



**Clinton Prairie Jr/Sr High School
Curriculum Guide
2024-2025**

Dear Students and Parents/Guardians,

This document is a comprehensive guide to scheduling and graduation requirements for your student. If at any time you would like to schedule a meeting with your student's school counselor, please do not hesitate to reach out. Mrs. Moore is the social/emotional counselor and Mrs. Swinford is the academic/career counselor for students in grades 7-12.

Table of Contents

School Profile	5
Scheduling Procedures	7
Alternative Physical Education	8
Pathways	
Dual Credit, AP, College Admission	11
Graduation Requirements/Transcript Information	
Course Offerings and Descriptions	
English	18
Fine Arts	23
Mathematics	26
Performing Arts	29
Physical Education/Health	32
Science	35
Social Studies	39
World Language	44

Multidisciplinary	46
Career and Technical Education (CTE)	47
Agriculture	47
Business	50
Construction	52
Family and Consumer Sciences	53
Culinary Art	53
Ed Professions	54
Human and Social Services	57
Wildcat Creek Cooperative Shared Programs	58
Cosmetology	58
Criminal Justice	59
Fire and Rescue Services	59
Health Services (EMT, Pre-Nursing, CNA)	60
Information Technology	62
Frankfort Programs (Admittance based on space availability)	63
Automotive Technology	63
Welding	64

CLINTON PRAIRIE HIGH SCHOOL PROFILE



WE ARE PRAIRIE PROUD!



2400 S CR 450 W
Frankfort, IN 46041
Phone: 765-659-3305
Fax: 765-659-3205
www.clintonprairie.com

Mr. Scott Miller
Superintendent

Mrs. Kirsten Clark
Principal

Enrollment: 338 Students

Our Vision

United are we in empowering our students.

Our Mission

CPSC is committed to providing an environment built by strong tradition for our students, including well-rounded educational opportunities, secure and modern facilities, and the desire to make a difference within and beyond the Prairie Community.

CPHS Demographics

White: 89%
Hispanic: 8.52%
Multiracial: 1.5%
Black: 0.4%
Free-Reduced: 38%

CPHS Staff

35 teachers
2 school counselors
3 administrators
16 support staff

Accreditation

State Accredited

Schedule

- 180 instructional days for students
- 2 semesters
- 7 instructional periods per day
- Students have the opportunity to earn 14 credits each year

Class of 2022

Graduates: 77
Graduation Rate: 93%

Percentage Awarded

Academic Honors Diploma: 36%
Technical Honors Diploma: 16%
Core 40 Diploma: 50%
Scholarship Money Reported:
Over \$1,000,000

Grading/Grade Point Average

A+ 100%
A 94-99%
A- 90-93%
B+ 88-89%
B 82-87%
B- 80-81%
C+ 78-79%
C 72-77%
C- 70-71%
D+ 68-69%
D 62-67%
D- 60-61%
F below 60%

The gpa is calculated by adding the factors of all grades received and dividing by the total number of credits attempted.

Clinton Prairie has a two-tiered system for weighted grades. Weighted courses will receive a weight of 1.0 or .50 as indicated in the course guide available on the Clinton Prairie website.

CLINTON PRAIRIE HIGH SCHOOL PROFILE

Advanced Curriculum

Dual Credit

Business

- Accounting Fundamentals
- Marketing Fundamentals
- Principles of Business Management

Science

- Anatomy and Physiology
- AP Biology

Agriculture

- Advanced Animal Science
- Agriculture Power, Structure and Technology
- Plant and Soil Science
- Principles of Agriculture

FACS

- Child and Adolescent Development
- Teaching and Learning
- Education Professions Capstone
- Principles of Teaching

Honors

- English 9 Honors
- English 10 Honors
- Geography/History of the World Honors

Advanced Placement

- AP Biology
- AP Calculus
- AP Chemistry
- AP Government
- AP Language
- AP Literature
- AP United States History

Test Scores

2023 SAT - 80 testers

Avg overall score - 965

Avg Reading/Writing - 492

Avg math - 473

2023 PSAT (11th grade) - 78 testers

Avg overall score - 884

Avg Reading/Writing - 449

Avg math - 435

2023 PSAT (10th grade) - 83 testers

Avg overall score - 895

Avg Reading/Writing - 453

Avg math - 441

2023 AP Exams

53 testers / 84 total exams taken

Avg score: 2.4

Administration

Principal

Mrs. Kirsten Clark

kclark@cpsc.k12.in.us

Assistant Principal

Mr. Luke Harlow

lharlow@cpsc.k12.in.us

Counseling Office

Dean of Student Services

Mrs. Erin Swinford

eswinford@cpsc.k12.in.us

Counselor

Mrs. Amanda Moore

amoore@cpsc.k12.in.us

Athletic Office

Athletic Director

Mr. Chad Peckinpaugh

cpeckinpaugh@cpsc.k12.in.us

SCHEDULING PROCEDURES

Clinton Prairie Jr/Sr High students select their courses within the following framework:

- Courses are attended every day during seven, 45-minute class periods.
- Each school day begins at 8:05 a.m. and ends at 3:00 p.m.
- All underclassmen are expected to enroll in seven periods and are required to attend school all periods each semester. Seniors who qualify for participation in outside Career/Technical Education or Work-Based Learning may have no less than four eligible courses in their schedule each semester.
- Student athletes who plan to participate in sports must be enrolled in, and be passing, at least five full-credit courses (or the equivalent) to be eligible for participation in IHSA-sanctioned contests. Senior athletes must be enrolled in at least four full-credit courses each semester to be eligible for participation in IHSA-sanctioned contests. Grades earned in audited courses do not count toward athletic eligibility.
- Students must complete prerequisite courses with a passing grade before attempting the related subsequent courses.
- Any failed required course must be repeated in-person before being considered to take it on our online platform.

Schedule Changes:

Students and parents are advised that all requests for **schedule changes must be made by May 17, 2024.** Requests for schedule changes after the deadline will be honored if seats are still available in the course. All schedule changes are individual-based and left to the discretion of administration and families.

After the first day of school, changes in a student's schedule may be made only for the following reasons:

- To meet immediate graduation requirements
- Schedule conflicts
- Extenuating circumstances approved by the student's counselor, administration, and parent/guardian.

Retaking Classes:

- Students who receive a grade of D+ or lower may retake a course in order to improve their grade. Students wishing to improve a single semester grade for a yearlong course will be allowed to retake the entire year. When the class is retaken, both will appear on the student's transcript. The higher grade will be associated with the credit and factored into the student's GPA. The lower grade will be changed to a notation that the course was retaken (R), but will not be included in the calculation of the student's GPA. (Note: the course to be retaken must have the same State course code in order for the retake notation to be added and the original GPA calculation to be removed.)
- Incoming 9th graders with high school credit earned in middle school may retake those courses if the grade earned in the middle school is lower than a "B-." When retaking a course previously taken in middle school, the course, credit, and grade earned in middle school will not be a part of the student's high school transcript.
- Classes taken not offered at Clinton Prairie or within the Wildcat Creek Career Cooperative must have prior approval from the counseling office and/or administration. Forms are available in the counseling office or on the Clinton Prairie's website.

ALTERNATE PHYSICAL EDUCATION CREDIT

The Indiana State Board of Education has granted local school districts the flexibility of awarding students Physical Education credit that demonstrate proficiency through alternative means. Students who demonstrate mastery of the Indiana Academic Standards for PE, as documented by a coach, sponsor, or director, may be eligible for alternative PE I and PE II credit.

