

PARKE HERITAGE HIGH SCHOOL

2023-2024

CURRICULUM GUIDE

YOUR RESOURCE FOR HIGH SCHOOL, COLLEGE & CAREER PLANNING



PARKE HERITAGE HIGH SCHOOL (765) 569-4100
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PHHS WEBSITE

<https://phhs.ncp.k12.in.us>

Check out our website for the student handbook, calendars, bell schedules, sports schedules, staff contact information, scholarships, club and activity news and other announcements.

<https://phhs.ncp.k12.in.us/>

Follow us! Facebook, Parke Heritage High School
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Students and Parents:

Parke Heritage High School offers a wide variety of courses and pathways to help meet the needs of ALL students. Multiple options include programs in Vocational Careers, Business, College preparation including dual credit classes, Advanced Placement Classes; Project Lead the Way programs; Special Education; and Alternative programs for students, including an Online program.

This guide will provide you with course descriptions for academic, career, special education and alternative options. Also included are topics such as program descriptions, weighted grades, graduation requirements, college requirements, and different diplomas offered at Parke Heritage High School.

THE SCHEDULING PROCEDURE

Students and parents are encouraged to carefully read this Curriculum Guide. Students will meet with their counselors January through March to assess the students' current educational progress, plan future goals and select classes for the coming year that will enable students to realize their goals.

Students will bring home a list of courses to request for the coming year. Parents should then discuss the requested classes with their child; contact the student's counselor if any clarification is needed; review the student's 4-year plan in Harmony. **This provides course requests, and is not the student's schedule for next year. Please view the information video if needed:

<https://vimeo.com/254389715>

*****Please Give Careful Thought to This Process***** In order to plan the master schedule and to make staffing decisions, the school uses information from the Lists of Requested Classes. The school will make schedule adjustments, as needed.

PROCEDURE FOR CHANGING A CLASS

The student must have a full course load, which consists of at least six credits per semester. Changes are discouraged, and in most instances not permitted, after the schedule is set for the coming year. The master schedule is generated and teachers assigned based upon the course selections students made in the spring. If schedule changes should become necessary for a valid reason it will be taken care of in an individual consultation involving the student and a school counselor.

GENERAL INFORMATION

GRADES

The purpose of a grade is to indicate the extent to which the student has acquired the necessary learning. In general, students are assigned grades based upon test results, homework, projects and classroom participation. Each teacher may place a different emphasis on these areas in determining a grade and will so inform the students at the beginning of the course work. If a student is not sure how his/her grade will be determined, he/she should ask the teacher. The school year is divided into four (4) nine-week grading periods.

The marks used and values are:

A+ = 99-100%	A+ = 4.334
A = 93-98%	A = 4.000
A- = 90-92%	A- = 3.667
B+ = 88-89%	B+ = 3.334
B = 83-87%	B = 3.000
B- = 80-82%	B- = 2.667
C+ = 78-79%	C+ = 2.334
C = 73-77%	C = 2.000
C- = 70-72%	C- = 1.667
D+ = 68-69%	D+ = 1.334
D = 63-67%	D = 1.000
D- = 60-62%	D- = .667
F = 0-59%	F = 0.00

GPA Values: Grade point averages are computed on the number of courses attempted.
The 4.0 scale is used to compute G.P.A. G.P.A Values are: A+=4.334, A=4, A-=3.667, B+=3.334, B=3, B-=2.667, C+=2.334, C=2, C-=1.667, D+=1.334, D=1, D-=.667, F=0. 2)

Weighted Course Bonus: receive one bonus point added to the GPA Value -Courses are weighted to encourage rigor, and college and career readiness. Weighted Courses being offered: All AP Courses and All College Credit Courses *College Credit courses will receive one weight point per course not per credit

Students that receive a passing grade in these courses will earn an additional weight of 1 point added to the GPA value on 4-point scale: A+=5.334, A=5.0, A-=4.667, B+=4.334, B=4.0, B-=3.667, C+=3.334, C=3.0, C-=2.667, D+=1.667, D=1.0, D-=.334

POSTSECONDARY CREDIT FOR HIGH SCHOOL STUDENTS

Parke Heritage High School students may enroll in approved college programs and receive both high school and college credit (Dual Credit). PHHS courses available for dual credit are noted as “DC” in their description (though these opportunities can change from year to year).

PARKE HERITAGE EARLY COLLEGE

Parke Heritage Early College High School, the Early College entity for students at Parke Heritage High School, strives to empower students in the following ways:

- Attainment of dual credit that advances students towards higher education degrees and/or certifications
- Development of academic skills necessary for successful college experiences
- Preparation for the financial, social, and cultural challenges students will experience in college and the workforce.

Students that take full advantage of the Early College High School program could earn at least 30 Statewide Indiana College Core credits that will transfer to almost all colleges and universities which means they can accomplish most of their freshman year college requirements in high school. Students will also be able to take advantage of various vocational certification tracks that may even lead to an associate’s degree or certification when they graduate high school.

Ivy Tech will be the primary partner with NCP Schools and has placed a full time College Connection Coach in Parke County to work directly with NCP students in developing their Early College High School plans. IU ACP and ISU will also be a significant Early College High School partner with NCP schools.

Ivy Tech dual credit courses are free for students if our NCP teacher is credentialed to teach the course. IU ACP and ISU dual credit courses cost \$25 a credit or \$75 for a 3 credit course, which is significantly less than the on campus rate. The IU ACP and ISU course fee is waived for Free and Reduced students. Opportunities will also be available for high school students to attend courses at the Parke County Learning Center, and efforts are underway to offer these courses at a reduced rate.

There is a minimum test score requirement for many of the Ivy Tech dual credit courses. The test utilized most often to meet this requirement is Knowledge Assessment (KA). Every effort will be made by the NCP and Ivy Tech Staff to ensure students receive necessary preparation and remediation for this testing. The testing requirement may also be met with PSAT and or SAT/ACT scores. As information on the Early College program develops, it will be updated on the NCP website at: <http://www.ncp.k12.in.us/District/Department/25-Early-College-High-School>. An outline of ICC is also available on the website, along with the application to NCP’s Early College.

ADVANCED PLACEMENT PROGRAM (AP)

The Advanced Placement Program (AP) gives students an opportunity to take college-level courses and exams while they are still in high school. Through successful completion of AP classes, a student may earn credit, advanced placement, or both for college. Credit is earned through AP Exams, which are given the first two weeks in May. There are many benefits for students who participate in AP. Any Advanced Placement course will be designated with AP before the course title.

CREDIT RECOVERY

Credit recovery is a class that enables students to recover credits by completing online courses. Classes offered include: English 9/10/11/12, Algebra 1, Algebra II, Geometry, Pre- Calc, Biology, Chemistry, Earth Space Science, ICP, Government, Economics, U.S. History, World History, and Health.

ALTERNATIVE EDUCATION

Parke Heritage High School maintains a state accredited Alternative Education Program within the building to offer an academic program designed to meet the needs of the at-risk students who are not succeeding in the traditional setting. Students are provided with a variety of options that can lead to graduation and are supported by services essential to success. The curriculum for the PHHS Alt Ed Program is provided through Edmentum PLATO Online Curriculum. Please refer to the "Parke Heritage High School Alternative Education Program" handbook for more details.

SUMMER SCHOOL

North Central Parke Schools may offer summer school options for students. The Superintendent will approve courses being offered. Students may obtain course and registration information through their respective Guidance Office.

CANVAS

Canvas is the LMS (Learning Management System) used by North Central Parke Community School Corporation. Each student and parent is provided with a Canvas username and password.

A link to Canvas is provided on the school website. Canvas is used for teachers to create lessons, stream content, and provide instruction through this multi-use electronic online platform. Teachers will also grade and give student feedback through Canvas. Student grades and data will translate to the Harmony SIS (Student Information System).

