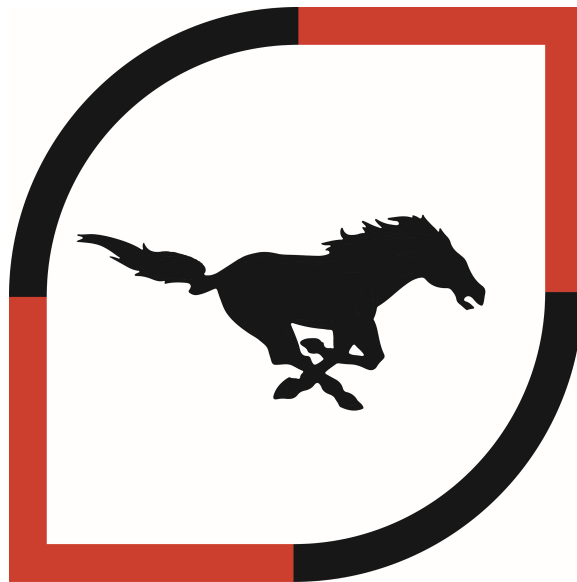


EHS Curriculum Guide



2026-27

Last updated: August 3, 2026

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Foreword

The educational philosophy of the Richland-Bean Blossom Community School Corporation is the maximum development of the total person so that he/she may contribute to society. We believe that every pupil has a potential or aptitude that, when discovered through a variety of learning experiences, will permit him/her to become a successful member of our ever-changing society. An integration of well-planned curricular and extracurricular activities will stimulate a continuous progress and adjustment that will carry students throughout life.

The purpose of this curriculum guide is to provide both the student and his/her parents with the information necessary to plan his/her educational program at Edgewood High School. We hope that this guide will help in the development of a program of courses that will allow a student to obtain a basic educational background so he/she will be successful in the future. By working with students, the staff will help in the development of an educational plan of high school courses so that the student will be able to start an educational or occupational program after high school meeting both his/her interests and abilities.

All courses and facilities offered at Edgewood High School are open to any student regardless of sex, race, national origin, or handicapping condition. Certain prerequisites may be required before taking some courses. Auditions may be required for some music courses.

If in any case you feel that discrimination has taken place, you should contact the building principal at 812-876-2277. For further information, clarification, or complaint, you should contact the superintendent, Richland-Bean Blossom Community School Corporation at 601 Edgewood Drive, Ellettsville, Indiana, 47429. The superintendent serves as Title IX and Section 504 Coordinator and may be reached by telephone at 812-876-7100.

Edgewood High School

EDGEWOOD HIGH SCHOOL POLICY

EARLY GRADUATION

Students are permitted to graduate in fewer than eight semesters; however, the school does not endorse early graduation, and colleges and universities much prefer that students stay in high school for the full eight semesters. All graduation requirements must be met regardless of graduation date. Your student's counselor will help create a proper Graduation Plan.

Students will not be permitted to graduate early if doing so results in changing their diploma track that was established throughout their high school career.

No six or seven semester graduates will be considered for Valedictorian or Salutatorian, regardless of G.P.A or rank. See VALEDICTORIAN/SALUTATORIAN policy for more details.

EDGEWOOD HIGH SCHOOL CREDIT POLICY FOR HIGH SCHOOL COURSES TAKEN DURING JUNIOR HIGH SCHOOL (Algebra I; Honors Geometry; Honors Biology I)

For any high school course taken prior to Grade 9:

- Algebra I
 - Honors Geometry
 - Honors Biology I
 - Prep for College and Careers
 - Computer Foundations
- If a student fails the course, he/she will have to repeat the course the following school year.
 - Semester grades (and credits) will appear on the high school transcript and will be factored into the high school cumulative GPA, which could affect valedictorian/salutatorian eligibility, etc. If the student does not want those grades to appear on the high school transcript, he/she must repeat the course the following school year. If the course is repeated, the new grades will replace the original grades on the high school transcript. (This opportunity only applies to high school courses taken prior to Grade 9.)

Example:

Student A takes Algebra I as a 7th grade and earns a C each semester. Student A chooses to retake Algebra I in 8th grade and earns a B each semester. Student A's high school transcript will show Algebra I taken in 8th grade with a B each semester.

It is important to consider that if a student receives high school credit, the grade becomes a part of the student's high school transcript and in turn is used in calculating grade point average (G.P.A) and class rank. While the grade for one class does not have a tremendous impact on a student's G.P.A or class rank, it does have some impact which, in turn, can affect college admission, college scholarships, state-awarded financial aid for college, collegiate athletic eligibility, selection of valedictorian, Academic Honors Diploma and Technical Honors Diploma recipients, etc.

EXCHANGE STUDENTS

Edgewood High School welcomes foreign exchange students and recognizes the benefits such programs make possible in terms of cultural exchange for both the foreign exchange student and our own student body.

According to State Department of Education guidelines, high schools are to be furnished with complete transcripts and health records for the potential exchange student **PRIOR** to the student's arrival; this allows time for analysis of courses taken in order to place the student in appropriate classes. Host families should notify guidance office personnel as soon as they know they are getting an exchange student and arrange an appointment for enrollment. ***Currently, Edgewood will accept up to a maximum of two exchange students during an academic year on a "first-come, first-served" basis.***

Exchange students are expected to abide by the same rules and policies as regularly enrolled Edgewood students. Failure to do so can result in the removal of the exchange student from Edgewood High School at any time during the school year. Edgewood High School is under no obligation to find alternate placement for an exchange student who is asked to withdraw for disciplinary reasons.

Exchange students will be given a "Certificate of Attendance" and will not be issued a diploma. (Note: Exchange students are not eligible as candidates for valedictorian or salutatorian, or to receive a high school diploma.) They can, if they choose, be recognized as exchange students at commencement exercises.

Edgewood students who elect to spend time in a foreign exchange program in lieu of attendance at their home high school must have grades from the foreign school figured into their G.P.A. and class rank. These grades will appear on the Edgewood transcript.

HSE—High School Equivalency (formerly GED)

Edgewood High School does not have an on-site HSE program, but more information may be obtained by calling the Adult Education Coordinator at the Broadview Learning Center (812-330-7731). Students who withdraw from school must be at least 18 years old to take the HSE exam or have completed the HSE preparatory course.

HOMESCHOOLING

Parents who elect to educate their children at home should furnish Edgewood High School with their homeschool number (which is issued by the State Department of Education). Further information on homeschooling can be obtained by calling the Indiana Department of Education, Office of Student Services, at 317-232-9111 or by visiting their website at <http://www.doe.in.gov/student-services/home-school>.