Clinton Prairie students may earn 2 alternate Physical Education credits for two complete seasons of the following CP sports and activities:

- | | | |
|-----------------|--------------|----------------|
| • Baseball | • Basketball | • Cheerleading |
| • Cross Country | • Dance | • Football |
| • Golf | • Tennis | • Softball |
| • Volleyball | • Wrestling | • Track |

Alternative PE Credit will be awarded once the approved Clinton Prairie athletic season is completed.

The following guidelines must be followed:

- An alternative credit for PE must be earned prior to a student's junior year.
- The student must complete the Alternate PE Credit form for each PE credit they wish to earn. This form can be found on the Clinton Prairie website or in the counseling office. Students and parents will complete part A of the form then it must be turned into the counseling office by the due date.
- Forms are due by August 31, 2024.
- The counseling department along with the athletic office will work with coaches to fill out Part B of the form at the conclusion of the season/activity.
- Only one credit per sports season can be earned through the alternative PE credit method.
- A *complete* season is defined as first practice to final event. The student must remain on the active roster the entire season or the duration of the activity.
- The student will participate regularly in physical activity, demonstrated by participation in at least 90% of group activities (injury free), or at least 66% if a major injury occurs. Either the CP athletic trainer or a physician must document a major injury that prevents active participation.
- Disciplinary suspensions from the activity may result in forfeiture of credit as determined by the coach, director, or sponsor and approved by an administrator.
- At the end of each semester, grades will be assigned for each student who has completed an approved sport/activity **in good standing** and students will receive an A in the course. If a student at any time during the season becomes ineligible he/she will not receive an alternate PE credit. Reasons for ineligibility include but are not limited to discipline issues, attendance issues, or failing to meet academic requirements for participation in the sport/activity.
- A limit of 2 basic PE credits may be earned in this manner. Advanced PE credits cannot be earned through sports.
- Fall sports/activities will be recorded in the first semester. Winter and spring sports will be recorded in the second semester.

PATHWAYS

If your student is on the Academic Honors Diploma track, their Core Academics are their Graduation Pathway. All other students MUST choose courses within their pathway from our list of CTE choices. Off campus graduation pathways are allowed if space allows and students can provide transportation.



Wildcat Creek Career Cooperative (WCCC) serves the schools of Clinton County to provide a variety of Career & Technical Education (CTE) Programs. The programs offered through WCCC allow students to explore potential career options while also meeting graduation requirements when they complete an entire course sequence with a C average.

WCCC Shared Programs (Open to all students enrolled in any WCCC Partner High School)

Construction – Building Trades – Develop basic skills related to residential construction. *(Meets at a different location each year within Clinton County.)*

Cosmetology* – Develop the skills needed to be an Indiana state licensed Cosmetologist. *(Meets at either Christina & Co. in Lafayette (for Seniors only, 1-year program) or Freestyle Academy in Lebanon (for Juniors only, 2-year program). Each program requires a student kit as well as a portion of the tuition.)*

Criminal Justice* – Explore various professions in Law Enforcement, Corrections & Security. *(Meets at Frankfort High School.)*

Health Sciences* – Develop the foundation for any career in healthcare with an emphasis in either Emergency Medical Technician or Nursing.

EMT – *(Meets at Frankfort Fire Station Training Building on Clay St. Clinical hours are done on their own time and students may need to pay for required tests needed depending on location of clinicals.)* Nursing – *(Meets at Ivy Tech in Frankfort for classroom and either Wesley Manor or Mulberry for clinicals. Students must purchase scrubs to wear when completing clinical hours.)*

Information Technology Operations* – Explore information technology & cybersecurity areas to gain an understanding of building computer networks and protecting them against cyber threats. *(Meets at Ivy Tech in Frankfort and complete courses with an ITCC instructor.)*

Specific High School Programs (Availability is dependent on school enrollment numbers)

Agriscience* – Develop an understanding and skills related to farming in America with a focus on either plants or animals. *(Offered at Clinton Central, Clinton Prairie, Rossville)*

Ag Mechanical & Engineering* – Explore basic principles of operation, maintenance & management of

agriculture equipment. *(Offered at Clinton Central, Clinton Prairie, Rossville)*

Precision Agriculture* – Develop an understanding & ability to operate & maintain various precision agriculture tools including GPS, GIS and VRT. *(Offered at Clinton Central)*

Automotive Services – Develop the knowledge and skills necessary to successfully diagnose and repair today's vehicles. *(Offered at Frankfort)*

Biotechnology Manufacturing* – Develop a basic understanding of the design, manufacturing, regulation, and laws overseeing the development and distribution of controlled substances. *(Offered at Frankfort)*

Business Administration* – Explore business ownership, organization principles, management, administration, financial management, and development practices of business enterprises. *(Offered at Clinton Central, Frankfort, Rossville)*

*Denotes that the pathway offers classes for dual credit that may lead to a Technical Honors diploma.

Civil Construction – Learn about heavy equipment and highway construction in a horizontal construction course. *(Offered at Frankfort)*

Culinary Arts – Develop foundations of Culinary and Hospitality careers for students. *(Offered at Clinton Prairie, Frankfort)*

Early Childhood Education* – Develop the foundation for working with children 0 to Pre Kindergarten. *(Offered at Frankfort)*

Education Careers* – Develop the foundation for working with children within the field of teaching and other related careers. *(Offered at Clinton Prairie, Frankfort)*

Engineering* – Develop problem solving, teamwork, and critical thinking skills as it relates to Engineering. *(Offered at Frankfort)*

Finance & Investment – Learn the management of individual finances and gain an overview of the banking industry. *(Offered at Clinton Prairie)*

Human & Social Services – Develop the foundation for working with people to manage struggles or challenges in their daily lives. *(Offered at Clinton Prairie, Frankfort)*

Industrial Technical Maintenance* – Develop the skills necessary to maintain highly sophisticated machinery and equipment. *(Offered at Frankfort)*

Marketing & Sales* – Learn about the scope and importance of marketing in the global economy. *(Offered at Clinton Prairie, Frankfort)*

Radio/TV – Explore the world of Radio/TV through broadcasting or reporting sports, news, and other stories. Gain experience in presenting, reporting, and production. *(Offered at Frankfort)*

Welding* – Develop basic skills in multiple welding styles necessary to start a career in the Welding industry. *(Offered at Frankfort, Rossville)*

Potential New Programs

Exercise Science – Develop an understanding about the science of exercise and human movement while exploring fitness training methods and basic human physiology.

Fire Science – Learn the skills and knowledge necessary to be a firefighter.

Capstone Courses

Once a student completes the three-course sequence in the programs above, they may be eligible to participate in the capstone course. Capstone courses look a little different based on the program but it can include work-based learning where a student can gain on the job training or specific course instruction with one of our partner organizations. Students must fulfill certain grade, attendance, and discipline requirements to be considered.

DUAL CREDIT COURSES

Dual credit courses are courses which can be taken to earn both high school credit as well as college or university credit. Clinton Prairie High School students have the opportunity to enroll in dual credit courses available at CP during the school day or may take a dual credit course at a college or university. In either case, the student is responsible for any tuition for college courses.

Prior approval is required for a course taken at a college or university not offered at Clinton Prairie or within the Wildcat Creek Career Cooperative to be counted toward a student's CP diploma requirements. Students taking dual credit courses at a college may also request to be released for a maximum of one instructional period. A student must have a cumulative 3.00 grade point average in order to be considered for this opportunity..