GRADUATION REQUIREMENTS

Core 40 Diploma	Core 40 with Technical Honors	Core 40 with Academic Honors
English: 8 Credits Credits in lit., comp., and speech	English: 8 Credits Credits in lit., comp., and speech	English: 8 Credits Credits in lit., comp., and speech
Math: 6 Credits (in grades 9-12) 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <i>Students must take a math or quantitative reasoning course each year in high school</i>	Math: 6 Credits (in grades 9-12) 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <i>Students must take a math or quantitative reasoning course each year in high school</i>	Math: 8 Credits (6 credits in grades 9-12) 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II 2 Additional credits in: Pre-Calculus or AP Calculus, AP Statistics <i>Students must take a math or quantitative reasoning course each year in high school</i>
Science: 6 Credits 2 credits: Biology I 2 credits: Chemistry I; Physics I; or Integrated Chemistry/Physics 2 credits: any Core 40 science course	Science: 6 Credits 2 credits: Biology I 2 credits: Chemistry I; Physics I; or Integrated Chemistry/Physics 2 credits: any Core 40 science course	Science: 6 Credits 2 credits: Biology I 2 credits: Chemistry I; Physics I; or Integrated Chemistry/Physics 2 credits: any Core 40 science course
Social Studies: 6 Credits	Social Studies: 6 Credits	Social Studies: 6 Credits
2 credits: US History 1 credit: US Gov. 1 credit: Economics 2 credits: World History	2 credits: US History 1 credit: US Gov. 1 credit: Economics 2 credits: World History	2 credits: US History 1 credit: US Gov. 1 credit: Econ (Honors) 2 credits: World History
Physical Education: 2 Credits	Physical Education: 2 Credits	Physical Education: 2 Credits
Health: 1 Credit	Health: 1 Credit	Health: 1 Credit
Directed Electives: 5 Credits World Languages Fine Arts Career/Technical	Career/Technical: 6 Credits State approved College and Career Pathway	World Language: 6-8 Credits
		Fine Arts: 2 Credits
Local Requirement: 1 Business class or personal finance credit	Local Requirement: 1 Business class or personal finance credit	Local Requirement: 1 Business class or personal finance credit
Electives: 6 Credits	Electives: 12 Credits	Electives: 6-8 Credits
TOTAL: 40 CREDITS	TOTAL: 47 CREDITS	TOTAL: 47 CREDITS

Class of 2019 and beyond: For all diploma types, students must pass the English & Math ISTEP or successfully complete the waiver process.

FOR THE CORE 40 WITH ACADEMIC HONORS DIPLOMA:

Complete all requirements for Core 40.

Earn 2 additional Core 40 math credits.

Earn 6-8 Core 40 world language credits
(6 credits in one language or 4 credits each in two languages).

Earn 2 Core 40 fine arts credits.

Earn a grade of a “C” or better in courses that will count toward the diploma.

Have a grade point average of a “B” or better.

Complete one of the following:

- A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
- B. Earn 6 verifiable transcribed college credits in dual credit courses from priority course list
- C. Earn two of the following:
 - 1. A minimum of 3 verifiable transcribed college credits from the priority course list,
 - 2. 2 credits in AP courses and corresponding AP exams,
 - 3. 2 credits in IB standard level courses and corresponding IB exams.
- D. Earn a combined score of 1250 or higher on the SAT math and evidence-based reading writing (ERW) sections and a minimum score of 560 on math and 590 on ERW.
- E. Earn an ACT composite score of 26 or higher and complete written section

FOR THE CORE 40 WITH TECHNICAL HONORS DIPLOMA:

Complete all requirements for Core 40.

Earn 6 credits in the college and career preparation courses in a state- approved College & Career Pathway and one of the following:

- A. Pathway designated industry-based certification or credential, or
- B. Pathway dual credits from the lists of priority courses resulting in 6 transcribed college credits

Earn a grade of “C” or better in courses that will count toward the diploma.

Have a grade point average of a “B” or better.

Complete one of the following,

- A. Any one of the options (A - E) of the Core 40 with Academic Honors
- B. Earn the following scores or higher on WorkKeys; Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information-Level 5.
- C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
- D. Earn the following minimum score(s) on Accuplacer; Algebra 6, Writing 70, Reading 80.

BUSINESS EDUCATION DEPARTMENT

Principles of Business-DC

4562 PRIN BUS 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): 9, 10, 11 • 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-DC

5914 MRKT FUND 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

Strategic Marketing- DC

5918 STRT MRKT 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): 10, 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

CAREER & TECHNICAL EDUCATION

PROJECT LEAD THE WAY – BIOMEDICAL SCIENCE PATHWAY

PLTW Biosciences courses count as science electives.

Principles of Biomedical Sciences

5218 PRIN BIOMED Principles of the Biomedical Sciences provides an introduction to this field through “hands-on” projects and problems. Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person’s life. Key biological concepts included in the curriculum are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Engineering principles such as the design process, feedback loops, fluid dynamics, and the relationship of structure to function will be included where appropriate. The course is designed to provide an overview of all courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses. NOTE: This course aligns with the PLTW Principles of Biomedical Sciences curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network. • Recommended Grade(s): 9 • Required Prerequisites: Biology I or concurrent enrollment in Biology I is required • Recommended Prerequisites: none • Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Fulfills a science requirement for all diplomas • Counts as a directed elective or elective for all diplomas

Human Body Systems

5216 HUMAN SYST Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions. This course aligns with the PLTW Human Body Systems curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network. • Recommended Grade(s): 10 • Required Prerequisites: Principles of Biomedical Sciences • 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 • Fulfills a science requirement for all diplomas

Medical Interventions

5217 MED INTERV Medical Interventions is a course that studies medical practices including interventions to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions. Lessons will cover the history of organ transplants and gene therapy with additional readings from current scientific literature addressing cutting edge developments. This

course aligns with the PLTW Medical Interventions curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network. • Recommended Grade(s): 11 • Required Prerequisites: Principles of Biomedical Sciences • 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 • Fulfills a science requirement for all diploma types

AGRICULTURE SCIENCE AND BUSINESS

Principles of Agriculture-DC

7117 PRIN AG Principles of Agriculture is a two-semester course that will cover the diversity of the agricultural industry and agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore Agriculture, Food, and Natural Resource (AFNR) systems related to the production of food, fiber and fuel and the associated health, safety and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course in order to develop leadership and career ready skills. • Recommended Grade(s): 9, 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 credits for all diplomas

Precision Agriculture-DC

7116 PREC AG Precision Agriculture describes the purpose and concepts of precision agriculture and precision farming through classroom and lab-based instruction. It involves understanding and operation of the various precision agriculture tools including GPS, GIS, and VRT. Students will learn how to collect data, analyze data and use the information to make decisions. Provides an understanding and justifications that demonstrate the economic and environmental benefits of precision agriculture. The Precision Agriculture course also incorporates the use of UAVs. Students will demonstrate UAV competency and handling in order to achieve the Part 107 UAS certification. • 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

Animal Science-DC

5008 ANML SCI Animal Science is a two-semester course that provides students with an overview of the animal agriculture industry. 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 may be applied to both large and small animals. Topics to be covered in the course include: history and trends in animal agriculture, laws and practices relating to animal agriculture, comparative anatomy and physiology of animals, biosecurity threats and interventions relating to animal and human safety, nutrition, reproduction, careers, leadership, and supervised agricultural experiences relating to animal agriculture. • 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 for all diplomas • Fulfills a science course requirement for all diplomas

Plant and Soil Science-DC

5170 PLT SL SCI 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, 218 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 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(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 for all diplomas • Fulfills a science course requirement for all diplomas

Advanced Life Science, Animals-DC

5070 ALS ANIML 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(s): 11, 12 • Required Prerequisites: Principles of Agriculture*; or Principles of Veterinary Science* • Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources; Animal Science; Biology; Chemistry; Integrated Chemistry Physics • Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Fulfills a science requirement for all diplomas • Counts as a quantitative reasoning course • Counts as an elective or directed elective for all diplomas..

Advanced Life Science, Plants and Soils- DC

5074 ALS PLT/SL Advanced Life Science: Plants and Soils is a two semester course that provides students with opportunities to participate in a variety of activities including laboratory work. Students study concepts, principles, and theories associated with plants and soils. Knowledge gained enables them to better understand the workings of agricultural and horticultural practices. They recognize how plants are classified, grow, function, and reproduce. Students explore plant genetics and the use of plants by humans. They examine plant evolution and the role of plants in ecology. Students investigate, through laboratories and fieldwork, how plants function and how soil influences plant life. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Agriculture* • Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources; Plant and Soil Science; Biology; Chemistry • Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Fulfills a science requirement for all diplomas • Counts as a quantitative reasoning course • Counts as an elective or directed elective for all diplomas.

Landscape and Turf Management- DC

7115LAND TUR MAN Landscape and Turf Management is a two-semester course that provides the student with an overview of the many career opportunities in the diverse field of landscape and turf 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. 222 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 • 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

Horticulture Science- DC

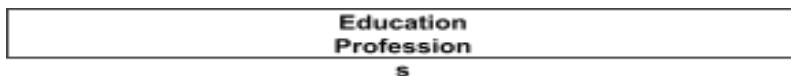
5132 HORT SCI Horticulture Science is a two semester course that provides students with a background in the field of horticulture. Coursework includes hands-on activities that encourage students to investigate areas of horticulture as it relates to the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Students are introduced to the following areas of horticulture science: reproduction and propagation of plants, plant growth, growth-media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest, greenhouse management, floral design, and pest management. Students participate in a variety of activities including extensive laboratory work usually in a school greenhouse. • 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 for all diplomas.