Edgewood High School does not grant credit for homeschooling with the exception of programs that are accredited by NCA or the Indiana State Board of Education.

HOMEBOUND STUDENTS

Students with extended or chronic illness or injury may qualify for homebound instruction. To be eligible, a physician must complete a Physician's Referral Form documenting that the student has one of the following:

1. An illness or injury that will require hospitalization or homebound care for a minimum of twenty (20) consecutive instructional days, or if the illness occurs less than twenty (20) days prior to the end of the school year and the student needs instruction to meet promotion or graduation requirements, that the student will require hospitalization or homebound care through the end of the current school year.
2. The student has a chronic illness or other medical condition that will require periodic hospitalization or homebound care for an aggregate of at least twenty (20) instructional days over the period of the school year.

HONOR ROLL

Each nine-week grading period students who are on diploma track, are taking at least five full credit subjects, and have a G.P.A of 3.0 and above in any subject area are eligible for the honor roll. Those with a G.P.A of 3.75 and above are eligible for the high honor roll. A student who makes a grade of "C" in any class will not be eligible for honor roll status.

ONLINE COURSES

If a student fails a required course, he or she may, **with counselor or administrative approval**, make that course up in night school or an accredited online program approved by EHS administration. Permission is not generally granted to take a course that is offered at Edgewood unless the student has already taken and failed the course here or otherwise will not graduate without the outside credit. Courses not offered at Edgewood may be taken from outside sources for credit with counselor or administrative approval.

REPEATING A COURSE

A student is permitted to repeat a course if there is an academic need (i.e. to fulfill diploma requirements, or if recommended by a postsecondary institution). Per teacher recommendation, students may be required to repeat a passed course to advance to the next level.

Both the first and second grades earned will appear on the transcript, and the first grade will be preceded by an "R" to indicate that the course has been repeated. State law prevents schools from awarding more than one credit per class (except where noted); therefore, the student will earn credit only for the final time the course is taken. Only one of the grades will calculate into the cumulative G.P.A.

The following rules will determine which grade calculates into the cumulative G.P.A. when a course is repeated:

- If the student earns a D+, D, D-, or F for the original grade of a one-semester course, then that grade will not be calculated into the cumulative G.P.A. The new grade will calculate into the G.P.A.
- If the original grade was a C- or higher, then the student may be allowed to repeat the course, but the original grade will be the grade that calculates into the cumulative G.P.A.
- If the student earned a D+, D, D-, or F for the original grade of either semester of a two-semester (year-long) course, then the original grades of both semesters will not calculate into the cumulative G.P.A. The new grades for both semesters will calculate into the G.P.A. (For example, if a student earns a C first semester of Algebra I and a D second semester of Algebra I, he/she can repeat the entire year of the course and neither of the original grades will calculate into the cumulative G.P.A. The new grades will be calculated into the cumulative G.P.A.)
- If the student earned below a C- for the original grade (for a one-semester course or either semester of a two-semester course) and earns a lower grade when the course is repeated, then the higher grade will calculate into the cumulative G.P.A.

SCHEDULE CHANGE POLICY

Note: EHS Administration has final approval for any student's schedule.

Designing your schedule is a serious decision. The high school budget is prepared, staff is hired, and the master schedule is developed based on student course requests. Once classes are scheduled, it may be difficult to change classes because many of the classes will have maximum enrollment and the master schedule has been built. February 1st is the priority deadline for requesting a schedule change for the following school year. Changes are not guaranteed after this priority deadline. Requests for changes will be determined on a case-by-case basis; course availability will be strongly considered when considering request, and priority will be given to students whose requests are based on the following factors:

- A student has failed a required course
- A student fails to enroll in a course required for graduation or to meet a career/college prep requirement
- A student changes his/her diploma type
- A student demonstrates poor achievement in a prerequisite course and is advised not to enroll in an advanced course
- A student does failing work during the first semester and is advised not to continue in the second semester unless it is a required course

The following policies also apply to schedule changes:

- Leveling up or down in a course (i.e., moving from Algebra I to Algebra II, or vice versa), once the semester has started, is allowed only with administrator approval.
- If necessary a schedule change becomes evident after semester grades are finalized, additional assessment results are received, etc., the student's guidance counselor will notify the student and/or parent.
- Students removed from class for discipline reasons will receive a grade of withdrawal failure (WF) which calculates as an F in the GPA. Students removed from class for attendance reasons will receive an NC (no credit) which does not affect the GPA.
- Under rare circumstances a student may be permitted (with administrative approval) to drop a class after the **first five school days of either semester**; this may result in a letter grade of "WF" (withdrawn/failing) for that semester. The "WF" will show on the student's transcript and will be figured into the grade point average as an "F."
- Students cannot request a specific teacher for any class.

SUMMER SCHOOL

A limited number of courses are sometimes offered through summer school at Edgewood High School. These are generally courses that are required for graduation. When students have failed required courses and the appropriate replacement courses are offered through summer school, these students are strongly encouraged to make up the failed class in summer school.

TAKING UNIVERSITY COURSES

Students in grades 11 and 12 may be eligible to take courses through an accredited public or private college or university located in Indiana that grants a baccalaureate or associate degree. I.U. requires a 3.0 or higher GPA.

Eligibility to take university courses will be granted provided students will be able to complete their normal high school credits within the regular graduation time periods. **University credits will not normally be approved for high school credit if the course is offered in the high school curriculum.**

Students planning on taking a university course off-campus must initially sign up for a full course load at Edgewood; the schedule will then be adjusted when proof of enrollment in the college course is presented.

Upon successful completion of a university course, one high school credit per course will be awarded per semester for college courses resulting in 1-3 college credits; two high school credits will be awarded per semester for college courses resulting in four or more college credits. Grades in these courses will be counted in the high school grade point average if the student chooses to receive high school credit for the course. If the course is to count toward the high school diploma, the grade and credit will appear on the high school transcript, and will figure into the student's GPA.

If the university credit is to be counted toward meeting high school graduation requirements, the credit must be reported in time to be placed on the student's high school transcript before graduation. Participation in graduation ceremonies will not be permitted if the student is lacking a credit at the time of the ceremony.

Students should notify their counselor if they are interested in taking a university course(s). Parents/students are responsible for transportation, tuition, and furnishing a transcript of credits earned from a university if Edgewood High School is to grant credit. Edgewood High School assumes no liability for students who are taking university courses during the school day.