Clinton Prairie High School offers dual credit courses in partnership with a couple of Indiana Colleges, including: Ivy Tech Community College and Vincennes University. In order to earn dual credit, some colleges require prerequisite test scores. Each college has their own specific application and enrollment processes and deadlines are enforced.

INDIANA DUAL CREDIT COURSE LIST & CP DUAL CREDIT COURSE ALIGNMENT

Ivy Tech dual credit courses may be subject to change due to course program evaluation or realignment from the Indiana Department of Education. Other dual credit courses not listed are offered within the WCCC.

Clinton Prairie High School Course Title	Ivy Tech Course Title	Length of Course (for college credit)
5276 Anatomy & Physiology	APHY 101 Anatomy & Physiology	Year Long
3020 AP Biology	BIOL 105 College Biology I & II with lab	Year Long
7161 Principles of Teaching	EDUC 101 Intro. to Teaching	1 Term - Fall
7267 Education Capstone	EDUC 233 Literacy Development through Children's Literature	1 Term - Spring
7157 Child and Adolescent Development	EDUC 121 Child and Adolescent Development	1 Term - Fall
7162 Teaching and Learning	EDUC 201 Technology in Education	Year Long
7117 Principles of Agriculture	AGRI 100 Intro to Agriculture	Year Long
7112 Ag Structures, Fabrication, & Design	AGRI 106 Agricultural Mechanization	Year Long
5008 Animal Science	AGRI 103 Animal Science	Year Long
5074 Advanced Plant and Soil Science	AGRI 109 Advanced Plant & Soil Science	Year Long
5228 Supervised Ag Experience		

ADVANCED PLACEMENT PROGRAM

The **Advanced Placement (AP) Program** is a cooperative educational endeavor of secondary schools, colleges and the College Board. Highly motivated students enjoy the intellectual challenge experienced in these courses. Teachers of AP courses find that the courses greatly enhance the students' confidence and academic orientation. Research shows that students enrolling in challenging academic courses are far better prepared for serious academic work when entering college. Most colleges and universities grant credit and/or advanced placement to students who perform satisfactorily on AP examinations.

Each May the College Board AP examinations are offered at Clinton Prairie High School. All of the examinations contain either an essay or problem-solving section and another section consisting of multiple-choice questions. Each year there is an AP exam fee for those who choose to take the exam. In order to encourage students to enroll in AP courses and to take the AP exams, the State of Indiana usually pays most of the fees for English, computer science, math and science exams. Clinton Prairie students pay a reduced fee for exams covered by the state. Students taking AP exams in subject areas not covered by state assistance must pay the full exam fee.

COLLEGE ADMISSION

Admission requirements vary from college to college. Students are encouraged to explore the admission requirements of universities they are considering, as many have course requirements beyond the Core 40 requirements. Some examples include: minimum 2 years of world language (Butler, IU, Purdue and several others), and 4 years of math (IU (must be PreCalc/Trig), Purdue and others). While upperclassmen have more flexibility in their schedules than freshmen and sophomores, juniors and seniors should plan to take a full schedule including at least 4-5 academic classes. Colleges are looking for students who challenge themselves and for students who maintain strong or ascending grade trends in the junior and senior years.

GRADUATION REQUIREMENTS AND TRANSCRIPT INFORMATION

Beginning with classes taken in the 2023-2024 school year, Clinton Prairie High School has added partial weight to recognize and reward academic work in selected honors and dual credit courses. The list of weighted courses is outlined below.

LETTER GRADE	STANDARD COURSE - REGULAR WEIGHT	HONORS COURSES IN CORE ACADEMIC AREAS - PARTIAL WEIGHT	IB, AP, ACP, PLTW - FULL WEIGHT	All classes in the Program of Studies will be designated as follows: RW=Regular Weight PW=Partial Weight FW=Full Weight
A	4.0	4.5	5.0	
A-	3.667	4.167	4.667	
B+	3.333	3.833	4.333	
B	3.0	3.5	4.0	
B-	2.667	3.167	3.667	
C+	2.333	2.833	3.333	
C	2.0	2.5	3.0	
C-	1.667	2.167	2.667	
D+	1.333	1.833	2.333	
D	1.0	1.5	2.0	
D-	0.667	1.167	1.667	
F	0	0	0	

Advanced Placement (AP)

AP Language and Composition
AP Literature and Composition
AP Calculus AB
AP Biology (2 class periods)
AP Chemistry (2 class periods)
AP Government

Honors Classes (H)

Honors English 9
Honors English 10
Honors Geography/History of the World

COMMENCEMENT

Commencement exercises include those students who have successfully completed requirements for graduation as certified by the Clinton Prairie High School principal. Students must complete all requirements prior to graduation ceremonies. Clinton Prairie reserves the right to deny students the opportunity to participate in all graduation activities if personal conduct so warrants.

GRADUATION PRIOR TO COMPLETION OF EIGHT FULL SEMESTERS

For a student to graduate prior to completing eight semesters, he or she must

- Fulfill all state and local graduation requirements.
- Make arrangements with his/her counselor to graduate early.
- Complete an application (available on the Clinton Prairie website) for early graduation signed by parents, counselors, and principal.

GRADUATION AFTER EIGHT SEMESTERS

Students who complete 8 semesters at Clinton Prairie High School without completing graduation requirements will be provided written information documenting the courses needed to receive a diploma and their status for meeting the proficiency standards on SAT graduation-qualifying exam. To meet course requirements for the diploma, students who continue to be residents of the Clinton Prairie School Corporation, may enroll in summer school or return to school the following academic year to complete the necessary courses. Students may also complete courses at other accredited schools and return documentation of the completed course(s) to meet diploma requirements. Before enrolling in non-CP courses, the student must have written permission to enroll and to apply the specific course toward CP diploma requirements. A maximum of 8 credits earned from other accredited programs can be accepted.

CREDIT FOR HIGH SCHOOL COURSES COMPLETED IN MIDDLE SCHOOL

Students who are enrolled at Clinton Prairie High School have the option of receiving credit for full-year high school courses in math and/or world languages which were completed during middle school with the following conditions:

- The course taken in middle school must be equivalent to the high school course and cover the same academic standards.
- Grades and credits for the course must be included on the student's high school transcript and be factored into the student's cumulative GPA.
- The student has the option of receiving math credit only if the student is enrolled in the next-level math course.
- Parents and students may also choose to decline applying these credits toward the CP diploma if the grade earned in middle school is lower than a B-. When retaking a course previously taken in middle school, the course, credit, and grade earned will not be a part of the Clinton Prairie High School transcript. Contact the Dean of Student Services for assistance.

Graduation Pathways Diploma Clinton Prairie High School



Effective beginning with students who enter high school in 2012-13 school year (class of 2016).

Course and Credit Requirements	
English/ Language Arts	8 credits Including a balance of literature, composition and speech.
Mathematics	6 credits (in grades 9-12) 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II Or complete Integrated Math I, II, and III for 6 credits. Students must take a math course or quantitative reasoning course each year in high school.
Science	6 credits 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	6 credits 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or Geography/History of the World
Directed Electives	5 credits World Languages Fine Arts Career and Technical Education
Physical Education	2 credits
Health and Wellness	1 credit
Electives*	6 credits (College and Career Pathway courses recommended)
40 Total State Credits Required	

Schools may have additional local graduation requirements that apply to all students (not required for students with an IEP).

