academic Standards for English/Language Arts and IU Requirements for college entry level reading and writing skills, is a study and application of the rhetorical reading and writing strategies of exposition, interpretation, analysis, and persuasion. Students read and write expository summaries and critiques of nonfiction selections, literary analysis criticism of fiction selections, persuasive compositions, and research reports in addition to other appropriate reading and writing tasks.

Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

- Recommended Grade Level: 12
- Recommended Prerequisites: English 9, English 10, Expository Writing or special teacher recommendation. Also must have a cumulative GPA of 2.7
- Credits: 1 semester course
- Fulfills an English/Language Arts requirement for all diplomas

CREATIVE WRITING

1092 (CREAT WRIT)

Creative Writing, a workshop-based course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical reading and writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

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

EXPOSITORY WRITING

1094 (EXPOS WRIT)

Expository Writing, a course based on the Indiana Academic Standards for English/ Language Arts, is a study and application of the various types of informational writing intended for a variety of different audiences. By reading and annotating model texts, and by using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

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

MUSIC/FINE ARTS

ADVANCED CHORUS

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. Chorus classes provide opportunities for performing, creating, and responding to music. 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, 12
- Recommended Prerequisites: Beginning and Intermediate Chorus
- Credits: 1 semester course, 1 credit per semester. 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)

Indiana Department of Education 167 High School Course Titles and Descriptions

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, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. 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, 12
- Recommended Prerequisites: Beginning and Intermediate Concert Band
- Credits: 1 semester course, 1 credit per semester. 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

- Attendance at Band Camp, Basketball Games, Rehearsals, and other scheduled performances is required

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. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. 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: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. 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

INTERMEDIATE CHORUS

4186 (INT CHOR)

Intermediate Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Intermediate 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. Chorus classes provide opportunities for performing, creating, and responding to music.

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, 12
- Recommended Prerequisites: Beginning Chorus
- Credits: 1 semester course, 1 credit per semester. 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

INTERMEDIATE CONCERT BAND (L)

4168 (INT BAND)

Intermediate Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Students study a varied repertoire of developmentally appropriate concert band literature and develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: Beginning Concert Band
- Credits: 1 semester course, 1 credit per semester. 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

JAZZ ENSEMBLE (L)

4164 (JAZZ ENS)

Jazz Ensemble is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of instrumental jazz. Instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. A limited amount of time outside of the school day may be scheduled for rehearsals and performances. In addition, a limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom. Student participants must also be receiving instruction in another band or orchestra class offering at the discretion of the director.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: Audition and Permission of Instructor. Must have current membership in Senior High Band
- Credits: 1 semester course, 1 credit per semester. 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 requirement for 1 of 2 Fine Arts credits for the Core 40 with Academic Honors diploma if students are enrolled in another band or orchestra course
- Laboratory Course

MUSIC HISTORY AND 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. Activities include analyzing and describing music; evaluating music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 1 or 2 semester course, 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
- Please note that this class used to be for dual credit, but it is no longer a dual credit course

MUSIC THEORY AND COMPOSITION – NON DUAL CREDIT

4208 (MUS THEORY)

Music Theory and Composition is based on the Indiana Academic Standards for Music and standards for this specific course. Students develop skills in the analysis of music and theoretical concepts. They develop ear training and dictation skills, compose works that illustrate mastered concepts, understand harmonic structures and analysis, understand modes and scales, study a wide variety of musical styles, study traditional and nontraditional music notation and sound sources as tools for musical composition, and receive detailed instruction in other basic elements of music.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 1 or 2 semester course, 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 requirement for 1 to 2 Fine Arts credits for Core 40 with Academic Honors diploma
- Laboratory Course

PIANO AND ELECTRONIC KEYBOARD (L)

4204 (PIANO KEY)

Piano and Electronic Keyboard is based on the Indiana Academic Standards for High School Music Technology and Instrumental Music. Students taking this course are offered keyboard classes in order to develop music proficiency and musicianship. Students perform with proper posture, hand position, fingering, rhythm, and articulation; compose and improvise melodic and harmonic material; create and perform simple accompaniments; listen to, analyze, sight-read, and study a variety of keyboard literature; study the elements of music as exemplified in a variety of styles; and make interpretive decisions.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. 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

VOCAL JAZZ (L)

4184 (VOC JAZZ)

Vocal Jazz is based on the Indiana Academic Standards for High School Choral Music. Students in this course develop musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of vocal jazz. Instruction includes the study of the history and formative and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. 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, 12
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. 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

THEATRE ARTS (L)

4242 (THTR ARTS)

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies.

Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. 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

ART

ADVANCED THREE-DIMENSIONAL ART (L)

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. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

- Recommended Grade Level: 10, 11, 12
- Prerequisites: Introduction to Two-Dimensional Art (recommended), Introduction to Three-Dimensional Art (must obtain C or higher)
- Credits: 1 semester course, 1 credit per semester. 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

CERAMICS

4040

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand

building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Introduction to 3D Art
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three- Dimensional Art (L) (Must contain C or higher)
- Credits: 1 semester course, 1 credit per semester. 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

DRAWING (L)

4060 (DRAWING)

Drawing is a course based on the Indiana Academic Standards for Visual Art. Students in drawing engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

- Recommended Grade Level: 10, 11, 12
- Prerequisites: Introduction to Two-Dimensional Art (must obtain C or higher)
- Credits: 1 semester course, 1 credit per semester. 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

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. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course, 1 credit per semester
- 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 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. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

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

JEWELRY (L)

4042 (JWLRY)

Jewelry is a course based on the Indiana Academic Standards for Visual Art. Students in Jewelry engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of jewelry design and fabrication techniques including, sawing, piercing, filing, and soldering. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

- Recommended Grade Level: 10, 11, 12
- Prerequisites: Introduction to Two-Dimensional Art (recommended), Introduction to Three-Dimensional Art (must obtain C or higher)
- Credits: 1 semester course, 1 credit per semester. 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

PAINTING (L)

4064 (PAINTING)

Painting is a course based on the Indiana Academic Standards for Visual Art. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

- Recommended Grade Level: 10, 11, 12
- Prerequisites: Introduction to Two-Dimensional Art (must obtain C or better)
- Credits: 1 semester course, 1 credit per semester. 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

PHOTOGRAPHY (L)

4062 (PHOTOGRPH)

Photography is a course based on the Indiana Academic Standards for Visual Art. Students in photography engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works, creating photographs, films, and videos utilizing a variety of digital tools and darkroom processes. They reflect upon and refine their work; explore cultural and historical connections;

analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course, 1 credit per semester. 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

HEALTH AND WELLNESS

ADVANCED HEALTH EDUCATION

3500 (ADV HLTH ED)

Advanced Health Education, 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 healthy behaviors; develop group norms that value a healthy lifestyle; and 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 Education course
- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Counts as an Elective requirement for all diplomas

3500A APPLIED ADVANCED HEALTH EDUCATION

Applied Advanced Health Education, an elective course that is aligned to Indiana’s Academic Standards for Health & Wellness, provides knowledge and skills to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students practice applying 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 opportunities to learn and apply 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 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: 11, 12
- Applied Units: 2 units maximum
- Counts as a Health/Wellness requirement for the Certificate of Completion

HEALTH & WELLNESS EDUCATION

3506 (HLTH&WELL)

Health & Wellness, a course based on Indiana’s Academic Standards for Health & Wellness, provides the foundational information needed 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; and 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 that addresses critical health knowledge and skills for successfully maintaining a healthy lifestyle during a child’s school years and beyond. 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 important core concepts of health and wellness and the knowledge and skills needed to successfully access valid health information, analyze the influence of others on their health behaviors, demonstrate the ability to communicate in a way to enhance and avoid or reduce health risks, demonstrate the

ability to use decision-making skills to enhance health, demonstrate the ability to practice health-enhancing behaviors, and demonstrate the ability to advocate for personal, family and community health.

- 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

3506A APPLIED HEALTH & WELLNESS

Applied 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
- Applied Units: 2 units maximum
- Counts as an Elective or Health & Wellness requirement for the Certificate of Completion

MATHEMATICS

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

2520A APPLIED ALGEBRA I

Applied Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of 4 strands: Numbers Sense, Expressions and Computation; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; and Quadratic and Exponential Equations and Functions. The strands are further developed by focusing on the content of the Algebra content connectors.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as a Math Requirement for the Certificate of Completion

ALGEBRA II & ALGEBRA II ES

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 seven 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: 10, 11, 12
- Prerequisite: Algebra I
- Recommended Prerequisite: Geometry
- Credits: 2 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas
- Fulfills the Algebra II requirement for all diplomas