Crop Management- DC

7113 CROP MAN Crop Management will provide an understanding of plant nutrient requirements and how to provide for those needs to achieve efficient crop production through classroom and lab-based instruction. Students will understand proper fertilizer materials, application methods and techniques. Instruction on soil analysis by demonstrating proper soil testing techniques which will be used to create fertility plans for proposed crops. Integrated pest management and the evaluation of various pest controls with minimal impact on the environment will also be an emphasis of the course. • 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 science credit

Agribusiness Management- DC

5002 Agribusiness Management AG BUS MGMT 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 the utilization of technology. Concepts covered in the course include accounting and record keeping, business planning and management, food and fiber, forms of business, finance, management, sales and marketing, careers, and leadership development. Students will demonstrate principles and techniques for planning, development, application and management of agribusiness systems through a supervised agriculture experience (work-based learning) programs. • Recommended Grade(s): 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources • Credits: Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Counts as an elective or directed elective for all diplomas. • Qualifies as a quantitative reasoning course



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Education Professions I

5408 ED PROF I Education Professions I provides the foundation for employment in education and related careers and prepares students for study in higher education. An active learning approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of education and related careers. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Exploratory field experiences in classroom settings and career portfolios are required components. A standards-based plan guides the students' field experiences. Students are monitored in their field experiences by the Education Professionals I teacher. Articulation with post-secondary programs is encouraged. • Recommended Grade(s): 11,12 • Required Prerequisites: none • Recommended Prerequisites: Nutrition and Wellness; Child Development, Advance Child Development; and Interpersonal Relationships • Credits: Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Counts as a directed elective or elective for all diplomas

Education Professions II

5404 ED PROF II Education Professions II prepares students for employment in education and related careers and provides the foundation for study in higher education in these career areas. An active learning approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of education and related careers. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Extensive field experiences in one or more classroom settings, resumes, and career portfolios are required components. A standards-based plan guides the students' field experiences. Students are monitored in their field experiences by the Education Professions II teacher. Articulation with post-secondary programs is encouraged. • Recommended Grade(s): 12 • Required Prerequisites: Education Professions I • Recommended Prerequisites: none • Credits: Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Counts as a directed elective or elective for all diplomas

Educations Professions 1- 3 course sequence- Vocational- DC

Principles of Teaching- Vocational DC

7161 PRIN TEACH This course provides a general introduction to the field of teaching. Students will explore educational careers, teaching preparation, and professional expectations as well as requirements for teacher certification. Current trends and issues in education will be examined. A minimum 20 hour classroom observation experience is required for successful completion of this course. • 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

Child and Adolescent Development- Vocational DC

7157 CHLD ADL DEV Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture and the media are discussed. An observation experience up to 20 hours may be required for completion of this course. This course has been approved to be offered for dual credit. Students pursuing this course for dual credit are still required to meet the minimum prerequisites for the course and pass the course with a C or better in order for dual credit to be awarded. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Teaching • 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 diploma

The Exceptional Child- Vocational DC

7162 TEACH LRN Teaching and Learning provides students the opportunity to apply many of the concepts that they have learned throughout the Education Professions pathway. In addition to a focus on best practices, this course will provide an introduction to the role that technology plays in the modern classroom. Through hands-on experience with educational software, utility packages, and commonly used microcomputer hardware, students will analyze ways to integrate technology as a tool for instruction, evaluation, and management. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Teaching • 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

Education Professions II- Vocational DC

Education Professions Capstone- Vocational DC

7267 ED PROF CAP The Education Professions Capstone provides an extended opportunity for field experience to further apply concepts that have been presented throughout the pathway. Students will also have the opportunity to explore the topics of exceptional child and literacy development through children's literature. Students will gain a deeper understanding of inclusive teaching techniques along with policies, theories, and laws related to special education. Students interested in pursuing a career in Elementary Education are encouraged to also study the benefits of using children's literature in the classroom. This course may be further developed to include specific content for students interested in pursuing a career in secondary education. The course

should include a significant classroom observation and assisting experience. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Teaching; Child and Adolescent Development, Teaching and Learning • Recommended Prerequisites: none • Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum • Counts as a Directed Elective or Elective for all diploma

COSMETOLOGY

COSMETOLOGY 1 – 3 course sequence- Vocational Dual Credit

Principles of Cosmetology- Vocational DC

7330 PRIN COSMO Principles of Barbering and Cosmetology offers an introduction to cosmetology with emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring, business and personal ethics, and bacteriology and sanitation. Successful completion of the course requires at least 375 Cosmetology studio hours. • 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 • Principles and Fundamentals should be concurrently enrolled if offering for Dual Credits. This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.

Cosmetology Fundamentals- Vocational DC

7331 COSMO FUND Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Barbering and Cosmetology. Clinical application and theory in the science of barbering and cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Barbering and Cosmetology 300 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 • Recommended Prerequisites: none • Credits: 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 and Fundamentals should be concurrently enrolled. This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.

Advanced Cosmetology- Vocational DC

7332 ADV COSMO Advanced Cosmetology will emphasize the development of advanced skills in styling, hair coloring, permanent waving, facials, manicuring, chemical texturizing, and hair cutting techniques. Students will also further study anatomy and physiology as it applies to hair care professions. Successful completion of the course requires at least 375 studio hours. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Barbering and Cosmetology; Barbering and Cosmetology Fundamentals • 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 • This course should be co-enrolled with TSD. This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams

Cosmetology II- Vocational DC

7334 COSMO CAP Barbering and Cosmetology Capstone builds and improves previously developed skills with emphasis on developing individual techniques. Professionalism, shop management, psychology in relation to barbering and cosmetology, and preparation for state board examinations are stressed. Successful completion of the course requires at least 375 studio hours. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Barbering and Cosmetology; Barbering and Cosmetology Fundamentals; Advanced Cosmetology or Advanced Barbering • Recommended Prerequisites: none • 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 • This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.

AUTOMOTIVE TECHNOLOGY

Automotive Technology 1- 3 course sequence- Vocational DC

Principles of Automotive Services- Vocational DC

7213 Principles of Automotive Services PRIN AUTO SER This course gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. This course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics. • 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

Brake Systems- Vocational DC

7205 Brake Systems BRK SYS This course teaches theory, service and repair of automotive braking systems. This course provides an overview of various mechanical brake systems used on today's automobiles. This course will emphasize professional diagnosis and repair methods for brake systems. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Automotive Services • 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

Steering and Suspension- Vocational DC

7212 Steering and Suspensions STEER SUSP This course will study driveline theory and in-car service procedures. Theory and overhaul procedures related to the driveshaft and axle assemblies for front and rear wheel drive vehicles are included as well. Additionally, this course teaches theory, service and repair of automotive steering and suspension systems. It provides an overview of various mechanical, power, and electrical steering and suspension systems used on today's automobiles and will emphasize professional diagnosis and repair methods for steering and suspension systems. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Automotive Services; Brake Systems • Recommended Prerequisites: none • Credits: Credits: 2 semester course, 2

semesters required, 1 credit per semester, 2 credits maximum • Counts as a directed elective or elective for all diplomas

AUTOMOTIVE SERVICES TECHNOLOGY 2- Vocational DC

Automotive Services Capstone- Vocational DC

7375 Automotive Service Capstone AUTO SRV CAP This course further explores important skills and competencies within the Automotive Service Technology Pathway. Students will be exposed to an in-depth study of vehicle electrical systems. Students will study the fundamentals of electricity and automotive electronics in various automotive systems. Students will understand other topics such as Engine Repair, Climate Control, and Driveline Service. Additionally, co-op, and internship opportunities will be available for students. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Automotive Services; Brake Systems; Steering and Suspensions • Recommended Prerequisites: none • Credits: 2 semester course, 2 semester required, 1-3 credits per semester, 6 credits max • Counts as a Directed Elective or Elective for all diplomas

CONSTRUCTION TECHNOLOGY

Construction Technology 1- 3 course sequence- Vocational DC

Principles of Construction Trade- Vocational DC

7130 Principles of Construction Trades PRIN CON TR Principles of Construction Trades prepares students with the basic skills needed to continue in a construction trade field. Topics will include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic safety. Additionally students will study the roles of individuals and companies within the construction industry and reinforce mathematical and communication skills necessary to be successful in the construction field. • 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

Construction Trades: General Carpentry- Vocational DC

7123 Construction Trades: General Carpentry CON TRD GC Construction Trades: General Carpentry builds upon the skills learned in the Principles of Construction Trades and examines the basics of framing. This includes studying the procedures for laying out and constructing floor systems, wall systems, ceiling joist and roof framing, and basic stair layout. Additionally, students will be introduced to building envelope systems. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Construction Trades; or Principles of Architecture, Engineering and Construction • 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

Construction Trades: Framing and Finishing- Vocational Dual Credit

7122 Construction Trades: Framing and Finishing CON TRD FR FIN Construction Trades: Framing and Finishing prepares students with advanced framing skills along with interior and exterior finishing techniques. Topics include roofing applications, thermal and moisture protection, exterior finishing, cold-formed steel framing, drywall installation and finishing, doors and door hardware, suspended ceilings, window, door, floor, and ceiling trim, and cabinet installation. • Recommended Grade(s): 11, 12 • Required