VALEDICTORIAN/SALUTATORIAN

A student must earn an Academic Honors Diploma, attend all eight semesters of high school, and attend Edgewood High School during grades 11 and 12 to be eligible for valedictorian or salutatorian. No six or seven semester graduates will be considered, regardless of G.P.A or rank. Students who wish to be considered for valedictorian or salutatorian must meet full-time student status by earning a minimum of six high school credits per semester. (Medical circumstances will be considered if a student fails to meet the full-time requirement.) Students who wish to take a college course on a university campus may take a combination of one college course maximum and earn a minimum of five high school credits per semester.

The valedictorian and salutatorian positions of each class will be declared at the end of the eighth semester. These are awarded to students who earn an Academic Honors Diploma (and attend EHS during grades 11 and 12) with the highest and second-highest rankings (respectively) in their class. If more than one student qualifies for valedictorian, there will be no salutatorian.

When a weighted grading scale is used, it is possible for students who earn the same grades to have different cumulative G.P.A.s depending upon the number of credits earned. (This can occur because the cumulative G.P.A. is calculated by dividing G.P.A. points by the number of credits earned.) In order to ensure that no student is adversely affected by this, students who earn the exact same grades will be given equal consideration for the valedictorian and salutatorian positions. [The student's original calculated G.P.A. is the G.P.A. that will appear on the transcript and thus will be reported to colleges, etc].

WEIGHTED GRADES POLICY

Edgewood High School's weighted grades policy will take effect beginning with the 2010-11 school year for students in the class of 2012 and beyond. **Only college credit classes through Indiana University Bloomington's Advance College Project (ACP) program as well as the College Board's Advanced Placement AP program will be awarded an additional GPA point for a passing grade.** College credit or AP courses taken outside of Edgewood High School will not be weighted unless the student completed courses at an accredited high school upon transferring into Edgewood.

Grading Scale			
Grade	Percent	Non-weighted course	Weighted Course (AP/ACP)
A+	99-100	4.00	5.00
A	93-98	4.00	5.00
A-	90-92	3.67	4.67
B+	87-89	3.33	4.33
B	83-86	3.00	4.00
B-	80-82	2.67	3.67
C+	77-79	2.33	3.33
C	73-76	2.00	3.00
C-	70-72	1.67	2.67
D+	67-69	1.33	2.33
D	63-66	1.00	2.00
D-	60-62	0.67	1.67
F	<60	0.00	0.00

Advantages to weighted grades include:

1. encouraging students to take rigorous courses,
2. higher class rankings for those who take more demanding courses, and it
3. encouraging students to take AP courses which is part of the Indiana Department of Education Action Plan which states 25% of all graduates receive a score of 3, 4 or 5 on at least one Advanced Placement exam, a 4 or higher on an International Baccalaureate exam, or receive the equivalent of 3 semester hours of college credit during their high school years.

CHOOSING CURRICULUM AND COURSES

Note: EHS Administration has final approval for any student's schedule.

Edgewood High School Minimum Credit Requirement

Edgewood High School students are required to be enrolled in at least 6 credited classes to remain a student in good standing. Exceptions to this are off-campus college courses, other advanced study opportunities or special programs.

College Preparatory Curriculum Requirements

Choosing courses for the college preparatory curriculum can be somewhat confusing based on the fact that different colleges have different requirements for admissions. Generally, it is recommended that students prepare by taking as many courses as possible in the following areas during four full years of high school: English, mathematics, science, social studies, and world language. **Check with counselors and college admissions websites for the specific requirements of any particular college or school in which you have an interest.** Colleges evaluate your transcript for grades and level of academic rigor. Additionally, most colleges require that you rank in the top half of your class and score at their acceptable level on the SAT or ACT. Most four-year colleges in Indiana require students to complete either a Core 40, Academic Honors, or Technical Honors Diploma. There may be other specific requirements for certain schools and majors.

In order to promote a college preparatory curriculum, students are limited to one of the following courses each semester: Peer Tutoring; Study Hall; Library Assistant; Office Assistant; Teaching Assistant. *(Exceptions can be made on a case-by-case basis with administrative approval.)*

Vocational Curriculum Requirements

Students interested in a vocational curriculum should plan the courses they take during their freshman and sophomore years so that they will have the background subjects that may be prerequisites for entering a vocational school program as a junior. Vocational and technical programs are offered through the Hoosier Hills Career Center. These students take four courses each semester at Edgewood High School as juniors and/or seniors and three hours at the vocational school in the program they have chosen. It is very important to pass all courses during the freshman and sophomore years in order to stay on schedule for graduation and to be eligible for a vocational program. See the vocational course offerings and your counselor for more information. Vocational course listings are located in the "Hoosier Hills Career Center Program Descriptions" section.

EHS DIPLOMAS AND CERTIFICATES

The following diplomas and certificates are available to graduates of Edgewood High School:
(See the “EHS Diploma Requirements” for specific requirements.)

Core 40 with Academic Honors Diploma

This is the most rigorous, college-prep honors diploma available. Students interested in attending a selective college (including IU and PU) should aim toward earning this diploma.

Core 40 with Technical Honors Diploma

This is a rigorous, college-prep diploma. This diploma is well suited for students who attend the Hoosier Hills Career Center and those who wish to focus on a technical area.

Core 40 Diploma

This is the minimum diploma recommended by EHS. It is a college-prep diploma that is required for admission to most four-year Indiana colleges.

General Diploma

Students who opt out* of the Core 40 Diploma can earn a General Diploma. With this diploma, students can typically attend a two-year college (Ivy Tech, VU), join the military, or enter the workforce.

Certificate of Course Completion

Students who complete all course requirements for the General Diploma but do not meet the ISTEP+ Assessments requirement will earn a Certificate of Course Completion.

Certificate of Completion

Special education students that meet certain course requirements will earn a Certificate of Completion.

Certificate of Accomplishment

Special education students that meet requirements as outlined in the Individual Education Plan (IEP) will earn a Certificate of Accomplishment.

***Opt Out Procedure**

All students are expected to earn at least the Core 40 Diploma unless they formally opt out of that program into the General Diploma track. The opt out procedure includes a meeting with the student, parent, and school counselor.

NO STUDENT WILL BE PERMITTED TO PARTICIPATE IN GRADUATION EXERCISES UNLESS ALL REQUIREMENTS ARE MET PRIOR TO THE CEREMONY.

GRADUATION PATHWAYS



Indiana GRADUATION PATHWAYS

The path to graduation is not one-size-fits-all. Indiana provides many pathways for students to earn a high school diploma.