- NOTE: Algebra II ES is based on instructor recommendation and students should have no lower than a B- average in math

CALCULUS – Dual Credit: MATH 215 IU

2527 (CALC)

Calculus expands a student's knowledge of topics like functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, trigonometry, etc. Calculus is made up of five strands: Limits and Continuity; Differentiation; Applications of Derivatives; Integrals; and Applications of Integrals. 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: 11, 12
- Prerequisite: Pre-Calculus and Trigonometry
- Credits: 2 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas

NOTE: For dual credit course, it is recommended to have completed PreCalculus: Algebra Math 136 IVY TECH and PreCalculus: Trigonometry Math 137 IVY TECH

FINITE MATHEMATICS – Dual Credit: MATH 135 IVY TECH

2530 (FINITE)

Finite Mathematics is a collection of mathematical topics, frequently used in business or public policy contexts. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Finite Math is made up of five strands: Sets, Matrices, Networks, Optimization, and Probability. The skills listed in these strands indicate what students should know and be able to do in Finite Math. 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: 11, 12
- Prerequisites: Algebra II & Geometry
- Credits: 1
- Counts as a Mathematics Course for all diplomas
- Note: For College Credit must have a B average in math and must have one of the following test scores or demonstrate competency through the Ivy Tech Knowledge Assessment:
 - 24 ACT Math

- 550 SAT Math
- 27 PSAT Math (2016 or later)

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. Geometry is made up of seven strands: 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
- Prerequisites: Algebra I
- Credits: 2 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas
- Fulfills the Geometry requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas
- NOTE: Geometry ES is based on instructor recommendation and students should have no lower than a B- average in math

2532A APPLIED GEOMETRY

Applied Geometry formalizes and extends students' geometric experiences from the middle grades. These critical areas comprise the Geometry course: 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
- Applied Units: 4 units maximum
- Counts as a Math Requirement for the Certificate of Completion

PRE-CALCULUS: ALGEBRA & PRE-CALCULUS: ALGEBRA – Dual Credit: MATH 136 IVY TECH

2564 (PRECAL AL)

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 provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Pre-Calculus is made up of five strands: Functions; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic Equations and Functions; Sequences and Series; and Conics. 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: 11, 12
- Prerequisite: Algebra II and Geometry
- Credits: 1 semester course, 1 credit per semester
- Counts as a Mathematics Course for all diplomas
- NOTE: for Dual Credit must have a B average in math and one of the following test scores or demonstrate competency through the Ivy Tech Knowledge Assessment:
 - 24 ACT Math
 - 550 SAT Math
 - 27 PSAT Math (2016 or later)

QUANTITATIVE REASONING – Dual Credit: MATH 123 IVY TECH

2550 (QUANT REAS)

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem solving, decision making, and economic productivity in real world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, should be used frequently. This higher-level mathematics course is designed to align with college-level quantitative reasoning courses for dual secondary/college credit. 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: 11, 12
- Required Prerequisites: Algebra II & Geometry
- Credits: 1 to 2 semester course, 1 credit per semester. Due to the level of rigor, it is recommended that this course be offered as a 2 semester, 2 credit course.
- Counts as a Mathematics Course for all diplomas

· Note: for Dual Credit must have one of the following scores or demonstrate competency through the Ivy Tech Knowledge Assessment:

- 18 ACT Math
- 500 SAT Math
- 25 PSAT Math (2016 or later)

PRECALCULUS: TRIGONOMETRY & PRECALCULUS: TRIGONOMETRY – Dual Credit Math 137 IVY TECH

2566 (PRECAL TRIG)

Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, and finance (and nearly all other STEM disciplines). Trigonometry consists of six strands: Unit Circle; Triangles; Periodic Functions; Identities; Polar Coordinates and Complex Numbers; and Vectors. Students will advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates. A strong understanding of complex and imaginary numbers is a necessity for fields such as engineering and computer programming. 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: 11, 12
- Recommended Prerequisites: Precalculus: Algebra Math 136 Ivy Tech
- Prerequisites: Algebra II, Geometry
- Credits: 1 semester course, 1 credit per semester
- Student should not receive credit for both Trigonometry and Pre-Calculus/Trigonometry since they cover the same course content during one semester
- Counts as a Mathematics course for all diplomas
- NOTE: for Dual Credit must have a B average in math and one of the following test scores or demonstrate competency through the Ivy Tech Knowledge Assessment:
 - 24 ACT Math
 - 550 SAT Math
 - 27 PSAT Math (2016 or later)

AP STATISTICS

2570

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: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: 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

MULTIDISCIPLINARY

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

0500A APPLIED BASIC SKILLS DEVELOPMENT

Applied 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, (9) employability skills, which are essential for high school achievement and post secondary outcomes. Determination of the

skills to be emphasized in this course is based on Indiana's standards and Content Connectors, 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 and may be applied using instructional practices related to community based instruction.