Prerequisites: Principles of Construction Trades; Construction Trades: General Carpentry
 • 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

Construction Technology 2- Vocational DC

Construction Trades Capstone

7242 Construction Trades Capstone CSTR TR CAP The Construction Trades Capstone course covers the basics of electricity and working with concrete. Electrical topics include the National Electric Code, electrical safety, electrical circuits, basic electrical construction drawings, and residential electrical services. Students may also gain an understanding of concrete properties, foundations, slab-on-grades, and vertical and horizontal formwork. The course prepares students for the NCCER Carpentry Forms Level 3 and Electrical Level 1 certificates. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Construction Trades; Construction Trades: General Carpentry; and Construction Trades: Framing and Finishing • Recommended Prerequisites: none • 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 • Counts as a quantitative reasoning course

EMERGENCY MEDICAL SERVICES

EMERGENCY MEDICAL SERVICES 1- Vocational DC

Principles of Healthcare- Vocational DC

7168 Principles of Healthcare PRIN HLCR Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives. • 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

Medical Terminology- Vocational DC

5274 Medical Terminology MED TERMS Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including; appropriate and accurate meaning, spelling, and pronunciation of medical terms, and abbreviations, signs, and symbols. • Recommended Grade(s): 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 2 semesters required, 1 credit per semester, maximum of 2 credits • Counts as a Directed Elective or Elective for all diplomas

Emergency Medical Tech- Vocational DC

7165 Emergency Medical Tech EMT This course is based on the training program developed by the Department of Transportation and the Emergency Medical Services Commission of Indiana. It covers theories, techniques and operational aspects of pre-hospital emergency care within the scope and responsibility of the emergency medical technician (EMT). It requires laboratory practice and clinical observation in a hospital emergency room and ambulance. Successful completion of the course meets national requirements to test for certification as an NREMT. • Recommended Grade(s): 10, 11, 12 • Required Prerequisites: Principles of Healthcare; and Medical Terminology • 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 • Schools are strongly encouraged to offer the EMT course along with Principles of Healthcare and Medical Terminology as part of a 3 period block of time.

HEALTH SERVICES

Health Science Education 1- 3 course sequence- Vocational- DC

Principles of Healthcare- Vocational DC

7168 Principles of Healthcare PRIN HLCR Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives. • 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

Medical Terminology- Vocational DC

5274 Medical Terminology MED TERMS Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including; appropriate and accurate meaning, spelling, and pronunciation of medical terms, and abbreviations, signs, and symbols. • Recommended Grade(s): 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 2 semesters required, 1 credit per semester, maximum of 2 credits • Counts as a Directed Elective or Elective for all diplomas

Healthcare Specialist- Vocational DC

7166 Healthcare Specialist: CNA HC SPEC CAN The Healthcare Specialist: CNA prepares individuals desiring to work as nursing assistants with the knowledge, skills and attitudes essential for providing basic care in extended care facilities, hospitals and home health agencies under the direction of licensed nurses. The course will introduce students to the disease process and aspects of caring for a long-term care resident with dementia. Individuals who successfully complete this course are eligible to apply to sit for the

Indiana State Department of Health (ISDH) certification exam for nursing assistants. This course meets the minimum standards set forth by the ISDH for Certified Nursing Assistant training and for health care workers in long-term care facilities. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Healthcare • 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

Health Science Education II: Nursing- Vocational DC

Healthcare Specialist Capstone- Vocational DC

7255 Healthcare Specialist Capstone HC SPEC CAP The capstone course will provide Healthcare students with additional knowledge and skills necessary to work in a variety of health care settings beyond a long term care facility, including hospitals, doctor's offices and clinics. Students can accomplish this goal by completing coursework that will cover topics such as Medical Law and Ethics, Electronic Health Records, and/or Behavioral Health. Schools may offer additional healthcare certifications such as the 289 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 Certified Clinical Medical Assistant or Phlebotomy along with the coursework or in place of the coursework. • Recommended Grade(s): 12 • Required Prerequisites: Principles of Healthcare; Medical Terminology; Healthcare Specialist: CNA, EMT or Certified Clinical Medical Assistant (CCMA) • Recommended Prerequisites: none • Credits: 2 semester course, 2 semester required, 1-3 credits per semester, 6 credits max • Counts as a Directed Elective or Elective for all diplomas

Pharmacy

5214 Health Science Education II: Pharmacy HSE II PHARM 370 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 Health Science Education II: Pharmacy is an extended laboratory experience designed to provide students with the opportunity to assume the role of pharmacy technician and practice technical skills previously learned in the classroom; all while working at the student's choice of clinical site and under the direction of licensed pharmacists. These sites may include pharmacies found in grocery and drug stores, or in long term facilities. Throughout the course, students will focus on learning about the healthcare system and employment opportunities at a variety of entry levels; an overview of the healthcare delivery systems, healthcare teams, and legal and ethical considerations; and obtaining the knowledge, skills and attitudes essential for providing basic care in a variety of healthcare settings. Additionally, students will build their essential job related skills to; record patient information, count tablets and measure medications, mix medications or ointments, package and label prescriptions, accept payment and process insurance claims, and do routine pharmacy tasks such as organizing medications, inventory, taking phone calls, cleaning, and customer service. This course also provides students with the knowledge, attitudes, and skills needed to make the transition from school to work in health science careers. Students are encouraged to focus on self-analysis to aid in their career selection. Job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a post-secondary program are also areas of focus. Participation in HOSA encourages the development of leadership, communication and career related skills, and opportunities for community service. • Recommended Grade(s): 12 • Required Prerequisites: none • Recommended Prerequisites: Health Science Education I • Credits: Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Counts as a directed elective or elective for all diplomas

VETERINARY CAREERS I- 3 course sequence- Vocational DC

***Overall GPA Requirement 2.5**

Principles of Veterinary Science- Vocational

***Overall GPA Requirement: 2.5**

7280 Principles of Veterinary Science PRIN VET SCI Principles of Veterinary Science is a two-semester course that provides students with an overview of the small and large animal veterinary industry which includes companion, food, and exotic animals. Principles of Veterinary Science will cover skills common to specific veterinary career topics such as animal care, veterinary assistant, veterinary technician, and veterinarian. Students will learn foundational veterinary knowledge for large and small animals which includes practical lab skills and common office practices. • Recommended Grade(s): 11, 12 • 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

Veterinary Science- Vocational

***Overall GPA Requirement: 2.5**

7281 Veterinary Science VET SCI Veterinary Science 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 medical terminology, laboratory procedures, clinical examination procedures, principles of animal diseases, as well as work in veterinary clinic management and veterinary law and ethics. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Veterinary Science • 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

Advanced Life Science, Animals- Vocational DC

***Overall GPA Requirement 2.5**

5070 Advanced Life Science, Animals (L) ALS ANIML 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(s): 11, 12 • Required Prerequisites: Principles of Agriculture*; or Principles of Veterinary Science* • Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources; Animal Science; Biology; Chemistry; Integrated Chemistry Physics • Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum • Fulfills a science requirement for all diplomas • Counts as a quantitative reasoning course • Counts as an elective or directed elective for all diplomas

VETERINARY CAREERS II- Vocational

7282 Veterinary Science Capstone VET SCI CAP Veterinary Science Capstone is a two-semester course that builds upon the knowledge and skills developed in the animal and veterinary courses by developing advanced skills that students can apply to the field. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience. Students will explore concepts related to pharmacy and pharmacology, medical math, animal nursing, radiology and ultrasound imaging, surgical preparation and assisting • Recommended Grade(s): 12 • Required Prerequisites: Principles of Veterinary Science; Advanced Life Science: Animals; Veterinary Science • Recommended Prerequisites: none • 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

CRIMINAL JUSTICE I- 3 Course Sequence- Vocational DC

Principles of Criminal Justice- DC

7193 Principles of Criminal Justice PRIN CR JUST Principles of Criminal Justice covers the purposes, functions, and history of the three primary parts of the criminal justice system: law enforcement, courts, and corrections. This course further explores the interrelationships and responsibilities of these three primary elements of the criminal justice system. • 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

Law Enforcement & Cultural Awareness- DC

7191 Law Enforcement Fundamentals LAW ENF FUND Law Enforcement Fundamentals Critically examines the history and nature of the major theoretical perspectives in criminology, and the theories found within those perspectives. Analyzes the research support for such theories and perspectives, and the connections between theory and criminal justice system practice within all the major components of the criminal justice system. Demonstrates the application of specific theories to explain violent and non-violent criminal behavior on both the micro and macro levels of analysis. Additionally, this course will introduce fundamental law enforcement operations and organization. This includes the evolution of law enforcement at federal, state, and local levels. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Criminal Justice • 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