OVERVIEW

Students starting with the Class of 2023 must meet all of the following:

- 1 Credits
- 2 Learn & Demonstrate Employability Skills
- 3 Postsecondary-Ready Competencies

DIPLOMA REQUIREMENTS

1 Credits

Earn credits toward a diploma with designation.

- Core 40 - minimum 40 credits
- Academic Honors - minimum 47 credits
- Technical Honors - minimum 47 credits
- General

2 Learn & Demonstrate Employability Skills

Produce defined outcome(s) based on experience.

Defined Outcome Options

Videos
Papers
Resume
Dual Credit
Certifications
Portfolio
Projects
Slideshows
Presentation
Five Year Goal Plan
Reflection of Experience
Letters of Recommendation
Letter of Employment Verification
Postsecondary-related Experiences
Co-Curricular Participation
Extra-Curricular Participation
Locally Defined Outcome

3 Postsecondary-Ready Competencies

Meet *at least one* of these competencies.

- **Honors Diploma**
academic or technical
- **SAT**
reading/writing = 480, math = 530
- **ACT**
english = 18, reading = 22, math = 22, science = 23 (2 out of 4 needed with at least one in English/Reading and one in Math/Science)
- **ASVAB**
minimum of 31
- **Industry Certification**
certification from approved DWD list
- **Apprenticeship**
federally recognized
- **CTE Concentrator**
C average or higher in at least 2 advanced HS courses in a state-approved CTE Pathway
- **AP/IB/Dual Credit/ Cambridge International/CLEP**
C average or higher in 3 courses (1 of the 3 courses must be in core content area or all three must be part of a CTE pathway)
- **Locally Created Pathway**
approved by SBOE
- **Waiver**
see listed web link

TRACKING

- 1 Transcript with Completed Courses
- 2 Work Toward Completion of One of the Experiences *Below*
- 3 Course Selection, Graduation Plan, & Testing Opportunities

Project-Based Experience

Allows students to gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging, and complex question.

Service-Based Experience

Integrates academic study with service experience, reflects larger social, economic, and societal issues, and collaborative efforts between students, schools, and community partners.

Work-Based Experience

Activities that occur in a workplace while developing the student's skills, knowledge, and readiness for work.



Please Visit: <https://www.doe.in.gov/graduation-pathways>
Questions: DOEGradpathway@doe.in.gov



Graduation Pathways

Core 40, Academic Honors, Technical Honors Designations

Core 40 Designation

English

- 2 cr English 9 or Honors English 9
- 2 cr English 10 or Honors English 10
- 2 cr English 11 or AP English Lang & Comp
- 2 cr Choose one of the following:
 - English 12
 - AP English Lit & Composition
 - ACP Adv Comp (W131) & ACP Lit Interp (L202)
 - ACP Adv Comp (W131) & English 12

Math

- 2 cr Algebra I
- 2 cr Geometry or Honors Geometry
- 2 cr Algebra II or Honors Algebra II

***Note:** A math or quantitative reasoning course (QR) is required each year in high school. (Refer to QR course list)

Science

- 2 cr Biology I or Honors Biology
- 2 cr Integrated Chemistry-Physics; Chemistry I; Honors Chemistry; or Physics I
- 2 cr Additional Core 40 science course

Social Studies

- 2 cr Geography/History of the World
- 2 cr US History or ACP US History (grade 11)
- 1 cr Government or AP US Government & Politics (grade 12)
- 1 cr Economics or AP Macroeconomics(grade 12)

Health & Physical Education

- 2 cr PE I & PE II (grade 9) or PE Waiver in lieu of PE II
- 1 cr Health & Wellness (grade 10)

Personal Finance

- 1 cr Personal Financial Responsibility (grade 10)
- Students must take Prep for College & Careers (grade 8)

Directed Electives

- 5 cr Refer to Directed Electives course list

Must earn a total of 40 credits

Academic Honors Designation

Complete Core 40 requirements plus:

1. Complete:
 - a. Pre-Calculus, ACP Pre-Calculus, ACP Finite Mathematics, or AP Statistics
 - b. Three years of one world language or two years each of two world languages
 - c. Two fine arts credits
2. Earn a C- or higher (semester grade) in any course that will count toward this diploma
3. Graduate with an overall GPA of 3.0 or higher
4. Complete one of the following:
 - a. Earn 4 credits in 2 or more AP courses* and take corresponding AP exams **
 - b. Earn 6 verifiable transcribed college credits
 - c. A minimum of 3 verifiable transcribed college credits from AND 2 credits in AP courses* and take corresponding AP 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 reading and writing section
 - e. Earn an ACT composite score of 26 or higher and complete written section
5. **Earn a total of 47 credits**

* See "AP & Dual HS/CC" section for list of courses

** No minimum AP exam score is required

Technical Honors Designation

Complete Core 40 requirements plus:

1. Earn 6 credits in a state-approved College & Career Pathway* and one of the following:
 - a. State approved, industry recognized certification or credential
 - b. Pathway dual credits from approved dual credit list resulting in 6 transcribed college credits
2. Earn a C- or higher (semester grade) in any course that will count toward this diploma
3. Graduate with an overall GPA of 3.0 or higher
4. Complete one of the following:
 - a. Any one of the options (a-e) of the Core 40 with Academic Honors requirements
 - b. Score at or above the following levels on Work Keys:
 - Reading for Information—Level 6
 - Applied Mathematics—Level 6
 - Locating Information—Level 5
 - c. Score at or above the following levels on Accuplacer:
 - Writing—80; Reading—90; Math—75
 - d. Score at or above the following levels on COMPASS:
 - Algebra—66; Writing—70; Reading—80
5. **Earn a total of 47 credits**

* See College and Career Pathway list

General Designation

Note: Students are required to be on track for a Core 40 Diploma unless a formal "Opt Out" meeting has taken place (including the student, parent, and school designee) where the student was placed on the General Diploma track.

English

- 2 cr English 9 or Honors English 9
- 2 cr English 10 or Honors English 10
- 2 cr English 11 or AP English Language & Comp.
- 2 cr Choose one of the following:
 - English 12
 - AP English Lit & Composition
 - ACP Adv. Comp. (W131) & ACP Literary Interp. (L202)
 - ACP Adv. Comp. (W131) & English 12

Math

- 2 cr Algebra I
- 2 cr Any other math **except** Math Lab (Algebra I Lab counts)
- Note:** Students are required to earn 2 credits in a math or quantitative reasoning (QR) course during their junior or senior year. (Refer to QR course list.)