- Recommended Grade Level: 11, 12
- Applied Units: 8 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

CAREER EXPLORATION INTERNSHIP

0530 (CARR EXP)

The Career Exploration Internship course is a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interest. Unlike a cooperative education program in which students gain expertise in a specific occupation, the career exploration internship is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in 1) regularly scheduled meetings with their classroom teacher, or 2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties – the student, parent, employer, and instructor.

- Recommended Grade Level: 11, 12
- Recommended Prerequisite: Preparing for College and Careers; Career Information and Exploration
- Credits: 1 semester course, 1-3 credits per semester, may be taken for multiple semesters
- This course may be taken for additional semesters to allow students to explore additional career areas.
- A minimum of 85 hours of workplace and classroom activities are required for one credit; 170 hours are required for the two credits. Of the 85 or 170 hours, 18 to 36 hours (at least 1 hour a week or the equivalent over a semester or year) must be spent in related classroom instruction. Schools on block schedules may proportionately adjust the total number of hours per week to meet the local standard, provided that students spend at least one hour a week in classroom activities.
- Counts as a Directed Elective or Elective for all diplomas
- This course is exploratory in nature and, as such, does not qualify for reimbursement under the career- technical (vocational) funding formula.

0530A APPLIED CAREER EXPLORATION

The Applied Career Exploration Internship course is a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interest. Unlike a cooperative education program in which students gain expertise in a specific occupation, the career exploration internship is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in 1) regularly scheduled meetings with their classroom teacher, or 2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties – the student, parent, employer, and instructor.

- Recommended Grade Level: 11, 12
- Applied Units: 4 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

CAREER INFORMATION AND EXPLORATION (PROPOSED NEW COURSE - WAITING ON CURRICULUM COMMITTEE TO VERIFY)

0522 (CARR INFO)

Career Information and Exploration provides students with opportunities to learn about themselves and about various traditional and nontraditional occupations and careers. Students also gain an awareness of the type of

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occupational preparation or training needed for various occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) career decision making and planning.

Opportunities are provided for students to observe and participate in various job situations through opportunities such as field trips, internships, mock interviews, and guest speakers. Resume development experience and career-related testing are also provided to students.

- Recommended Grade Level: 9, 10
- Recommended Prerequisites: Preparing for College and Careers
- Credits: 1 semester course, 1 credit per semester
- The nature of this course allows for successive semesters of instruction provided progressively advanced proficiencies and content standards are utilized.
- Counts as a Directed Elective or Elective for all diplomas

0522A APPLIED CAREER INFORMATION AND EXPLORATION

Applied Career Information and Exploration provides students with opportunities to learn about themselves including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and

(3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as community based instruction, internships, mock interviews, and guest speakers. Portfolio and resume development experience and career-related assessments may also be provided to students.

- Recommended Grade Level: 9,10,11, 12
- Applied Units: 4 units maximum
- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion

0524 COMMUNITY SERVICE (COMM SERV)

Community Service is a course created by public law IC 20-30-14. Community service allows students in grades nine through twelve (HEA 1629) the opportunity to earn up to two high school credits for completion of approved community service projects or volunteer service that “relates to a course in which the student is enrolled or intends to enroll.” For each student who wishes to earn credit for community service or volunteer service under this law, the student, a teacher of the student, or a community or volunteer service organization must submit an application to the high school principal including:

1. Name of the community service organization or volunteer service organization the student intends to assist.
2. Name, address, and telephone number of the director or supervisor of the community service organization or volunteer service organization and, if different from the director or supervisor, the name, address, and telephone number of the individual assigned by the community or volunteer service organization to supervise the student at the activity site.
3. Nature of the community service or volunteer service performed by the student with a certification that the service performed by the student is voluntary.
4. Total number of hours the student intends to serve the community service organization or volunteer service organization during the school year.
5. Written statement by the director or supervisor of the community service organization or volunteer service organization certifying that the information included in the application is an accurate reflection of:
 - a. The student's expectations with regard to the number of hours of service contemplated to be performed; and
 - b. The community service organization's or the volunteer service organization's need to acquire the student's service.
7. Description of:
 - a. The educational or career exploration benefits the student and the school should expect to gain, including the student learning standards to be achieved, from the student's community or volunteer service participation; and
 - b. The service and benefit the community service organization or volunteer service organization expects to gain from the student's participation.
8. Description of how the community or volunteer service activity relates to a course in which the student is enrolled or intends to enroll.
9. Manner and frequency in which the student and the community or volunteer service activity will be evaluated.