Courts & Corrections- Vocational DC

7188 Corrections and Cultural Awareness CRT CORR Corrections and Cultural Awareness emphasizes the study of American criminal justice problems and systems in historical and cultural perspectives, as well as discussing social and public policy factors affecting crime. Multidisciplinary and multicultural perspectives are stressed. Additionally, this course takes a further examination of the American correctional system; the study of administration of local, state, and federal correctional agencies. The examination also includes the history and development of correctional policies and practices, criminal sentencing, jails, prisons, alternative sentencing, prisoner rights, rehabilitation, and community corrections including probation and parole. Current philosophies of corrections and the debates surrounding the roles and effectiveness of criminal sentences, institutional procedures, technological developments, and special populations

are discussed. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Criminal Justice; Law Enforcement Fundamentals • 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

CRIMINAL JUSTICE II- Vocational

Criminal Justice Capstone- Vocational

7231 Criminal Justice Capstone CRIM JUST CAP The Criminal Justice Capstone course allows students to complete additional instruction to earn a postsecondary certificate and should include a work-based learning component such as job shadowing, internship, etc. once the core content is completed. Note that there may be age restrictions on work-based learning components. • Recommended Grade(s): 12 • Required Prerequisites: Principles of Criminal Justice; Law Enforcement Fundamentals, Corrections and Cultural Awareness • Recommended Prerequisites: none • Credits: 2 semester course, 2 semester required, 1-3 credits per semester, 6 credits max • Counts as a Directed Elective or Elective for all diplomas

WELDING I- 3 course sequence- Vocational- DC

Principles of Welding Technology- Vocational DC

7110 Principles of Welding Technology PRIN WEL TCH Principles of Welding Technology includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and basic welding. This course is designed for individuals who intend to make a career as a Welder, Technician, Designer, Researcher, or Engineer. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for postsecondary and career success. • Recommended Grade(s): 11, 12 • 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

Shielded Metal Arc Welding- Vocational DC

7111 Shielded Metal Arc Welding SHLD MAW Shielded Metal Arc Welding involves the theory and application of the Shielded Metal Arc Welding process. Process theory will include basic electricity, power sources, electrode selection, and all aspects pertaining to equipment operation and maintenance. Laboratory welds will be performed in basic weld joints with a variety of electrodes in the flat, horizontal and vertical positions. Emphasis will be placed on developing the basic skills necessary to comply with AWS industry standards. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Welding Technology • 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

Gas Welding Processes- Vocational DC

7101 Gas Welding Processes GAS WEL PRC Gas Welding Processes is designed to cover the operation of Gas Metal Arc Welding (MIG) equipment. This will include all settings, adjustments and maintenance needed to weld with a wire feed system. Instruction on both short-arc and spray-arc transfer methods will be covered. Tee, lap, and open groove joints will be done in all positions with solid, flux core, and aluminum

wire. Test plates will be made for progress evaluation. Schools may choose to offer the course as a comprehensive MIG Welding course or a combination of introductory MIG and TIG Welding operations. • Recommended Grade(s): 10, 11, 12 • Required Prerequisites: Principles of Welding Technology • 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 • Schools may choose to cover both introductory MIG and TIG Welding. This configuration is available for dual credit through ITCC.

WELDING II- Vocational DC

Welding Technology Capstone

7226 Welding Technology Capstone WELD TECH CAP The Welding Technology Capstone course builds upon the knowledge and skills developed in Welding Fundamentals, Shielded Metal Arc Welding, and Gas Metal Arc Welding by developing advanced welding skills in Gas Tungsten Arc Welding (TIG), Pipe Welding, and Fabrication. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience. • Recommended Grade(s): 11 • Required Prerequisites: Principles of Welding Technology; Shielded Metal Arc Welding; Gas Welding Processes • Recommended Prerequisites: none • 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

WORK BASED LEARNING

Principles of Human Services

7176 Principles of Human Services PRIN HUM SERV 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): 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

Understanding the Workplace Environment

7174 Understanding the Workplace Environment encourages 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. 302 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 • Recommended Grade(s): 12 • Required Prerequisites: Principles of Human Services • 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

Relationships and Emotions of the Workplace

7177 Relationships and Emotions of the Workplace examines the key elements of healthy relationships. Explores the main problems that damage relationships. Presents research findings on successful and unsuccessful relationships, and emotional

connections. Explores the impact of one's emotional and relationship history on current and future romantic relationships. Presents practical, scientific-based skills for improving relationships. Additionally, this course offers practical and useful information for people who have experienced loss. Students have the opportunity to evaluate their own experiences and attitudes toward loss and grief. • Recommended Grade(s): 12 • Required Prerequisites: Principles of Human Services • 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

GRAPHIC DESIGN AND LAYOUT- 3 course sequence- Vocational- DC

Principles of Digital Design- Vocational DC

7140 Principles of Digital Design PRIN DIG DES Principles of Digital Design introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. Students will have the opportunity to apply the design theory through an understanding of basic photographic theory and technique. Topics will include image capture, processing, various output methods, and light. • 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

Digital Design Graphics- Vocational DC

7141 Digital Design Graphics DIG DES GRAPH Digital Design Graphics will help students to understand and create the most common types of computer graphics used in visual communications. Skills are developed through work with professional vector-based and page layout software used in the industry. Additionally, students will be introduced to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners. Students will learn to communicate concepts and ideas through various imaging devices. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Digital Design • 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

Graphic Design and Layout- Vocational DC

5550 Graphic Design and Layout GRAPH DES LT Graphic Design and Layout teaches design process and the proper and creative use of type as a means to develop effective communications for global, corporate and social application. Students will create samples for a portfolio, which may include elements or comprehensive projects in logo, stationery, posters, newspaper, magazine, billboard, and interface design. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Digital Design; Digital Design Graphics • 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

Graphic Design II- Vocational

7246 Digital Design Capstone DIG DES CAP The Digital Design Capstone course provides students the opportunity to dive deeper into advanced concepts of Visual Communication including user experience/user interface design, video production editing, animation and/or web design. Depending on the length of the course, students may focus their efforts on one area or explore multiple aspects. • Recommended Grade(s): 11, 12 • Required Prerequisites: Digital Design Concentrator Sequence • Recommended

Prerequisites: none • Credits: 2 semester course, 2 semester required, 1-3 credits per semester, 6 credits max • Counts as a Directed Elective or Elective for all diplomas

Automation & Robotics 3 course sequence- Vocational- DC

Principles of Industry & Digital Manufacturing

7220 Principles of Industry 4.0 and Digital Manufacturing PRIN DIG MANF 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): 11, 12 • 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

Robotics Design and Innovation

4728 Robotics Design and Innovation RDI The Robotics Design and Innovation course is designed to introduce students to technology that is revolutionizing modern manufacturing and logistic centers across global markets. Students will explore careers that are related to the fourth industrial revolution and be introduced to the emerging technologies that make the manufacturing world ever changing. These technologies include; mechatronics, CAD/CAM, robots, programmable automation, cloud technologies, networking, big data and analytics. Students will design a part to be mass produced using processes such as additive and subtractive manufacturing, while utilizing lean manufacturing concepts. The course will prepare students for the SACA, C-102 Certified Industry 4.0 Associate • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Industry 4.0 - Smart Manufacturing • 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 • Counts as a quantitative reasoning course

Digital Manufacturing System

7100 Digital Manufacturing System DIG MAN SYS Smart Manufacturing Systems will deepen students' technical skills by studying the electrical system required to support an Industry 4.0 manufacturing system and building on skills learned in Principles of Industry 4.0 and Robotics Design and Innovation. Topics include Industry 4.0 technologies such as data analytics, cyber security, and smart sensors. Students will work on a 4-6 student team to build a working prototype of an Industry 4.0 system. Highlights include: Variable Frequency Drives, PLC troubleshooting, Cyber Security, Smart Sensors, and Smart network communications. • Recommended Grade(s): 11, 12 • Required Prerequisites: Principles of Industry 4.0 - Smart Manufacturing; Robotics Design and Innovation • 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 • Counts as a quantitative reasoning course

Industrial Electrical Capstone

7260 Industrial Electrical Capstone IND ELEC CAP The Industrial Electrical Capstone course is designed to provide an understanding of circuits using alternating current and the motor operation as well as the operation and programming of programmable logic

controllers (PLC). The course will also examine the electrical components in a complex mechatronic system. This course will give each student a general understanding of common types of electric motors, extending from the small shaded pole fan motors to the large three-phase motors. This course will use lecture, lab, online simulation and programming to prepare students for the C-207 Programmable Controller Systems 1 Certification through Smart Automation Certification Alliance (SACA). • Recommended Grade(s): 12 • Required Prerequisites: Principles of Advanced Manufacturing; Advanced Manufacturing Technology; Industrial Electrical Fundamentals • Recommended Prerequisites: none • 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 • Counts as a quantitative reasoning course

Commercial Driver's License Pathway

Principles of Transportation and Logistics

7386 Principles of Transportation and Logistics PRIN TRANS LOG 341 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 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): 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.