* Specifies the number of electives required by the state. High school schedules provide time for many more electives during the high school years. All students are strongly encouraged to complete a College and Career Pathway (selecting electives in a deliberate manner) to take full advantage of career and college exploration and preparation opportunities.

**SAT scores updated September, 2017

***WorkKeys assessment titles updated, 2018

CORE40 with Academic Honors *(minimum 47 credits)*

For the **Core 40 with Academic Honors** designation, students must:

- 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 transcripted college credits in dual credit courses from the approved dual credit list.
 - C. Earn two of the following:
 1. A minimum of 3 verifiable transcripted college credits from the approved dual credit 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 composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.**
 - E. Earn an ACT composite score of 26 or higher and complete written section
 - F. Earn 4 credits in IB courses and take corresponding IB exams.

CORE40 with Technical Honors *(minimum 47 credits)*

For the **Core 40 with Technical Honors** designation, students must:

- 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:
 1. Pathway designated industry-based certification or credential, or
 2. Pathway dual credits from the approved dual credit list resulting in 6 transcripted 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 - F) of the Core 40 with Academic Honors
 - B. Earn the following minimum scores on WorkKeys: Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, 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 Compass: Algebra 66, Writing 70, Reading 80.

GENERAL DIPLOMA

To graduate with less than a Core 40 diploma in 2016 or later, the following formal opt-out process must be completed:

- The student, the student's parent/guardian, and the student's counselor meet to discuss the student's progress.
- The student's Graduation Plan (including four year course plan) is reviewed.
- The student's parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.
- If the decision is made to opt-out of Core 40, the student is required to complete the course and credit requirements for a general diploma, the career/academic sequence the student will pursue is determined, and a form is filled out by all stakeholders.

A student will not be considered for a general diploma until the second 9 weeks of the second semester of their senior year unless the student has an IEP.

COURSE REQUIREMENTS BY GRADE

Freshmen			Sophomores	
Semester 1	Semester 2		Semester 1	Semester 2
Algebra I or Geometry	Algebra I or Geometry		Geometry or Algebra II	Geometry or Algebra II
English 9 or English 9 Honors	English 9 or English 9 Honors		English 10 or English 10 Honors	English 10 or English 10 Honors
Biology I	Biology I		Integrated Chemistry/Physics or Chemistry I	Integrated Chemistry/Physics or Chemistry I
Geography/History of the World	Geography/History of the World		Personal Financial Responsibility (Starting with Class of 2028)	Elective
PE I	PE II		Elective	Elective
Elective	Elective		Elective	Elective
Elective	Elective		Elective	Elective
Juniors			Seniors	
Semester 1	Semester 2		Semester 1	Semester 2
Algebra II or Pre-Calculus	Algebra II or Pre-Calculus		Government or Economics	Economics or Government
English 11 or AP Language/Composition	English 11 or AP Language/Composition		English	English
Science	Science		Elective	Elective
U.S. History	U.S. History		Elective	Elective
Elective	Elective		Elective	Elective
Elective	Elective		Elective	Elective
Elective	Elective		Elective	Elective

QUANTITATIVE REASONING COURSES OFFERED OUTSIDE OF THE MATHEMATICS DEPARTMENT:

SCIENCE

Chemistry I
AP Biology
Physics I
AP Chemistry
Computer Science Courses
Personal Financial Responsibility

SOCIAL STUDIES

Economics

STANDARDIZED TESTING

All 10th and 11th graders must take the College Board's PSAT and SAT when given at Clinton Prairie during the regular school day. All 11th Graders must take the CP-Administered, school day, SAT exam. All 7th and 8th graders will participate in the fall and spring NWEA testing and the spring ILEARN testing. All Biology I students will take the ILEARN Biology I test at the end of the course. All qualifying ELL students will participate in the WIDA testing

SUMMER SCHOOL AT CLINTON PRAIRIE

- Students who do not complete their spring Edmentum Credit Recovery classes will be given additional time in summer school to finish the coursework.
- Credit Recovery Summer School Dates, Time and Costs are yet to be determined. Students interested will be notified at a later date via email.
- Students may also take Health and Wellness through Edmentum during summer school.
- In-person courses offered could include Government and PE I and II

Course Offerings and Course Description

ENGLISH

1002 English 9 (ENG 9) (RW)

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

1004 English 10 (ENG 10) (RW)

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

1006 English 11 (ENG 11) (RW)

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

1012 English as a New Language (ENL)

The intent of the ENL course is to move students as successfully, smoothly, and rapidly as possible into the Core 40 English courses offered in grades 9-12. English as a New Language, an integrated English course based on the WIDA English Language Development (ELD) Standards, is the study of language, literature, composition and oral communication for English learners (ELs) so that they improve their proficiency in listening, speaking, reading, writing and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency.

- Recommended Grade: Recommended Grade: 9, 10, 11, and 12.
- Required Prerequisites: none
- Recommended Prerequisites: English proficiency placement test results
- Fulfills an English Language Arts requirement for all diplomas: If ENL course work addresses Indiana's Academic Standards for English/Language Arts and is based on general ELA curriculum and student's Individualized Learning Plan, up to 8 credits accrued can be counted as the required English/ Language Arts credits for all diplomas
- Fulfills a World Language credit (2188): If ENL course work addresses Indiana's Academic Standards for World Languages and is taken concurrently with another English/Language Arts course; up to 8 credits accrued may count as World Language credits for all diplomas

1056 AP English Language and Composition (AP LANG) (FW)

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

- Recommended Grade: 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation

- Students should be able to read and comprehend college-level texts and apply the conventions of standard written English in their writing.
- Credits: 2 semester course, 1 credit per semester.
- Fulfills an English/language arts requirement for grades 11 or 12 for all diplomas

1058 AP English Literature and Composition (AP LIT) (FW)

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

- Recommended Grade: 12
- Required Prerequisites: None
- Recommended Prerequisites: Honors English 9 and Honors English 10 or teacher recommendation
- Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.
- Credits: 2 semester course, 1 credit per semester.
- Fulfills an English/language arts requirement for grades 11 or 12 for all diplomas

1034 Film Literature (FILM LIT) (RW)

Film Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of how film is simply another medium through which to tell a story. Students read about the methods that directors use to implement the elements of story in a visual way, the reflection or influence of film on the culture, and issues of interpretation, production, and adaptation. Students examine the visual interpretation of literary techniques and auditory language in film and the limitations or special capacities of film versus text to present a literary work. Students analyze how films offer universal themes across time and space.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1042 Novels (NOVELS) (RW)

Novels, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the novel, such as narrative and fictional elements of setting, conflict, climax, and resolution, and may be organized by historical periods, themes, or authors. Students examine novels of a given period, such as Victorian, the Modern Period, or Contemporary Literature, and what distinguishes novels from short stories, epics, romances, biographies, science fiction, and others. Students analyze novels by various important authors from the past and present or sets of novels from a specific era or across several eras.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1046 Short Stories (SH STOR) (RW)

Short Stories, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the short story, such as tightly focused narrative fiction. The course may be organized by historical periods, themes, or authors. Students examine short stories with modernist and contemporary themes by a variety of authors from the perspective of audience, purpose, and historical development. Students analyze what distinguishes the short story genre from other literary genres, such as the novels, epics, romances, biographies, etc.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1076 Speech (SPEECH) (RW)

Speech, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary appropriate to the audience and purpose. Students deliver different types of oral and multimedia presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same Standard English conventions for oral speech that they use in their writing.