10. Name of the certificated school employee who will be responsible for monitoring and evaluating the student's activity and performance and assigning the student a grade for participation under this section.

11. Any other information required by the principal/school administration.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, up to 2 semesters, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
- Students must submit an application for this course by November 1.

PEER TUTORING

0520 (PEER TUTR)

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

PHYSICAL EDUCATION

ELECTIVE PHYSICAL EDUCATION (L) (Weights, Lifetime, Pilates/Yoga, Advanced Cardio Fitness)

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 cardio-respiratory 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 with grades no lower than a B- or teacher recommendation
- 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.

3560A APPLIED ELECTIVE PHYSICAL EDUCATION

Applied 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 cardio-respiratory 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. 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. With staff support, students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness and includes self-monitoring. Ongoing assessment may include individual progress and/or performance-based skill evaluation.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 8 units maximum
- Counts as the Health & Wellness Requirement for the Certificate of Completion

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 of which are within the framework of the skills, knowledge and confidence needed by the student for a lifetime of healthful physical activity 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

3542A APPLIED PHYSICAL EDUCATION I

Applied 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 individual progress and performance-based skill evaluation.

- Recommended Grade Level; 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as the Health & Wellness requirement for the Certificate of Completion

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, all of which are within the framework of the skills, knowledge and confidence needed by the student for a lifetime of healthful physical activity 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: 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.

3544A APPLIED PHYSICAL EDUCATION II

Applied 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, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

- Recommended Grade Level; 9, 10, 11, 12
- Applied Units: 2 units maximum
- Counts as the Health & Wellness requirement for the Certificate of Completion

SCIENCE

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
- Prerequisites: Biology (B- or higher)
- Credits: 1 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

- Fulfills a science course requirement for all diplomas

BIOLOGY I (L) & BIOLOGY I ES

3024 (BIO I)

Biology I is a course based on the following core topics: cellular structure and function, matter cycles and energy transfer; interdependence; inheritance and variation in traits; 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: 9 & 10
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills the Biology requirement for all diplomas
- Note: In order to take BIOLOGY I ES, teacher recommendation is necessary

3024A APPLIED BIOLOGY I

Applied 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: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as a Science Requirement for the Certificate of Completion

ADV BIOLOGY – Dual Credit: ADV BIO – BIOL 101 IVY TECH

3026 (BIO II)

Biology II is an advanced laboratory, field, and literature investigations-based course. Students enrolled in Biology II examine in greater depth the structures, functions, and processes of living organisms. Students also analyze and describe the relationship of Earth's living organisms to each other and to the environment in which they live. In this course, students refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of the unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences.

- Recommended Grade Level: 10, 11
- Recommended Prerequisites: Biology I

- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science course requirement for all diplomas

CHEMISTRY I – NOT DUAL CREDIT – HIGH SCHOOL CREDIT ONLY

3064 (CHEM I)

Chemistry I is a course based on the following core topics: properties and states of matter; atomic structure and the Periodic Table; bonding and molecular structure; reactions and stoichiometry; behavior of gases; thermochemistry; solutions; acids and bases. 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 an Elective for all diplomas
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

CHEM – Dual Credit: CHEM – CHEM 101 IVY TECH

3066

Chemistry is a course based on the following core topics: properties and states of matter; atomic structure and the Periodic Table; bonding and molecular structure; reactions and stoichiometry; behavior of gases; thermochemistry; solutions; acids and bases. 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 an Elective for all diplomas

- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

ADV CHEM – Dual Credit: ADV CHEM – CHEM 105 IVY TECH

3060

Advanced Chemistry I is a course based on the following core topics: properties and states of matter; atomic structure and the Periodic Table; bonding and molecular structure; reactions and stoichiometry; behavior of gases; thermochemistry; solutions; acids and bases. 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
- Required Prerequisites: Chem 101 IVY TECH, Math 136 & Math 137 IVY TECH
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