Commercial Driver's Operations Fundamentals

7387 Commercial Driver's Operations Fundamentals CDL OPER FUND Commercial Drivers Operation Fundamentals introduces students to an orientation of the CDL industry, the CDL license, driver qualifications, and the commercial vehicle. The vehicle control systems are reviewed and discussed. The vehicle systems including engine, suspension, electrical and many others are reviewed in detail. The vehicle inspection is practiced and applied. Range and on the road training in a tractor trailer are major components of this course. Students will discuss driving in a variety of conditions including at night, emergency situations, skidding, and extreme weather. Students will practice many different driving maneuvers including backing, turning, shifting, coupling, space and speed management in order to prepare for the CDL A exam. This course must be taken concurrently with Advanced Commercial Drivers Operations. • Recommended Grade(s): 12 • Required Prerequisites: Principles of Transportation and Logistics; Co-enrolled in Advanced Commercial Drivers Operations • 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. Must be enrolled in both Commercial Drivers Operations Fundamentals and Advanced Commercial Drivers Operations

Advanced Commercial Drivers Operations

7388 Advanced Commercial Drivers Operations ADV CDL FUND Students will continue to practice until mastery of the pre-trip inspection which is a critical component of passing the CDL A exam. Administrative and professional components of being a 342 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 professional driver are discussed and explained including, hours of service, accident reporting, personal health, communication and Compliance, Safety, and Accountability (CAS). This course must be taken concurrently with Commercial Drivers Operations Fundamentals. Upon successful completion of Commercial Drivers Operation Fundamentals and Advanced Commercial Drivers Operations the student will be eligible to take the CDL A examination. • Recommended Grade(s): 12 • Required Prerequisites: Principles of Transportation and Logistics; Co-enrolled in Commercial Drivers Operations Fundamentals • 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. Must be enrolled in both Commercial Drivers Operations Fundamentals and Advanced Commercial Drivers Operations

ENGLISH

ALL DIPLOMA TRACKS REQUIRE 8 ENGLISH CREDITS

ENGLISH 9

1002 English 9 (ENG 9) English 9, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and oral communication, focusing on literature within an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information. • Recommended Grade: 9 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Fulfills an English/Language Arts requirement for all diplomas

ENGLISH 10

1004 English 10 (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: 10, 11 • Required Prerequisites: none • Recommended Prerequisites: English 9 or teacher recommendation • Credits: 2 semester course, 1 credit per semester • Fulfills an English/Language Arts requirement for all diplomas

ENGLISH 11

1006 English 11 (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 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: 11 • Required Prerequisites: none • Recommended Prerequisites: English 9 and English 10 or teacher recommendation • Credits: 2 semester course, 1 credit per semester • Fulfills an English/Language Arts requirement for all diplomas

ENGLISH 12

1008 English 12 (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: 12 • Required Prerequisites: none • 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

ADVANCED ENGLISH 11- DC

1006A 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 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. Advanced English/Language Arts, College Credit, is an advanced course based on the Indiana Academic Standards for English/Language Arts in grades 11 and 12. This course title covers any English language and composition advanced course offered for credit by an accredited post-secondary institution through an adjunct agreement with a secondary school. **Grades:** 11 or 12; **Prerequisite:** None **Credit:** 2 semester course, 1 credit per semester •Fulfills an English/Language Arts requirement for all diplomas

ACP ADVANCED ENGLISH 12- DC

1124 ACP Advanced English 12 is a dual credit college level composition course offered through the Advance College Project at Indiana University. The course prepares students for writing in a variety of college courses. The focus of the course is on writing from multiple sources to analyze an issue and argue a position. Skills include evaluating sources of information, summarizing sources, adopting a thoughtful position, advancing a clear thesis, and supporting one's views with evidence.

Grades: 12; **Prerequisite:** English 11 or Adv English 11, GPA of 2.7; **Credit:** 2 semester course, 1 credit per semester •Fulfills an English/Language Arts requirement for all diplomas

INDIANA LITERATURE

1038 Indiana Literature (IND LIT) Indiana Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of works produced by those who were born in, raised, or lived most of their lives in Indiana and works about Indiana or its famous persons. Students examine representative works of various historical periods, works from the various literary movements, and works that reflect unique aspects of Indiana culture. Students analyze and evaluate contributions of Indiana literature to specific genres and to the body of American literature or media in the past and present. 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: 11, 12 • Required Prerequisites: none • 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

ETYMOLOGY

1060 Etymology (ETYMOLOGY) Etymology, a language studies course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the derivation of English words and word families from their roots in ancient and modern languages (Latin, Greek, Germanic, and Romance Languages). Students analyze meanings of English words by examining roots, prefixes, and suffixes. Students analyze the connotative and denotative meaning of words in a variety of contexts and the reasons for language change. Students write about word history and semantics in texts that require etymological sensitivity, such as Renaissance poetry or works in translation. • Recommended Grade: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: 4 credits in English Language Arts • Credits: 1 semester course, 1 credit per semester • Fulfills an English/Language Arts requirement for all diplomas

SPEECH AND COMMUNICATION

EC

1078 Advanced Speech and Communication (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, oral interpretation, media communications, research methods, and oral debate. Students deliver different types of oral and multimedia presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery. • Recommended Grade: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Speech or teacher recommendation • Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum • Fulfills an English/Language Arts requirement for all diploma

FINE ARTS

ART

ART HISTORY- DC

4024 Art History (ART HIST) Art History is a course based on the Indiana Academic Standards for Visual Art. Students taking Art History engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Students study works of art and artifacts from world cultures, engage in historically relevant studio activities; utilize research skills to discover social, political, economic, technological, environmental, and historical trends and 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: 9, 10, 11, 12 • Required Prerequisites: none • 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

ADVANCED ART HISTORY- DC

4260 Advanced Fine Arts, College Credit (ADV ART CC) Advanced Fine Arts, College Credit is a title covering any advanced course in fine arts (music, visual arts, theater arts, or dance) offered for credit by an accredited post-secondary institution through an adjunct agreement with a secondary school or any other post-secondary fine arts course offered for dual credit. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 1 semester course, 1 credit per semester. May be offered for successive semesters • Counts as a Directed Elective or Elective for all diplomas • Fulfills requirement of 1 or 2 Fine Arts credits for Core 40 with Academic Honors Diploma • Fine Arts dual credit courses are not included on the list of approved course titles for dual credits that apply toward the Honors 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

INTRODUCTION TO 2-DIMENSIONAL ART

4000 Introduction to Two-Dimensional Art (L) (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: 9, 10, 11, 12 • Required Prerequisites: none • 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

ADVANCED 2-DIMENSIONAL ART

4004 Advanced Two Dimensional Art (L) (ADV 2D ART) Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. 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: 9, 10, 11, 12 • Required Prerequisites: none • 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

CERAMICS

4040 Ceramics (L) (CERAMICS) 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: none • Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three-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

DRAWING

4060 Drawing (L) (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: 10, 11, 12 • Required Prerequisites: none • 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

PAINTING

4064 Painting (L) (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: 10, 11, 12 • Required Prerequisites: none • 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

Jewelry

4042 Jewelry (L) (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: 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three- 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

Introduction to 3D Art

4002 Introduction to Three Dimensional Art (L) (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 86 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024

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: 9, 10, 11, 12 • Required Prerequisites: none • 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

STUDENT MEDIA

1086 Student Media (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, yearbooks, 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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Journalism, Digital Media, or teacher recommendation • Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level or in different media types where defined proficiencies and content standards are utilized. • 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.

MUSIC

BEGINNING CONCERT BAND

4160 Beginning Concert Band (L) (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: 9, 10, 11, 12 • Required Prerequisites: none • 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 CONCERT BAND

4168 Intermediate Concert Band (L) (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: 10, 11, 12
- Required Prerequisites: none
- 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

ADVANCED CONCERT BAND

4170 Advanced Concert Band (L) (ADV BAND) 71 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 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: 10, 11, 12
- Required Prerequisites: none
- 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

CHORUS

4182 Beginning Chorus (L) (BEG CHOR) Beginning Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. 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: 9,10, 11, 12 • Required Prerequisites: none • 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

4168 Intermediate Concert Band (L) (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: 10, 11, 12 • Required Prerequisites: none • 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

ADVANCED CHORUS

4188 Advanced Chorus (L) (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: 10, 11, 12 • Required Prerequisites: none • 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

MATHEMATICS

ALGEBRA 1

2520 Algebra I (ALG I) Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of six 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. Students will also 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 118 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 problem situations. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • 2 semester course, 1 credit per semester • Fulfills a Mathematics course requirement for all diplomas • Fulfills the Algebra I/Integrated Mathematics I requirement for all diplomas

Algebra 1 Lab

2516 Algebra I Lab (ALG I LAB) Algebra I Lab is a mathematics support course for Algebra I. Algebra I Lab is taken while students are concurrently enrolled in Algebra I. This course provides students with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. The five critical areas of Algebra I Lab align with the critical areas of Algebra I: Relationships between Quantities and Reasoning with Equations; Linear and Exponential Relationships; Descriptive Statistics; Expressions and Equations; and Quadratic Functions and Modeling. However, whereas Algebra I contains exclusively grade-level content, Algebra I Lab combines standards from high school courses with foundational standards from the middle grades. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • 2 semester course, 1 credit per semester • Fulfills a Mathematics course requirement for the General Diploma only or as an elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas • Algebra I Lab is designed as a support course for Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same academic year.