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

1092 Creative Writing (CREAT WRIT) (RW)

Creative Writing, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing.

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

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

1036 Genres of Literature (GENRES LIT) (RW)

Genres of Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of various literary genres, such as poetry, dramas, novels, short stories, biographies, journals, diaries, essays, and others. Students examine a set or sets of literary works written in different genres that address similar topics or themes. Students analyze how each genre shapes literary understanding or experiences differently, how different genres enable or constrain the expression of ideas, how certain genres have had a stronger impact on the culture than others in different historical time periods, and what the most influential genres are in contemporary times.

- Recommended Grade: 11, 12
- Required Prerequisites: none • Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1082 Library Media (LBRY MEDIA) (RW)

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

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- **Counts as an elective for all diplomas (Cannot replace English credit requirements)**

1086 Student Media (YEARBOOK) (RW)

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 staff so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Journalism, Digital Media, or teacher recommendation
- Credits: 2 semester course; 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors

FINE ARTS

The art department provides a learning environment both for the student planning a career in art and the student with a general interest in the visual arts. Students are provided a well-rounded art experience through a variety of course offerings. They may elect to take craft, fine arts, and/or digital design courses.

4000 Introduction to Two Dimensional Art (2D ART) (RW)

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
- 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 (may require additional fees)

4002 Introduction to Three Dimensional Art (3D ART) (RW)

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

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to 2D Art
- Credits: 1 semester course, 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts credit
- Laboratory course (may require additional fees)

4040 Ceramics (CERAMICS) (RW)

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, 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 2D Art, Introduction to 3D Art
- 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 (may require additional fees)

4040 Advanced Ceramics (ADV 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 (Advanced Ceramics), 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: Ceramics
- Recommended Prerequisites: Introduction to 2D Art, Introduction to 3D Art
- 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 (may require additional fees)

4062 Photography (PHOTO) (RW)

Photography is a course based on the Indiana Academic Standards for Visual Art. Students in photography engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works, creating photographs, films, and videos utilizing a variety of digital tools. 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. Students will utilize DSLR cameras in conjunction with cell phones cameras, and Photoshop to create and edit taken images.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none

- Recommended Prerequisites: Introduction to 2D Art
- 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 (may require additional fees)

4082 Digital Design (DIG DESN) (RW)

Digital Design is a course based on the Indiana Academic Standards for Visual Art. Students in digital design engage in learning the basics of Adobe Photoshop and how to utilize its many functions. Students will also learn the basics of After Effects for things like special effects in movies, desktop publishing, multimedia, digitized imagery, and digital special effect creation (Advanced Digital Design). Students 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 2D Art
- 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 (may require additional fees)

Math

2520 Algebra I (ALG I) (RW)

Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of six strands: Number Systems 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 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
- Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors diploma should receive credit for Algebra I by the end of Grade 9

2522 Algebra II (ALG II) (RW)

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 High School Course Titles and Descriptions 2022-2023 137 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: Data Analysis, Statistics, and Probability; Arithmetic and Structure of Expressions; Functions; Systems of Equations and Inequalities; Quadratic Equations and Functions; Exponential and Logarithmic Equations and Functions; and Polynomial, Rational, and Other Equations and Functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade: 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

2524 Analytical Algebra II (ANA ALG) (RW)

Analytical Algebra II builds on previous work with linear, quadratic and exponential functions and extends to include polynomial, rational, radical, logarithmic, and other functions. Data analysis, statistics, and probability content should be included throughout the course, as students collect and use univariate and bivariate data to create and interpret mathematical models. Additionally, Analytical Algebra II should focus on the application of mathematics in various disciplines including business, finance, science, career and technical education, and social sciences using technology to model real-world problems with various functions, using and translating between multiple representations. 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. This course is not recommended for students interested in pursuing a STEM degree at a four year institution; this course does not prepare students for PreCalculus: Algebra / PreCalculus Trigonometry.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- 2 semester course, 1 credit per semester
- Fulfills the Algebra II requirement for all diplomas
- If students use this course to fulfill this credit, the parent and student must sign a consent form notifying the parent and the student that enrollment in Analytical Algebra II may affect the student's ability to attend a particular post-secondary educational institution or enroll in a particular course at a particular post-secondary educational institution because Analytical Algebra II may not align with academic requirements established by the post- secondary educational institution.

2532 Geometry (GEOM) (RW)

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 High School Course Titles and Descriptions 2022-2023 140 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

2566 Pre-Calculus/Trigonometry (PRECAL TRIG) (RW)

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: 11, 12
- Required Prerequisites: Teacher Recommendation
- Recommended Prerequisites: Algebra II and Geometry
- 1 semester course, 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas

2562 AP Calculus AB (AP CALC AB) (FW)

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

Performing Arts

4182 Beginning Chorus (HS CHORUS) (RW)

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.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

4202 Electronic Music (ELEC MUS) (RW)

Electronic Music is based on the Indiana Academic Standards for High School Music Technology. Students taking this course are provided with a wide variety of activities and experiences to develop skills in using electronic media and current technology to perform, create, and respond to music.

- 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

4168 Intermediate Concert Band (INT BAND) (RW)

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..
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

4170 Advanced Concert Band (L) (ADV BAND) (RW)

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

4164 Jazz Ensemble (L) (JAZZ ENS)

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

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: One year or two semesters of 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 requirement for 1 of 2 Fine Arts credits for the Core 40 with Academic Honors Diploma if students are enrolled in another band or orchestra course
- Laboratory course

4208 Music Theory and Composition (L) (MUS THEORY)

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

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 or 2 semester course, 1 credit per semester. The nature of this course allows for two successive semesters of instruction at an advanced level provided that defined proficiencies and 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

4242 Theater Arts (THTR ARTS) (RW)

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

- 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

Physical Education/Health

Physical Education I, Physical Education II, and Elective Physical Education are based on Indiana's Academic Standards for Physical Education. These courses identify what a student should know and be able to do as a result of a quality physical education program. Through a variety of instructional strategies, students practice skills that demonstrate physical literacy. This includes demonstrating competency in a variety of motor skills and movement patterns; applying knowledge of concepts, principles, strategies and tactics related to movement and performance; demonstrating the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness; exhibiting responsible personal and social behavior that respects self and others; and recognizing the value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction. Physical Education courses are designated as laboratory courses and, as such, 25 percent of course time must be spent in activity.

3542 Physical Education I (PHYS ED I) (RW)

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 in Indiana State Law.

- 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

3544 Physical Education II (PHYS ED II) (RW)

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 Indiana State Law.

- 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
- part of the Physical Education requirement for all diplomas

3560 Elective Physical Education (WEIGHTS) (RW)

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, High School Course Titles and Descriptions 2022-2023 156 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.
- 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.

3560 Elective Physical Education (SPRT PSYCH) (RW)

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 provides students with an initial understanding of the basic principles of sports psychology. The class will have practical application in that it will relate sport science and psychological understanding current student-athletes' concerns. In addition, students interested in postsecondary study or careers in the fields of clinical and educational sports psychology, coaching, personal training, athletic training, and physical education will find this course of interest.