EARTH AND SPACE SCIENCE I (L)

3044 (EAS SCI I)

Earth and Space Science I is a course focused on the following core topics: universe; solar system; Earth cycles and systems; atmosphere and hydrosphere; solid Earth; Earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. 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: 11, 12
- Recommended Prerequisite: 2 credits Biology
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science course requirement for all diplomas

3044A APPLIED EARTH SPACE SCIENCE I

Applied Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation and experimentation by conducting investigations and evaluating and communicating the results of those investigations. Course may include a variety of learning experiences and tools to support the process of investigation, data collection and analysis.

- Recommended Grade Level: 9, 10, 11, 12
- Applied Units: 4 units maximum
- Counts as an Elective or Science Requirement for the Certificate of Completion

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 environmental systems, flow of matter and energy, natural disasters, environmental policies, biodiversity, population, pollution, and natural and anthropogenic resource cycles. 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: 2 semesters Biology
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a 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: constant velocity; uniform acceleration; Newton's Laws of motion (one dimension); energy; particle theory of matter; describing substances; representing chemical change; electricity and magnetism; waves; nuclear energy. 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 science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

PHYSICS I (L) – Dual Credit: SCIN 111 IVY TECH

3084 (PHYS I)

Physics I is a course focused on the following core topics: constant velocity; constant acceleration; forces; energy; linear momentum in one dimension; simple harmonic oscillating systems; mechanical waves and sound; simple circuit analysis. 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

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by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

- Recommended Grade Level: 10, 11, 12
- Recommended Prerequisites: Algebra I
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

SOCIAL STUDIES

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
- Fulfills the Economics requirement for all diplomas
- Qualifies as a quantitative reasoning course

1514A APPLIED ECONOMICS

Applied Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course identifies economic 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. Students may be offered opportunities to better understand and apply course content through a variety of instructional strategies including project- and community-based instruction and real world experiences.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

ETHNIC STUDIES

1516 (ETH STUDIES)

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups, or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include analysis of the political impact of ethnic diversity in the United States.

- Recommended Grade Level: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit
- Counts as an Elective for all diplomas
- Must be offered at least once per school year

GEOGRAPHY AND HISTORY OF THE WORLD

1570 (GEO-HST WLD)

Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions.

Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. The historical geography concepts used to explore the global themes include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution/patterns and interaction/relationships.

Students use the knowledge, tools, and skills obtained from this course in order to analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help

Students prepare Indiana students for the 21 Century.

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

1570A APPLIED GEOGRAPHY AND HISTORY OF THE WORLD

Applied Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to apply their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions.

Geographical and historical skills include forming research questions, acquiring information by investigating a variety sources, organizing information by creating graphic representations, analyzing information to understand, determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. Students use the knowledge, tools, and skills obtained from this course in order to understand, analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

- Recommended Grade Level: none
- Applied Units: 4 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

INDIANA STUDIES

1518 (IN STUDIES)

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

- Recommended Grade Level: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Must be offered at least once per school year

1518A APPLIED INDIANA STUDIES

Applied Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. Examination of individual leaders (state or local) and their roles in a democratic society will be included. Students will examine the participation of citizens in the political process to understand their role. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

- Recommended Grade Level: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion
- Must be offered at least once per school year

PSYCHOLOGY – Dual Credit: PSYCH 101 IVY TECH

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

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

ADVANCED SOCIAL SCIENCES, COLLEGE CREDIT

1574

Intro to Philosophy

Intro to Ethics

Advanced Social Sciences, College Credit is a title covering (1) any advanced social sciences course offered for credit by an accredited post-secondary institution through an adjunct agreement with a secondary school or (2) any other post-secondary social sciences course offered for dual credit under the provisions of 511 IAC 6-10.

- Recommended Grade: 12

- Required Prerequisites: none
- Recommended Prerequisites: United States History or History and World Civilizations
- Credits: 1 semester course, 1 credit per semester. may be offered for successive semesters
- Counts as an Elective for all diplomas
- Courses that use this title are most often those taught through the post-secondary campus, taught either online or in traditional settings or a combination; and taught by higher education faculty.
- Courses that use this title are those that do not meet specific high school standards for a corresponding high school course, as they are standards beyond what is taught in the high school.