Science

- 2 cr Biology I or Honors Biology
- 1 cr Choose from the following:
 - Integrated Chemistry-Physics
 - Chemistry I or Honors Chemistry
 - Physics I
 - Earth and Space Science
- 1 cr Any other science

Social Studies

- 2 cr U.S. History (grade 11)
- 1 cr Government (grade 12)
- 1 cr Economics (grade 12)

Health & Phys Ed

- 2 cr PE I and PE II (grade 9) or PE Waiver in lieu of PE II
- 1 cr Health and Wellness (grade 10)

Personal Finance

- 1 cr Personal Financial Responsibility* (grade 10)
Students must take Preparing for College & Careers (grade 8)

* May be applied to College and Career Pathway or Flex Credit requirement

College and Career Pathway Courses (any grade level)

- 6 cr Students should select electives in a deliberate manner to take full advantage of college and career exploration and preparation opportunities

Flex Credits (any grade level)

- 5 cr Flex credits must come from one of the following:
 - * Additional elective courses in a College and Career Pathway
 - * Work Based Learning (Internship)
 - * Dual high school/college credit course
 - * Additional courses in English, Social Studies, Mathematics, Science, World Languages, or Fine Arts

Other

Earn a total of 40 credits



Graduation Pathways

Students must complete ONE of the following:

Work-Based Experience

Examples:

- Employment
- Internship
- JAG (prior to 2025-26 school year)

Service-Based Experience

Examples:

- Volunteer/Civic Engagement (4-H, Scouts)
- Extracurricular activity (sport, some clubs)
- Co-curricular activity (FFA, band, choir)

Graduation Pathways

Students must complete **ONE** of the following:

Honors Diploma (Academic or Technical)

- Eligibility determined at end of last semester of high school

AP/Dual Credit

- “C” average or higher in at least three courses
 - One of the three must be in a core content area, or all three must be part of a CTE pathway

SAT

- Earn a minimum score of:

Reading/Writing: 480	Math: 530
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ACT

- Earn a minimum score of:
Two out of four needed with at least one in English/Reading and one in Math/Science

English: 18	Reading: 22	Math: 22	Science: 23
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ASVAB

- Earn a minimum score of 31
- Student must sign Military Enlistment Intent form

Career Pathway

- “C” average or higher in a State-approved Career Pathway
- See next three pages for Pathway options

EHS Career Pathways

Agriscience - Animals



Principles of
Agriculture



Animal Science



Advanced Life
Science: Animals

Agriscience - Plants



Principles of
Agriculture



Plant & Soil
Science



Advanced Life
Science: Plants &
Soils

Band



Principles of Business
Management &
Beginning Band



Intermediate Band



Advanced Band

Biomedical Sciences & Technology



Principles of
Biomedical Sciences



Anatomy



Medical
Interventions

Business Administration



Principles of
Business Management



Marketing
Fundamentals



Accounting
Fundamentals

Choir



Principles of Business
Management &
Beginning Choir



Intermediate Choir



Advanced Choir

Culinary Arts, Hospitality Management, OR Nutrition Science



Principles of Culinary
& Hospitality



Nutrition



Culinary Arts
Hospitality Management OR
Nutrition Planning & Therapy

Digital Design



Principles of Digital
Design



Digital Design
Graphics



Graphic Design &
Layout

Early Childhood Education



Principles of Early
Childhood Education



Early Childhood
Education Curriculum



Early Childhood
Guidance

Engineering



Intro to Engineering



Principles of
Engineering



Civil Engineering &
Architecture

Exercise Science



Principles of Exercise
Science



Kinesiology



Human
Performance

Industry 4.0 - SMART Manufacturing



Principles of Industry



Robotics Design &
Innovation



Smart
Manufacturing

IT Operations



Principles of
Computing



IT Fundamentals
(COMP-TIA+)



Networking &
Cybersecurity
Operations

Journalism



Journalism



Yearbook



Yearbook OR
Principles of
Digital Design

Marketing & Sales



Principles of Business
Management



Marketing
Fundamentals



Digital Marketing

Visual Arts

Principles of Business
Management



Intro 2-D &
Intro 3-D



Advanced 2-D or
Stained Glass or
ACP Art History

Next Level Programs Available at the Hoosier Hills Career Center:

	Career Pathway	1st Course	2nd Course	3rd Course
NLP	Agriculture/Horticulture	Principles of Agriculture	Horticulture Science	Greenhouse and Soilless Production
NLP	Automotive Collision Repair	Principles of Collision Repair	Automotive Body Repair	Plastic Body Repair & Painting Fundamentals
NLP	Automotive Services	Principles of Automotive Systems	Brake Systems	Steering & Suspensions
NLP	Construction Trades–Carpentry	Principles of Construction Trades	Construction Trades: General Carpentry	Construction Trades: Framing & Finishing
NLP	Culinary Arts	Principles of Culinary & Hospitality	Nutrition	Culinary Arts
NLP	Education Careers	Principles of Teaching	Child & Adolescent Development	Teaching & Learning
NLP	Emergency Medical Services	Principles of Healthcare	Medical Terminology	Emergency Medical Tech
NLP	Engineering/Architecture	Introduction to Engineering Design (at EHS)	Principles of Engineering	Civil Engineering & Architecture
NLP	Fire & Rescue	Principles of Fire & Rescue	Fire Fighting Fundamentals	Advanced Fire Fighting
NLP	Healthcare/Pre-Nursing	Principles of Healthcare	Medical Terminology	Healthcare Specialist: CNA
NLP	Welding Technology	Principles of Welding Technology	Shielded Metal Arc Welding	Gas Welding Processes

Industry Certification

- Certification from approved DWD list

Apprenticeship

- Federally recognized

Graduation Pathways Waiver

A student may qualify for a waiver for the Postsecondary Readiness Competencies by meeting the five requirements listed below. All students must complete the Credits and the Learn & Demonstrate Employability Skills requirements.

1. Attempt to achieve at least three separate postsecondary readiness competencies (see previous page)
2. Maintain a “C” average in required courses
3. Maintain a 95% attendance rate (excused absences are not included)
4. Satisfy all other state and local graduation requirements beyond the postsecondary readiness competency requirements
5. Demonstrate postsecondary planning, including: a. college acceptance; b. acceptance in an occupational training program; c. workforce entry; or d. military enlistment; that is approved by the principal.