- 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

3506 Health and Wellness Education (HLTH & WELL) (RW)

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 High School Course Titles and Descriptions 2022-2023 106 education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

- Recommended Grade: 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
- "Health and Wellness Credit Alternate Options." (Hot Link page 104 of the IDOE Doc)

Science

In April 2019 Pursuant to HEA 1426, the State Board adopted revised rules regarding science requirements for the Core 40 curriculum model. In order to earn a Core 40 diploma designation, students are still required to have (1) two credits of Biology I, (2) two credits of Chemistry I or Physics I or Integrated Chemistry-Physics, and (3) two credits of any other Core 40 science course. Acting on recommendations from a committee of content area experts representing both secondary and postsecondary institutions, the Indiana State Board of Education approved expanding the list of courses that students may take to satisfy the science requirement. In addition to the approved courses listed in this section, courses listed on the “Core 40 Science Requirement Recommendations” can be used to satisfy the third science requirement. Indiana Academic Standards for science are currently under review and will be updated for full implementation in the 2023-24 school year.

5276 Anatomy and Physiology (A & P) (DC)

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.

- 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

3024 Biology I (BIO I) (RW)

Biology I is a course based on the following core topics: cellular structure and function, matter cycles and energy transfer; interdependence; inheritance and variation in traits; evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by the Science and Engineering Practices (SEPS) and crosscutting concepts.

- Recommended Grade: 9, 10
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills the Biology requirement for all diplomas

3026 Biology II (BIO II) (RW)

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

3020 AP Biology (AP BIO) (FW)

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

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology I and Chemistry I
- Credits: 2 semester course, 1 credit per semester
- Counts as a science course for all diplomas
- Qualifies as a quantitative reasoning course
- Laboratory course

3064 Chemistry I (CHEM I) (RW)

Chemistry I is a course based on the following core topics: properties and states of matter; atomic structure and the Periodic Table; bonding and molecular structure; reactions and stoichiometry; behavior of gasses; thermochemistry; solutions; acids and bases. Students enrolled in Chemistry I compare, contrast, and synthesize useful models of the structure and properties of matter and the mechanisms of its interactions. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, the Science and Engineering Practices (SEPS) and cross-cutting concepts.

- 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

3060 AP Chemistry (CHEM AP) (FW)

AP Chemistry is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of matter: 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/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

3108 Integrated Chemistry-Physics (ICP) (RW)

Integrated Chemistry-Physics is a course focused on the following core topics: constant velocity; uniform acceleration; Newton's Laws of motion (one dimension); energy; particle theory of matter; describing substances; representing chemical change; electricity and magnetism; waves; nuclear energy. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation using the Science and Engineering Practices (SEPS) and cross-cutting concepts

- Recommended Grade: 9, 10
- 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

3102 Physical Science (PHY SCI) (RW)

Physical Science is a course in which students develop problem solving skills and strategies while performing laboratory and field investigations of fundamental chemical, physical, and related earth and space science concepts and principles that are related to students' interests and that address everyday problems. Students enrolled in Physical Science will explore the structure and properties of matter, the nature of energy and its role in chemical reactions and the physical and chemical laws that govern Earth's interconnected systems and forces of nature.

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

- Credits: 1 semester course, 1 credit per semester
- Counts toward the physical science requirement for the General Diploma
- Fulfills a science requirement for all diplomas

3084 Physics I (PHYS I) (RW)

Physics I is a course focused on the following core topics: constant velocity; constant acceleration; forces; energy; linear momentum in one dimension; simple harmonic oscillating systems; mechanical waves and sound; simple circuit analysis. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation using the Science and Engineering Practices (SEPS) and cross-cutting concepts.

- Recommended Grade: 10, 11, 12
- 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

SOCIAL STUDIES

1512 Current Events (RW)

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.
- as an elective for all diplomas
- Fulfills social studies requirement for General Diploma.

1514 Economics (ECON) (RW)

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: 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 and/or Technical Honors
- Fulfills a Social Studies requirement for the General Diploma only Qualifies as a quantitative reasoning course

1570 Geography and History of the World (GEO-HIST WLD) (RW)

Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. The

historical geography concepts used to explore global themes include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution/patterns and interaction/relationships. Students use the knowledge, tools, and skills obtained from this course in order to analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Social Studies requirement for the General Diploma
- Counts as an elective for all diplomas
- Fulfills the Geography History of the World/World History and Civilization graduation requirement for the Core 40, Core 40 with Academic Honors and/or Technical Honors diplomas

1540 United States Government (US GOVT) (RW)

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

1560 AP United States Government (AP US GOVT) (FW)

AP United States Government and Politics 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 U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project.

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

1542 United States History (US HIST) (RW)

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

1562 AP United States History (APUSH) (FW)

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
- 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

1516 Ethnic Studies (ETH STUDIES)

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

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

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

1538 Topics in History: US History through Film (TOP HIST) (RW)

In US History through Film students will analyze and determine the value of the historical content that is presented in films. They will use the background knowledge of the era along with research documents and projects to show whether a film is historically accurate and shows a meaningful connection to a historical era.

- Recommended Grades: 11 and 12
- Required Prerequisites: None
- Recommended Prerequisites: None
- Credits: 1 Semester Course, 1 Credit
- Counts as an elective for all diplomas
- Fulfills course requirement for the General Diploma

1538 Topics in History: US History through Novels (TOP HIST) (RW)

In US History through Novels students will analyze and determine the value of the historical content that is presented in novels. They will use the background knowledge of the era along with research documents and projects to show whether a novel is historically accurate and shows a meaningful connection to a historical era.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: United States History or World History and Civilization
- Credits: 1 semester course, 1 credit per semester. This course may be repeated if the material in the course is different from one semester to the next. Topics in History can address different topics in World History or U.S. History.
- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma

WORLD LANGUAGE

2120 Spanish I (SPAN I) (RW)

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

2122 Spanish II (SPAN II) (RW)

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

2124 Spanish III (SPAN III) (RW)

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

2132 AP Spanish Language and Culture (AP SPAN) (FW)

AP Spanish Language and Culture is a course established and copyrighted by the College Board and follows the College Board course guidelines for AP Spanish Language and Culture. The course prepares students to be successful on the AP Spanish Language and Culture exam. The course is not intended to be used as a dual credit course. The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

- Recommended Grade: 11, 12
- Required Prerequisites: Spanish I, II, 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
- Taken through Indiana Online Academy

Multidisciplinary

5974 Work-Based Learning Capstone (WBL)

Work-Based Learning Capstone is a stand-alone course that prepares students for college and career. Work-Based Learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, first hand engagement with the tasks required of a given career field, that are aligned to curriculum and instruction. work-based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work-based experiences and assist in evaluating achievement and performance. Related Instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway and shall be taught during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies.

- Recommended Grade(s): 12
- Required Prerequisites: Complete at least one advanced CTE course from a program or program of study. Worksite placement must align to the student pathway.
- Recommended Prerequisites: none
- Credits: 1 semester course, 1-3 credits per semester, 6 credits maximum
- A minimum of 85 hours of workplace and classroom activities are required for one credit; 170 hours are required for the two credits. Of the 85 or 170 hours, 18 to 36 hours (at least)
- Counts as a directed elective or elective for all diplomas

Career and Technical Education (CTE)

The Governor's Workforce Cabinet's Office of Career and Technical Education launched new Career and Technical Education (CTE) courses for the 2022-2023 school year. This initiative, called Next Level Programs of Study (NLPS), aims to improve the consistency, quality, and intentionality of CTE programs throughout Indiana. To avoid confusion and to help with the transition to NLPS courses, The CTE portion of the Course Titles and Descriptions has been divided into two separate sections. The first section includes all of the new NLPS courses, including capstone courses and recently developed pathways like Vet Careers, Dental Careers, Computer Science, and Radio and TV Broadcasting, that have been developed over the last two years. The first section also includes Perkins IV (previously existing) courses that are expected to be maintained through the transition to NLPS, like introductory, foundational, and nonstandard CTE courses. The second section includes all of the Perkins IV (previously existing) courses that will be phased out after the 2023-2024 school year. Additional Changes in the Course Titles and Description: Most of the Perkins IV level I courses have been reduced from a maximum of 3 credits per semester to a maximum of 1 credit per semester. The Perkins IV level II courses will be reduced to 1 credit per semester for the 2023-24 school year. Questions regarding Indiana's CTE system can be directed to CTE@gov.IN.gov or may be answered in the NLPS FAQ Document. Please visit the CTE Programs of Study webpage to view additional NLPS resources.