UNITED STATES GOVERNMENT & ADVANCED UNITED STATES GOVERNMENT - DUAL CREDIT: POLS 101 IVY TECH

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 and understand 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

1540A APPLIED UNITED STATES GOVERNMENT

Applied 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 recognize their own impact, 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
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

UNITED STATES HISTORY & ADVANCED US HISTORY – Dual Credit: HIST 106 IU

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

1542A APPLIED UNITED STATES HISTORY

Applied United States History is a course that builds upon concepts 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 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 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 specific topics or the cause for changes in the nation over time.

- Recommended Grade Level: none
- Applied Units: 4 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

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.

Students are also expected to practice and process skills of historical thinking and research and apply content knowledge to the practice of thinking and inquiry skills and processes. There will be continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history.

- 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

WORLD LANGUAGES

FRENCH I

2020 (FREN I)

French I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning French language learning, and to various aspects of French-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 French-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 French language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12
- Prerequisites: A grade of 70% in English the year before.
- 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

FRENCH II

2022 (FREN II)

French II, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for French 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 French-speaking culture; report on basic family and social practices of the target culture; and

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describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding French language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12
- Required Prerequisites: Passing grade in French 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

FRENCH III – Dual Credit: FREN 101 IVY TECH & FREN 102 IVY TECH

2024 (FREN III)

French III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for French 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 French-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 French language and culture outside of the classroom.

- Recommended Grade Level: 9, 10, 11, 12

- CHS Required Prerequisites: A grade of a 70% or better in each semester of French 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

Ivy Tech Prerequisites:

Program Ready Writing: A student is program ready in writing if he/she has one of the following:

- ACCUPLACER Standard 80 sentence skills
- ITCC ACCUPLACER Diagnostic Write Placer 4
- ACT 17 English
- SAT 460 Writing
- PSAT 2014 and earlier 46 Writing Skills
- PSAT 2015 and forward 26 Writing Skills
- High School GPA 2.6 4 point scale or 7.8 12 point scale, Core 40, six semesters completed

Program Ready Reading: A student is program ready in reading if he/she has one of the following:

- ACCUPLACER Standard 76 reading
- IDOE/ITCC ACCUPLACER Diagnostic 69
- ACT 18 Reading
- SAT 460 Reading
- PSAT 2014 and earlier 46 Critical Reading
- PSAT 2015 and forward 25 Critical Reading
- High School GPA 2.6 4 point scale or 7.8 12 point scale, Core 40, six semesters completed
- Program Ready English: Knowledge Assessment 70

FRENCH IV – Dual Credit: FREN 201 IVY TECH & FREN 202 IVY TECH

2026 (FREN IV)

French IV, a course based on Indiana’s Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of French-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student’s own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the French language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native French speakers.

- Recommended Grade Level: 10, 11, 12
- CHS Required Prerequisites: A grade of a 70% or better in each semester of French 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

Ivy Tech Prerequisites:

FREN 102 French Level II or WebCAPE 337

Program Ready Writing: A student is program ready in writing if he/she has one of the following:

- ACCUPLACER Standard 80 sentence skills
- ITCC ACCUPLACER Diagnostic Write Placer 4
- ACT 17 English
- SAT 460 Writing
- PSAT 2014 and earlier 46 Writing Skills
- PSAT 2015 and forward 26 Writing Skills

- High School GPA 2.6 4 point scale or 7.8 12 point scale, Core 40, six semesters completed

Program Ready Reading: A student is program ready in reading if he/she has one of the following:

- ACCUPLACER Standard 76 reading
- IDOE/ITCC ACCUPLACER Diagnostic 69
- ACT 18 Reading
- SAT 460 Reading
- PSAT 2014 and earlier 46 Critical Reading
- PSAT 2015 and forward 25 Critical Reading
- High School GPA 2.6 4 point scale or 7.8 12 point scale, Core 40, six semesters completed

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
- Prerequisites: **A grade of 70% in English the year before.**
- 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
- CAP: 150 students

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

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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: Passing grade in 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
- CHS Required Prerequisites: A grade of a 70% or better in each semester of 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
- 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 IV

2126 (SPAN IV)

Spanish IV, a course based on Indiana's Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of Spanish-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student's own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the Spanish language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native Spanish speakers.

- Recommended Grade Level: 9, 10, 11, 12
- CHS Required Prerequisites: A grade of a 70% or better in each semester of 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