Certificate of Completion Requirements

(Based on a Student's Individual Education Plan (IEP))

Indiana Certificate of Completion	
Course of Study	
Effective with the students who enter high school in 2018-19 school year (class of 2022)	
The Course of Study for the Certificate of Completion is a framework for aligning curriculum to grade level standards while meeting the individual goals and transition needs stated in the student's Individual Education Plan (IEP).	
Minimum total 40 credits/applied units: It is expected that these requirements are met through enrollment in a combination of general education courses for credit, modified general education courses in which non-credit applied units are earned and special education courses in which non-credit applied units are earned.	
English/Language Arts	8 credits/applied units
	Including a balance of literature, composition, vocabulary, speech/communication
Mathematics	4 credits/applied units
	Including a balance of number sense, expressions, computation, data analysis, statistics, probability, equations and inequalities and personal finance. Student must take a math or applied math course each year in high school.
Science	4 credits/applied units
	Including a balance of physical, earth/nature, life, engineering and technology
Social Studies	4 credits/applied units
	Including a balance of history, civics and government, geography, economics
Physical Education	2 credits/applied units
Health & Wellness	1 credit/applied unit
Employability	10 credits/applied units
	Job exploration, work- or project-based learning experiences, employability skills (mindsets, self-management, learning strategies, social, workplace), portfolio creation, intro to post-secondary options
	Investigation into opportunities for enrollment in postsecondary programs, work place readiness training to develop employability and independent living skills and instruction in self-advocacy
Electives	7 credits/applied units
Certificate of Completion Transition Portfolio	
Students earning a certificate of completion fulfill <u>at least one</u> of the following (aligned with transition goals):	
1. Career Credential: Complete an industry-recognized certification, one-year certificate or state-approved alternative	
2. Career Experience: Complete project- or work-based learning experience or part time employment	
3. Work Ethic Certificate: Earn a Work Ethic Certificate (criteria to be locally determined)	
4. Other Work Related Activities: As determined by the case conference committee	

Mirrors regular diploma requirements (minimum 40 applied units or credits with emphasis on academics)

Employability Skills are an integral part of the plan

Transition portfolio is a requirement

Can be earned through any combination of applied units and credits

Aligned with Statewide Assessment (ISTAR or ISTEP)

Quantitative Reasoning (QR) Courses

Agriculture

- Advanced Life Science: Animals
- Advanced Life Science: Plants & Soils

Business

- Personal Financial Responsibility
- Principles of Computing

Engineering

- Principles of Engineering PLTW
- Civil Engineering & Architecture

Science

- Integrated Chemistry-Physics
- Physics I
- Chemistry
- Honors Chemistry
- AP Chemistry
- AP Environmental Science
- ACP Physics

Social Studies

- Economics
- AP Macroeconomics

Hoosier Hills Career Center

- Civil Engineering & Architecture
- Engineering Design & Development

Directed Elective Courses

Agriculture

- Principles of Agriculture
- Animal Science
- Advanced Life Science: Animals
- Plant and Soil Science
- Advanced Life Science: Plants & Soils
- Natural Resources

Business

- Principles of Business Management
- Marketing Fundamentals
- Accounting Fundamentals
- Digital Marketing
- Principles of Computing
- IT Fundamentals
- Networking & Cybersecurity Operations
- Principles of Digital Design
- Digital Design Graphics
- Graphic Design & Layout
- Prin of Industry 4.0—Smart Manufacturing
- Personal Financial Responsibility

Engineering

- Intro to Engineering Design PLTW
- Principles of Engineering PLTW
- Civil Engineering & Architecture

English

- Student Media—Newspaper
- Student Media—Yearbook

Family & Consumer Science

- Principles of Culinary & Hospitality
- Nutrition
- Culinary Arts
- Hospitality Management
- Nutrition Planning & Therapy
- Principles of Early Childhood Education
- Early Childhood Curriculum
- Early Childhood Guidance

Fine Arts

- Intro to 2-D Art
- Intro to 3-D Art
- Adv. 2-D Art
- Adv. 3-D—Adv. Stained Glass
- Adv. 3-D—Beg. Stained Glass
- ACP Art History
- Ceramics I, II, & III
- Drawing I, II, & III
- Fiber Arts I, II, & III

Fine Arts, continued

- Painting I, II, & III
- Photography I & II
- Sculpture I & II
- Visual Communication I & II
- Chamber Ens: Noteworthy
- Beg Chorus: Vocal Odyssey
- Interm Chorus: Sophisticated Ladies
- Adv Chorus: Music Warehouse
- Instrumental Ensemble
- Jazz Ensemble II
- Jazz Ensemble I
- Music Theory & Composition I & II

Internship

- Career Exploration Internship
- Work Based Learning Capstone
- Youth Apprenticeship

Science

- Principles of Biomedical Sciences PLTW
- Anatomy & Physiology
- Medical Interventions PLTW

World Languages

- German I
- German II
- German III
- ACP German III
- German IV
- ACP German IV
- Spanish I
- Spanish II
- Spanish III
- ACP Spanish III
- Spanish IV
- ACP Spanish IV

Hoosier Hills Career Center (all courses)

Advanced Placement (AP) and Dual High School/College Courses

Advanced Placement (AP)

EHS Course
AP Calculus AB
AP Calculus BC
AP Chemistry
AP Computer Science Principles
AP English Language & Composition
AP English Literature & Composition
AP Environmental Science
AP Macroeconomics
AP Psychology
AP US Government & Politics
AP Statistics

Note: Students taking an AP course to satisfy the Academic Honors Diploma requirement must also take the corresponding AP exam.

Dual High School/College Courses

EHS Course	College/Course	# of College Credits ²
ACP Advanced Composition	IU (W131)	3
ACP Adv. English CC—Literary Interpretation	IU (L202)	3
ACP Advanced Speech Communication	IU (P155)	3
AP Calculus AB (can be taken for ACP credit)	IU (M211)	4
ACP Finite Mathematics	IU (M118)	3
ACP Pre-Calculus/Trigonometry	IU (M125/M126)	6
ACP Biology	IU (L100)	5
ACP Physics	IU (P221)	5
ACP US History (1 st sem)	IU (H105)	3
ACP US History (2 nd sem)	IU (H106)	3
ACP Intro to Art History & Visual Culture	IU (H100)	3
ACP German III	IU (GER G150)	4
ACP German IV (1 st sem)	IU (GER G200)	3
ACP German IV (2 nd sem)	IU (GER G250)	3
ACP Spanish III	IU (HISP-S200)	3
ACP Spanish IV	IU (HISP-S250)	3
Marketing Fundamentals	Ivy Tech (MKG101 & MKGT 102)	3
Principles of Agriculture	Ivy Tech (AGRI 100 & AGRI 102)	6
Animal Science	Ivy Tech (AGRI 103)	3
Advanced Life Science--Animals	Ivy Tech (AGRI 107)	3
Plant and Soil Science	Ivy Tech (AGRI 105 & AGRI 117)	6
Hoosier Hills Career Center	Varies	

² See “ACP Eligibility Criteria” for additional information.