ALGEBRA II

2522 Algebra II (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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Algebra I • 2 semester course, 1 credit per semester • Fulfills a Mathematics course requirement for all diplomas • Fulfills the Algebra II/Integrated Mathematics III

requirement for all diplomas

GEOMETRY

2532 Geometry (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. Seven critical areas comprise the Geometry course: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Algebra I • 2 semester course, 1 credit per semester • Fulfills a Mathematics course requirement for all diplomas • Fulfills the Geometry/Integrated Mathematics II requirement for the Co

PROBABILITY & STATISTICS

2546 Probability and Statistics (PROB/STAT) Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision-making process. Probability and Statistics are made up of three strands: Data Analysis; Experimental Design; and Probability. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. The use of graphing technology and computer programs is encouraged. 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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Algebra II or Integrated Mathematics III or Analytical Algebra II • 1 semester course, 1 credit per semester • Fulfills a Mathematics course requirement for all diplomas

QUANTITATIVE REASONING- DC

2550 Quantitative Reasoning (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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Algebra II or Integrated Mathematics III or Analytical Algebra II • 1 or 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. • Fulfills a Mathematics course requirement for all diplomas

TRIGONOMETRY- DC

2566 Trigonometry (PRECAL TRIG) Pre-Calculus: 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, 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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Algebra II and Geometry or Integrated Mathematics III • 1 semester course, 1 credit per semester • Fulfills a Mathematics course requirement for all diplomas

PRE-CALCULUS- DC

2564 Pre-Calculus: Algebra (PRECAL AL) Pre-Calculus: Algebra extends the foundations of algebra and functions developed in previous courses to new functions, including exponential and logarithmic functions, and to sequences and series. The course provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Pre-Calculus: Algebra is made up of five strands: Functions; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic 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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Algebra II and Geometry or Integrated Mathematics III • 1 semester course, 1 credit per semester • Fulfills a Mathematics course requirement for all diplomas

AP CALCULUS- DC

2562 AP Calculus AB (CALC AB AP) AP Calculus AB is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Calculus AB is equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. This course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. • Recommended Grade: 11,12 • Required Prerequisites: Pre-Calculus: Algebra • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Counts as a mathematics course for all diplomas • Qualifies as a quantitative reasoning course

PHYSICAL EDUCATION

Students may earn a PE credit by participating in a sport or marching band and ending the season in good standing. Students must notify and provide documentation to their counselor to have this participation added to their transcript.

PHYSICAL EDUCATION 1

3542 Physical Education I (L) (PHYS ED II) Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which 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 IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: Grade 8 Physical Education • Recommended Prerequisites: none • 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 restrictive environment and must be based upon an individual assessment. • As a designated laboratory course, 25% of course time must be spent in activity.

PHYSICAL EDUCATION 2

3544 Physical Education II (L) (PHYS ED II) Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in four of the following areas that were not included 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 IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: Physical Education I • Recommended Prerequisites: none • 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-restrictive environment and must be based upon an individual assessment. • As a designated laboratory course, 25% of course time must be spent in activity.

Elective Physical Education

3560 Elective Physical Education (L) (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 IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11. • Recommended Grade: 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Physical Education I and II • Credits: 1 credit per semester, maximum of 8 credits • Counts as an elective requirement for all diplomas • The nature of this course allows for successive semesters of instruction provided defined proficiencies and content standards are utilized.

HEALTH EDUCATION

3506 Health and Wellness Education (HLTH & WELL) Health and Wellness, a course based on Indiana's Academic Standards for Health and 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 healthy 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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: 8th grade health education • Credits: 1 semester course, 1 credit per semester, 1 credit maximum • Fulfills the Health and Wellness requirement for all diploma types

SCIENCE

INTEGRATED CHEMISTRY & PHYSICS

3108 Integrated Chemistry-Physics (L) (ICP) Integrated Chemistry and Physics incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Chemistry and Physics topics. Disciplinary Core Ideas for this course include Matter and its Interactions, Forces, Energy, and Waves and their Applications in Technologies for Information Transfer. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired. • Recommended Grade: 9 • Required Prerequisites: none • Recommended Prerequisites: Algebra I (may be taken concurrently with this course) • 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

BIOLOGY

3024 Biology I (L) (BIO I) Biology I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Biology topics. Disciplinary Core Ideas for this course include From Molecules to Organisms, Ecosystems, Heredity and Biological Evolution. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired. • Recommended Grade: 10 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Fulfills the Biology requirement for all diplomas

CHEMISTRY

3064 Chemistry I (L) (CHEM I) Chemistry I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Chemistry topics. Disciplinary Core Ideas for this course include Matter and its Interactions and Energy. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired. • Recommended Grade: 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Algebra II (can be taken concurrently) • Credits: 2 semester course, 1 credit per semester • Fulfills a science (physical) course requirement for all diplomas • Qualifies as a quantitative reasoning course

ENVIRONMENTAL SCIENCE

3010 Environmental Science (L) (ENVSCI) Environmental Science is an interdisciplinary course that integrates biology, earth science, chemistry, and other disciplines. Students enrolled in this course integrate Science and Engineering Practices and Crosscutting Concepts to 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: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Two credits science coursework • Credits: 2 semester course, 1 credit per semester • Counts as an elective for all diplomas • Fulfills a science (life) course requirement for all diplomas

Biology II- DC

3026 Biology II (L) (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: 10, 11 • Required Prerequisites: none • 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

AP CHEMISTRY- 2 class periods

3060 AP Chemistry (CHEM AP) AP Chemistry is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of 10 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 matter: gasses, liquids and solids, solutions; and (3) reactions: reaction types, stoichiometry, equilibrium, kinetics and thermodynamics. • Recommended Grade: 12 • Required Prerequisites: none • Recommended Prerequisites: Chemistry I, Algebra II, Pre-Calculus Algebra / Pre-Calculus Trigonometry • Credits: 2 semester course, 1 credit per semester. Max 2 credits • Counts as a science course for all diplomas • Qualifies as a quantitative reasoning course

Physics

3084 Physics I (L) (PHYS I) Physics I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Physics topics. Disciplinary Core Ideas for this course include Forces and Interactions, Energy, Wave Properties, and Electromagnetic Radiation. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired. • Recommended Grade: 9, 10, 11 • Required Prerequisites: none • Recommended Prerequisites: Algebra I or Algebra II • 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 **needs to have successfully taken Geometry

Computer Science I

4801 Computer Science I COM SCI I Computer Science I introduces the structured techniques necessary for the efficient solution of business-related computer programming logic problems and coding solutions into a high-level language. The fundamental concepts of programming are provided through explanations and effects of commands and hands-on utilization of lab equipment to produce accurate outputs. Topics include program flow-charting, pseudo coding, and hierarchy charts as a means of solving problems. The course covers creating file layouts, print charts, program narratives, user documentation, and system flowcharts for business problems; algorithm development and review, flowcharting, input/output techniques, looping, modules, selection structures, file handling, control breaks, and offers students an opportunity to apply skills in a laboratory environment. • Recommended Grade(s): 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Introduction to Computer Science • Credits: 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 • Qualifies as a quantitative reasoning course •

Schools wishing to offer this course for multiple credits should utilize Next Level Programs of Study courses.

ANATOMY & PHYSIOLOGY

5276 Anatomy and Physiology (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, integumentary, skeletal, 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. 140 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 • Recommended Grade: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: Biology • Credits: 1 to 2 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

EARTH & SPACE SCIENCE

3044 Earth and Space Science I (L) (EAS SCI I) Earth and Space Science incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Earth and Space Science topics. Disciplinary Core Ideas for this course include Earth's Place in the Universe, Earth's Systems, and Human Interaction with Earth's Systems. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Counts as an elective for all diplomas • Fulfills a science course requirement for all diplomas

SOCIAL STUDIES

WORLD HISTORY

1548 World History and Civilization (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: none • Required Prerequisites: 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

AP WORLD HISTORY

1612 AP World History Modern (WLD HST MAP) AP World History Modern students investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. • Recommended Grade: none • Required Prerequisites: none • Recommended Prerequisites: none • Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing. • Credits: 2 semester course, 1 credit per semester • Fulfills the geography history of the world/world history and civilization graduation requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

US HISTORY

1542 United States History (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: none • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Fulfills the US History requirement for all diplomas

AP US HISTORY- DC

1562 AP United States History (US HIST AP) AP United States History is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. • Recommended Grade: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing. • Credits: 2 semester course, 1 credit per semester • Fulfills the US history requirement for all diplomas

GOVERNMENT

1540 United States Government (US GOVT) The 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. Analysis of how the United States interacts with other nations and the government's role in world affairs is included in this course. 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: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none Credits: 1 semester course, 1 credit per semester • Fulfills Government requirement for all diplomas • Students are required to take the naturalization test for citizenship per SEA 132 (New 2019- 2020). • SEA 398 (Spring 2020) states that schools will be required to issue the naturalization test, report results, and post test data results starting in November 2022.