AGRICULTURE

7117 Principles of Agriculture (PRIN AG) (DC)

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

5088 Agriculture Power, Structure, and Technology (AG POW) (DC)

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

- Recommended Grade(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

7112 Agriculture Structures Fabrication and Design (AG ST FAB DES) (DC)

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

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

5008 Animal Science (ANML SCI) (DC)

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
- Fulfills a physical science requirement for General Diploma

5170 Plant and Soil Science 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
- Fulfills a Physical Science requirement for the general diploma

5074 Advanced Life Science, Plants and Soils (L) ALS PLT/SL (DC)

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, 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.

5228 Supervised Agricultural Experience (SAE)

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

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 1 semester course, 1 credit per semester, 8 credits maximum
- Counts as a directed elective or elective for all diplomas.
- Curriculum content and standards-based plan for learning should not be duplicated when this course is taken for multiple semesters.

BUSINESS

4562 Principles of Business Management (PRIN BUS) (RW)

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

5914 Marketing Fundamentals (RW)

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): 10, 11, 12
- 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
- Offered every other year with Strategic Marketing

5918 Strategic Marketing (RW)

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

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Business Management, Marketing Fundamentals
- Recommended Prerequisites: none

- : 2 semester course, 2 semesters required, 1-2 credits per semester, 4 credits maximum
- Counts as a directed elective or elective for all diplomas
- Offered every other year with Marketing Fundamentals

7150 Personal Finance and Banking (PERSON FIN/BNK) (RW)

Personal Finance and Banking emphasizes management of individual financial resources for growth and maintenance of personal wealth. Covers home buying and mortgage financing, installment financing, life and health insurance, securities, commodities and other investment opportunities. Students will gain an overview of the banking industry and the financial services provided by banks for individuals and businesses.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

5258 Finance and Investment (FIN INVEST) (RW)

Finance and Investments addresses the need of schools in areas that have workforce demand in the finance industry. It analyzes and synthesizes high-level skills needed for a multitude of careers in the banking and investment industry. Students learn banking, investments, and other finance fundamentals and applications related to financial institutions, business and personal financial services, investment and securities, risk management products, and corporate finance.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Business Management; Personal Finance and Banking or Accounting 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
- Counts as a quantitative reasoning course
- Formerly Banking and Investment Capstone; Principles course is not required until 2024-2025 school year because this course is included in Perkins V pathways.

5974 Work Based Learning (WBL) Capstone

Work Based Learning Capstone is a stand-alone course that prepares students for college and career. Work-Based Learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, first hand engagement with the tasks required of a given career field, that are aligned to curriculum and instruction. Work Based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement

and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work-based experiences and assist in evaluating achievement and performance. Related Instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway and shall be taught during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies.

- Recommended Grade(s): 12
- Required Prerequisites: Complete at least one advanced career and technical education course from program or program of study. Worksite placement must align to the student pathway.
- Recommended Prerequisites: none
- Credits: 1 semester course, 1-3 credits per semester, 6 credits maximum
- A minimum of 85 hours of workplace and classroom activities are required for one credit; 170 hours are required for the two credits. Of the 85 or 170 hours, 18 to 36 hours (at least
- Counts as a directed elective or elective for all diplomas
- Does not count toward concentrator status.

CONSTRUCTION TRADES

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): 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

7123 Construction Trades: General Carpentry

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): 10, 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

FAMILY AND CONSUMER SCIENCES (FACS)

5394 Preparing for College and Careers (PCC) (RW)

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals, examining multiple life roles and responsibilities as individuals and family members, planning and building employability skills, transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real world experiences, is recommended.

- Recommended Grade(s): 8
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Only 1 credit may count toward CTE Concentrator Status for Perkins IV Pathways
- Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement
- Counts as a directed elective or elective for all diplomas

CULINARY ARTS

7173 Principles of Culinary and Hospitality (PRIN HOSP) (RW)

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
- 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

7171 Nutrition (NUT) (Formally Culinary Arts I) (RW)

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

7169 Culinary Arts (CUL ARTS) (Formally Culinary Arts II) (RW)

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, international dishes, and special projects.

- 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

EDUCATION PROFESSIONS

7161 Principles of Teaching (PRIN TEACH) (DC)

Introductory course. It is especially relevant for students interested in careers that draw on knowledge of children, child development, and nurturing of children. First Semester Focuses on the Child Development Aspect; Parenting and Family Planning; Prenatal Development & Birth process; Child's physical, emotional, social, and cognitive development (birth-early elementary); Children's Health & Safety; Real Care Baby Simulation. Second Semester Focuses on Exploring Teaching Concepts; Continue child physical, emotional, social, and cognitive development (birth-elementary); Explore educational careers; Teaching preparation; Professional expectations as well as requirements for teacher certification; Exam current trends and issues in education; Create Lesson plans and develop activities; Elementary Classroom Experience; A minimum 20 hours of classroom observation experience is required for the successful completion of this course.

- 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

7157 Child and Adolescent Development (CHLD ADL DEV) (Ed Prof I)

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): 10, 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

7162 Teaching and Learning (Exceptional Child)

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): 10, 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

7267 Education Professions Capstone (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 diplomas.

4540 Personal Financial Responsibility (PERFINRSP)

ADULT ROLES AND RESPONSIBILITIES

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt. A project based approach and applications through authentic settings such as work based observations and service learning experiences are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged. Topics included are managing money, managing credit, insurance, savings and investing. Guest speakers will be invited to present on various topics.

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

5334 Consumer Economics CONS ECON

Consumer Economics addresses questions that directly affect family economic well-being. Students study available options and how to get the most for their money in specific areas of spending, such as food, transportation, housing, and insurance. Students will explore topics such as: supply and demand, market structure, financial institutions, trade, and individual/family economic roles

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

HUMAN AND SOCIAL SERVICES

7176 Principles of Human Services (PRIN HUM SERV) (RW)

The Development of Self-Concept and Student Value System

Balancing your Work-Life; Building and Maintaining Healthy relationships in the workplace and at home; Identifying healthy and unhealthy relationships; Substance Abuse, Pregnancy, STI prevention and Real Care Baby Simulation, Families Dimensions, Marriage, Children and Growing Older and Job Shadowing opportunities; Community Service And Civic responsibility projects.

Preparing for Career Success

Investigating Principles and Theories in the Human & Social Services field of study; Identifying your personal brand; Exploring Career & Education options; Highlight Human & Social Service Careers; Conducting Job Searches; Applying & Interviewing for jobs; Maintaining a healthy lifestyle and appearance; Employability Skills; Labor unions, Workplace laws, health and safety in the workplace; Managing your Income; General communication Skills - highlighting cultural awareness in the workplace; Medical care and Health insurance.