Note: Students taking a Dual High School/College course to satisfy the Core 40 with Academic Honors Diploma requirement must apply for and earn the corresponding college credits.

Advanced Placement (AP) and Dual High School/College Courses, cont.

College Credit for Advanced Placement (AP) Courses

Indiana's Advanced Placement (AP) law states that beginning with the 2011 AP exams, students that earn a score of 3 or higher shall receive college credit toward their degree if they attend any Indiana public institution of higher education; this includes all two and four year schools and any accompanying satellites. Indiana public institutions of higher education may require a score higher than 3 to award credit for a course that is part of the student's major, but students will still receive elective credit that counts toward their overall degree requirements to graduate from college. Indiana public institutions of higher education will fully articulate how each AP course and exam score will be distributed within and outside of major fields for students.

Visit the [Core Transfer Library-AP](#) for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

IU Advance College Project (ACP) Dual Credit Eligibility Criteria

In addition to successfully completing the IU ACP course, students earn a **2.7 cumulative G.P.A.** (on a 4.0 scale) in order to earn I.U. college credit for the course.

For information regarding the transfer of ACP credit to other colleges and universities, go to [Core Transfer Library-Dual Credit](#).

Ivy Tech Dual Credit Eligibility Criteria

The prerequisites to earn college credit for Ivy Tech courses is specific to each course.

Agriculture Courses: No prerequisites

Anatomy & Physiology, Marketing Fundamentals, and Principles of Computing:
One of the following:

- Junior or Senior with minimum 2.6 cumulative GPA
- OR meet one score for each subject (math and reading/writing):

Test	Subject	Minimum Score
SAT	Math	500
PSAT	Math	490
Knowledge Assessment	STEM/Math	50
SAT	Reading/Writing	460
PSAT	Reading/Writing	430
Knowledge Assessment	Reading/Writing	70

Core Transfer Library

The Core Transfer Library (CTL) helps students and families by ensuring that earned dual college credits from college courses listed on the CTL will transfer to any public college in the state. For additional information, please visit:

[Dual credit courses](#)

[AP courses](#)

A Note about AP, ACP, and Dual High School/College Credit Courses

While students are encouraged to select a rigorous, college-prep curriculum in order to better prepare themselves for postsecondary studies, we encourage students who choose to enroll in AP, ACP, and dual high school/college credit courses to fully understand the high level of expectation involved with a college-level course. Because AP, ACP, and dual high school/college credit courses are college-level courses, teachers are expected to hold students accountable to a college-level curriculum; this often means that compared to high school courses, the AP/ACP/dual credit course will move at a faster pace and will often result in more homework. Students are expected to apply a higher level of critical thinking and application skills. Students should also keep in mind that in addition to having the opportunity to earn college credits, students generally feel much better prepared for courses they take in college having taken an AP, ACP, and/or dual credit course.

In order to enroll in an AP, ACP, and/or dual high school/college credit course, the following criteria will be considered:

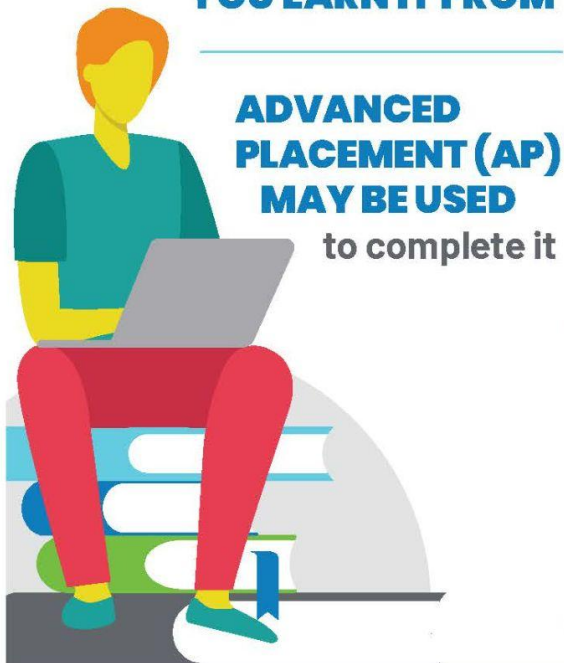
- Cumulative GPA (minimum 2.7 recommended)
- PSAT scores
- Grades in previous related courses



Certificate made up of
30 CREDIT HOURS
of general education

Guaranteed to apply at **ALL**
INDIANA PUBLIC COLLEGES
and some private colleges

Unique to each student and
has the **SAME VALUE NO**
MATTER WHAT COLLEGE
YOU EARN IT FROM



WHY EARN THE INDIANA COLLEGE CORE?

GET AHEAD

- Focus on major-specific coursework
- More flexibility in your schedule

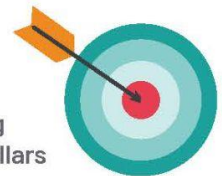


EXPLORE MORE OPPORTUNITIES

- Study abroad
- Add a major, minor or internship

SAVE TIME & MONEY

- Earn a full year of your general education credits, potentially saving you and your family thousands of dollars
- Graduate on time or even early from college



COURSES MADE UP OF:

SCIENCE MATH
ENGLISH SPEECH
SOCIAL STUDIES
HUMANITIES/LANGUAGES

ABOUT 90% OF STUDENTS who complete the Indiana College Core in high school **GO ON TO ATTEND COLLEGE AND HAVE MORE SUCCESS.**

Create a plan. Choose your courses. Challenge yourself.