ADVANCED GOVERNMENT- DC

1540ADV United States Government (US GOVT) College Rigor Course: The 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. Analysis of how the United States interacts with other nations and the government's role in world affairs is included in this course. 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: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none Credits: 1 semester course, 1 credit per semester • Fulfills Government requirement for all diplomas • Students are required to take the naturalization test for citizenship per SEA 132 (New 2019- 2020). • SEA 398 (Spring 2020) states that schools will be required to issue the naturalization test, report results, and post test data results starting in November 2022.

ECONOMICS

1514 Economics (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: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 1 semester course, 1 credit per semester • Counts as an elective for all diplomas • Fulfills the Economics requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors and International Baccalaureate diplomas • Fulfills a Social Studies requirement for the General Diploma only • Qualifies as a quantitative reasoning course

Indiana Studies

1518 Indiana Studies (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: none • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 1 semester course, 1 credit per semester • Counts as an elective for all diplomas • Fulfills course requirement for General Diploma • Must be offered at least once per school year

CURRENT ISSUES AND EVENTS

1512 Current Problems, Issues, and Events (CPIE) Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of significant problems or issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have contemporary historical significance and will be studied from the viewpoint of the social science disciplines. Community service programs and internships within the community may be included. • Recommended Grade: none • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 1 semester course, 1 credit per semester. Course may be repeated for credit if the content of the course changes. • Counts as an elective for all diplomas • Fulfills social studies requirement for General Diploma.

Jobs for America's Graduates (JAG)

0509 Jobs for America's Graduates (JAG) Jobs for America's Graduates (JAG) is a state-based, national non-profit organization dedicated to preventing dropouts among young people who are most at-risk. JAG's mission is to keep young people in school through graduation and provide work-based learning experiences that will lead to career advancement opportunities or to enroll in a postsecondary institution that leads to a rewarding career. JAG students receive adult mentoring while in school and one year of follow-up counseling after graduation. The JAG program is funded through grants provided by the Indiana Department of Workforce Development. • Recommended Grade: 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 1 credits per semester, 4 credits maximum • Counts as an elective for all diplomas

PSYCHOLOGY

1532 Psychology (PSYCH) Psychology is the scientific study of mental processes and behavior. The course is divided into eight content areas: History and Scientific Method, Biological Basis for Behavior, Development, Cognition, Personality and Assessment, Abnormal Psychology, Socio-Cultural Dimensions of Behavior, and Psychological Thinking. History and 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 analyzes the changes through one's

life including the physical, cognitive, emotional, social and moral development. Cognition focuses on learning, memory, information processing, and language development. Personality and Assessment explains 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: none • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 1 to 2 semester course, 1 credit per semester • Counts as an elective for all diplomas • Fulfills course requirement for General Diploma

SAT PREP COURSE

0532 College-Entrance Preparation (COL-ENT PREP) College-Entrance Preparation utilizes individual student score reports from the PSAT or other formative assessments to prepare students for college readiness assessments such as Indiana's Graduation Qualifying Exam, the SAT. Based on individual student score reports, students should receive targeted instruction to strengthen their foundations in critical reading, writing, and mathematics. Being "college ready" means being prepared for any post-secondary education or training experience, including readiness for study at two-year and four-year institutions leading to a post-secondary credential (i.e., a certificate, license, Associate's or bachelor's degree). A college-ready student has the necessary English and mathematics skills to qualify for and succeed in entry-level, credit-bearing college courses without the need for remedial coursework. • Recommended Grade: Grade 11 • Required Prerequisites: English 9 and English 10 (or their equivalent), Algebra I and Geometry or Integrated Mathematics I and Integrated Mathematics II • Recommended Prerequisites: Algebra II or Analytical Algebra II (or concurrent enrollment in Algebra II) • Credits: 1 semester course, 1 credit per semester, 4 credits maximum • Counts as an elective credit for all diplomas. • The nature of this course allows for successive semesters of instruction provided progressively advanced proficiencies and content standards are utilized.

INTRODUCTION TO BUSINESS

4518 Introduction to Business INTO BUSS 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 twentyfirst 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

WORLD LANGUAGE



SPANISH

SPANISH 1

2120 Spanish I (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: 9, 10, 11, 12 • Required Prerequisites: none • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Counts as a directed elective or elective for all diplomas • Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

SPANISH 2

2122 Spanish II (SPAN II) Spanish II, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of Spanish-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom. • Recommended Grade: 9, 10, 11, 12 • Required Prerequisites: Spanish I • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Counts as a directed elective or elective for all diplomas • Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

SPANISH 3- DC

2124 Spanish III (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: 9, 10, 11, 12 • Required Prerequisites: Spanish I and II • Recommended Prerequisites: none • Credits: 2 semester course, 1 credit per semester • Counts as a directed elective or elective for all diplomas • Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

FAMILY AND CONSUMER SCIENCE

Principles of Hospitality

7173 Principles of Culinary and Hospitality PRIN HOSP Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces procedures for decision making which affects operation management, products, labor, and revenue. Additionally, students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment. • 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

Culinary Arts

7169 Culinary Arts CUL ARTS Culinary Arts teaches students how to prepare the four major stocks, the five mother sauces (in addition to smaller sauces) and various soups. Additional emphasis is placed on the further development of the classical cooking methods. This course will also present the fundamentals of baking science including terminology, ingredients, weights and measures, and proper use and care of equipment. Students will produce yeast goods, pies, cakes, cookies, and quick breads. • Recommended Grade(s): 10, 11, 12 • Required Prerequisites: Principles of Culinary and Hospitality • 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

7171 Nutrition NUTR Nutrition students will learn the characteristics, functions and food

sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. This course will engage students in hands-on learning of nutritional concepts such as preparing nutrient dense meals or examining nutritional needs of student athletes • Recommended Grade(s): 10, 11, 12 • Required Prerequisites: Principles of Culinary and Hospitality • 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

Hospitality Management

7172 Hospitality Management HOSP MAN Hospitality Management prepares students for employment in the hospitality industry. It provides the foundations for study in higher education that leads to a full spectrum of hospitality careers. This is a broad-based course that introduces students to all segments of hospitality, what it includes, and career opportunities that are available; provides a survey of management functions, highlighting basic theories and facts; and exposes students to current trends and current events within the industry. Three major goals of this course are for students to be able to identify current trends in hotel and restaurant management, distinguish the difference between hospitality and tourism, and state differences in front of the house versus back of the house. • Recommended Grade(s): 10, 11, 12 • Required Prerequisites: Principles of Culinary and Hospitality • 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

APPENDIX

NCAA GUIDELINES

Any student who plans to participate in Division I or Division II college athletics must tell his/her

counselor of those plans so that the counselor can help the student with necessary course selections and assist with registration for the NCAA Clearinghouse. In order to be registered with the NCAA Clearinghouse, the student must complete the registration process found at www.ncaaclearinghouse.net (also available at www.eligibilitycenter.org). Full NCAA eligibility requirements are found at the NCAA Eligibility Center.

DIVISION I

For initial full-time collegiate enrollment on or after August 1, 2016, sixteen (16) core courses are required for full Division I eligibility (see chart below for subject-area requirements). One RHS credit is ½ NCAA core course.

- Ten (10) core courses completed before the seventh semester: seven (7) of the 10 must be in English, math or natural /physical science.
- These courses/grades are "locked in" at the start of the seventh semester; seven of these courses must be in English, math, or science.
- Earn a core-course GPA of at least 2.3000.
- Earn a combined SAT or ACT score that matches your core-course GPA on the sliding scale.
- *Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements.*

DIVISION II

Division II requirements are changing in 2018. Currently, athletes must complete 16 core courses with a minimum core-course GPA of 2.0. There is no sliding scale for test scores. The minimum SAT is 820 or ACT sum of 68. After August of 2018, the minimum GPA increases to 2.200 and test scores are determined by the Division II sliding scale for GPA and test scores.

NCAA core-course GPA and Test Score Sliding Scale

Division I			Division II		
Core GPA	SAT (r & m)	ACT sum	Core GPA	SAT (r & m)	ACT sum
3.550	400	37	3.050	400	37
3.275	510	45	2.800	600	50
3.000	620	52	2.600	680	56
2.750	720	59	2.400	760	62
2.500	820	68	2.300	800	66
2.300	900	75	2.200	840	70

The sliding scale for GPA and test scores has over 60 increments. The list above shows a sample of those increments. **NOTE: The SAT score does not include the writing score.**