- 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
- Guest speakers

7174 Understanding Diversity (UND DIV) (RW)

Understanding Diversity 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. Additional areas of focus are Interpersonal Relationships and Personal/Workplace settings which includes but is not limited to: areas of cultural competence and identity, determination of local needs, professional and ethical behaviors, investigating principles and theories in the Human and Social Services field of study and identifying your personal brand.

- Recommended Grade(s): 10, 11, 12
- Prerequisites: Principles of Human Services
- 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
- Guest speakers

7177 Relationships and Emotions (REL EMO) (RW)

This class focuses on Adult Roles and Responsibilities. It examines the key elements of healthy relationships and responsibilities of adulthood. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. It also

includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources. Students will explore various relationships through the lifespan and the impact that emotional/relationship history has on current and future relationships.

- Recommended Grade(s): 10, 11, 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

7241 Human Services Capstone (HUM SRV CAP

)

This course provides opportunities to increase effectiveness in helping people. Examines the helping process in terms of skills, helping stages, and issues involved in a helping relationship. This course also introduces and develops basic interviewing skills. Includes assessment strategies and treatment planning. This course provides basic information about the problems of alcohol and other drug abuse. Explores symptoms and effects of abuse and dependence on individuals, families, and society. Additionally, this course studies group dynamics, issues and behavior. Includes group functioning and leadership, guidelines on working effectively with a co-leader, and practical ways of evaluating the group processes. It provides an overview of legal and ethical aspects in the field of human services with implications for the human service worker. Includes topics such as confidentiality, rights of clients, client records, equal protection for staff and clients, and discrimination. The Human Service Ethical Code and related codes are covered with an overview of ethical dimensions of practice.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Relationships & Emotions; Understanding Diversity
- 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

WILDCAT CREEK COOPERATIVE SHARED PROGRAMS

COSMETOLOGY

7330, 7331, and 7332 Cosmetology (RW)

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. Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Cosmetology. Clinical application and theory in the science of cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours. Advanced Cosmetology will emphasize the development of advanced skills in styling, hair coloring, permanent waving, facials and manicuring. Students will also study anatomy and physiology as it applies to cosmetology. Successful completion of the course requires at least 375 Cosmetology studio hours.

- 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
- This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.

CRIMINAL JUSTICE

7193, 7191, and 7188 Criminal Justice (DC)

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.

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.

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: 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

FIRE AND RESCUE

7195 Principles of Fire and Rescue PRIN FIRE RE (RW)

Principles of Fire and Rescue introduces students to the various roles that firefighters and emergency services workers play to protect the public from the loss of life and property. They are frequently the first emergency personnel at the scene of a traffic accident or medical emergency and may be called upon to put out a fire, treat injuries or perform other vital functions. This course will introduce students to the history, terminology, and basic

firefighting skills needed for a beginning firefighter. Additionally students will develop a career plan for a career in public safety; including areas of Fire Science, Homeland Security, and Emergency Medical Services.

- 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

7189 Fire Fighting Fundamentals FIRE FGHT FUN

Fire Fighting Fundamentals is for those students who are seeking certification as a firefighter. This course will prepare students for the Hazardous Materials Awareness and Operations certifications and will introduce students to NFPA 1001 which serves as the standard of measurement for all firefighters in North America. Students will learn the knowledge and hands-on practical skills for managing and controlling a hazardous materials incident required for the certifications. Furthermore, students will study how a fire behaves and will learn the basic firefighting skills needed to extinguish a fire while protecting themselves and other firefighters.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Fire and Rescue
- 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

7186 Advanced Fire Fighting (ADV FIRE FGHT) (RW)

Advanced Fire Fighting expands upon the principles and techniques of firefighting learned in Fire Fighting Fundamentals. Students will study fire protection systems, firefighter safety and survival. Students will also learn what fire is, the chemical hazards of combustion, and related by-products of fire. Additionally, students will gain a better understanding of fire department organization, administration, operations, and basic strategies and tactics.

- Recommended Grade(s): 10, 11, 12
- Recommended Prerequisites: none
- Required Prerequisites: Principles of Fire and Rescue; Fire Fighting Fundamentals
- 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 SERVICES

Emergency Medical Services, Pre-Nursing, Certified Nursing Assistant

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): 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

5274 Medical Terminology MED TERMS (RW)

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

7165 Emergency Medical Tech EMS (RW)

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
- The EMT course may be offered along with Principles of Healthcare and Medical Terminology as part of a 3 period block of time.

7166 Healthcare Specialist: CNA (RW)

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): 10, 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

INFORMATION TECHNOLOGY

7183 Principles of Computing PRIN COMP INFO (RW)

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

- Recommended Grade(s): 9, 10, 11
- Recommended Prerequisites: Introduction to Computer Science; Completed or Co-Enrolled in Algebra I
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- Counts as a quantitative reasoning course
- Counts as a science credit

7180 Information Technology Fundamentals INFO TECH FUN (RW)

Information Technology Fundamentals provides the necessary competencies required for an entry-level Information Technology professional. Students will have the knowledge required to assemble components based on customer requirements, install, configure and maintain devices/software for end users, understand the basics of networking and security, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills. Students will also learn appropriate customer support, understand the basics of virtualization, desktop imaging, and deployment. This course should also prepare students for the CompTia A+ Certification Exam.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Computing
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

7181 Networking and Cybersecurity Operations INFO TEC SUP SER (RW)

Advanced Information Technology will provide students with the fundamental concepts in networking and cybersecurity. Students are introduced to the principles and concepts of computer networking, covering the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. Students will be able to troubleshoot routers and switches and resolve common issues. The students will also explore the field of Cyber Security/Information Assurance focusing on the technical and managerial aspects of the discipline. Students will be introduced to the basic terminology, concepts, and best practices of computer/network security and the roles and responsibilities of management/security personnel. The students will learn the technologies used and techniques involved in creating a secure computer networking environment including authentication and the types of attacks against an organization.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Computing; Information Technology Fundamentals
- 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 science credit

7249 IT Operations: Cybersecurity Operations Capstone CYBER OPER CAP (RW)

Cybersecurity Operations Capstone course introduces the core security concepts and skills needed to monitor, detect, analyze and respond to cybercrime, cyberespionage, insider threats, advanced persistent threats, regulatory requirements, and other cybersecurity issues facing organizations. It emphasizes the practical application of the skills needed to maintain and ensure security operational readiness of secure networked systems through an in-depth coverage of network protocols and ethical hacking. Through hands-on instruction students will be prepared to interact with TCP/IP on the vast majority of networks in use today and learn threats and defense mechanisms. The skills developed in the curriculum prepares students for a career in the rapidly growing area of cybersecurity operations

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Computing; Information Technology Fundamentals; Networking and Cybersecurity Operations
- 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

FRANKFORT PROGRAMS (Admittance based on space availability)

AUTOMOTIVE TECHNOLOGY

7213, 7205, 7212, and 7375 Auto Tech (RW)

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. Also, 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.

This course gives students an in-depth study of vehicle electrical systems. Students will study the fundamentals of electricity and automotive electronics in various automotive systems. Additionally, it 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.

This course takes an in-depth look at engine performance, including concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. This course also takes an in-depth look at engine performance, including advanced concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. Hybrid/Alternative fuel technology will also be introduced.

This course further explores important skills and competencies within the Automotive Service Technology Pathway. Topics such as Steering & Suspension, 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: 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

WELDING

7110, 7111, 7101, and 7226 Welding (RW)

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.

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.

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.

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, 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