MYCOLLEGECORE.ORG



Indiana College Core

Edgewood High School

WRITTEN COMMUNICATION 3 CREDITS	30 College Credits			QUANTITATIVE REASONING 3-4 CREDITS
<u>Select One</u> ACP Advanced Composition AP English Language & Comp. (3+ on exam) AP English Literature & Comp. (3+ on exam)	SPEAKING & LISTENING 3 CREDITS			<u>Select One</u> ACP Pre-Calculus (3)* ACP Trigonometry (3)* ACP Finite Mathematics (3) ACP Calculus (4) AP Calculus AB (3+ on exam)
HUMANISTIC & ARTISTIC 6 CREDITS	SOCIAL & BEHAVIORAL 6 CREDITS			SCIENTIFIC WAYS 5 CREDITS
ACP Literary Interpretation ACP Intro to Art History & Visual Culture	<u>Select Two</u> ACP US History Sem 1 ACP US History Sem 2 AP Environmental Science (4+ on exam) AP Macroeconomics (4+ on exam) AP US Government & Politics (3+ on exam)			* - ACP Biology (5)* OR <u>Select Two</u> AP Biology (3+ on exam) AP Chemistry (4+ on exam) AP Computer Science Prin. (3+ on exam) AP Environmental Science (4+ on exam) AP Physics I (4+ on exam) AP Psychology (4+ on exam)
OTHER CREDITS				
ACP French III	ACP German III	ACP Spanish III		
ACP French IV	ACP German IV	ACP Spanish IV		

* Pending approval from IUB ACP

EHS Course List

D = Directed Elective

QR = Quantitative Reasoning

S = Counts as science course

M = Counts as math course

FA = Counts as fine arts course

Agriculture

- 7117.DC Principles of Agriculture (2 sem) **D**
 5008.DC Animal Science (2 sem) **D; S**
 5070.DC Advanced Life Science: Animals (2 sem) **D, Q, S**
 5170.DC Plant and Soil Science (2 sem) **D, S**
 5074.DC Adv. Life Science: Plants & Soils (2 sem) **D, Q, S**

Business

- 4565 Computing Foundations for a Digital Age (1 sem) **D**
 4562 Principles of Business Management (2 sem) **D**
 7183.AP AP Principles of Computing (2 sem) **D, Q**
 7180 Information Technology Fundamentals (2 sem) **D**
 7181 Networking & Cybersecurity Operations (2 sem) **D**
 5914 Marketing Fundamentals (2 sem) **D**
 7145 Digital Marketing (2 sem) **D**
 4524 Accounting Fundamentals (2 sem) **D**
 7140 Principles of Digital Design (2 sem) **D**
 7141 Digital Design Graphics (2 sem) **D**
 5550 Graphic Design & Layout (2 sem) **D**
 4540 Personal Financial Responsibility (1 sem) **D; Q**

Engineering

- 4802 Intro to Engineering Design PLTW (2 sem) **D**
 5644 Principles of Engineering PLTW (2 sem) **D; Q**
 5650 Civil Engineering & Architecture (2 sem) **D; Q**

English

- 1002 English 9 (2 sem)
 1002H Honors English 9 (2 sem)
 1004 English 10 (2 sem)
 1004H Honors English 10 (2 sem)
 1006 English 11 (2 sem)
 1056 AP English Language & Comp (2 sem)
 1008 English 12 (2 sem)
 1058 AP English Literature & Comp (2 sem)
 1098.DC ACP Adv Composition (1 sem)
 1124.DC ACP Adv. English—Literary Interpretation (1 sem)
 1034 Film Literature (1 sem)
 1076 Speech (1 sem)
 1078.DC ACP Adv Speech Communication
 1080 Journalism (2 sem)
 1086NP Student Media—Newspaper (2 sem) **D; FA**
 1086YB Student Media—Yearbook (2 sem) **D; FA**
 1092 Creative Writing (1 sem)

Family & Consumer Science

- 7173 Principles of Culinary & Hospitality (2 sem) **D**
 7171 Nutrition (2 sem) **D; S**
 7169 Culinary Arts (2 sem) **D**
 7172 Hospitality Management (2 sem) **D**
 7170 Nutrition Planning & Therapy (2 sem) **D**
 7160 Principles of Early Childhood Education (2 sem) **D**
 7158 Early Childhood Education Curriculum (2 sem) **D**
 7159 Early Childhood Education Guidance (2 sem) **D**

Fine Arts

- 4000 Intro to 2-D Art (1 sem) **D; FA**
 4002 Intro to 3-D Art (1 sem) **D; FA**
 4004 Adv 2-D Art (1 sem) **D; FA**
 4006.1 Adv 3-D—Beg Stained Glass (1 sem) **D; FA**
 4006.2 Adv 3-D—Adv Stained Glass (1 sem) **D; FA**
 4040.1 Ceramics I (1 sem) **D; FA**
 4040.2 Ceramics II (1 sem) **D; FA**
 4040.3 Ceramics III (1 sem) **D; FA**
 4044.1 Sculpture I (1 sem) **D; FA**
 4044.2 Sculpture II (1 sem) **D; FA**
 4046.1 Fiber Arts I (1 sem) **D; FA**
 4046.2 Fiber Arts II (1 sem) **D; FA**
 4046.3 Fiber Arts III (1 sem) **D; FA**
 4060.1 Drawing I (1 sem) **D; FA**
 4060.2 Drawing II (1 sem) **D; FA**
 4060.3 Drawing III (1 sem) **D; FA**
 4062.1 Photography I (1 sem) **D; FA**
 4062.2 Photography II (1 sem) **D; FA**
 4064.1 Painting I (1 sem) **D; FA**
 4064.2 Painting II (1 sem) **D; FA**
 4064.3 Painting III (1 sem) **D; FA**
 4086.1 Visual Communication I (1 sem) **D; FA**
 4086.2 Visual Communication II (1 sem) **D; FA**
 4260.DC ACP Art History (1 sem) **D; FA**
 4162 Instrumental Ensemble (2 sem) **D; FA**
 4164.2 Jazz Ensemble II (2 sem) **D; FA**
 4164.1 Jazz Ensemble I (2 sem) **D; FA**
 4180 Chamber Ens: Noteworthy (2 sem) **D; FA**
 4182 Beg Chorus: Vocal Odyssey (2 sem) **D; FA**
 4186 Interm Chorus: Sophisticated Ladies (2 sem) **D; FA**
 4188 Adv Chorus: Music Warehouse (2 sem) **D; FA**
 4208.I Music Theory & Composition I (1 sem) **D; FA**
 4208.II Music Theory & Composition II (1 sem) **D; FA**

Internship

- 0530 Career Exploration Internship **D**
 5974 Work Based Learning Capstone **D**
 6149 Youth Apprenticeship **D**

Manufacturing

- 7220 Prin of Industry 4.0-Smart Manufacturing (2 sem) **D**

Math

- 2520 Algebra I (2 sem)
 2532 Geometry (2 sem)
 2532H Honors Geometry (2 sem)
 2522 Algebra II (2 sem)
 2522H Honors Algebra II (2 sem)
 2564/2566 Pre-Calculus/Trigonometry (2 sem)
 2564.DC/2566.DC ACP Pre-Calculus/Trigonometry (2 sem)
 2530.DC ACP Finite Math (2 sem)
 2570 AP Statistics (2 sem)
 2562 AP Calculus, AB (2 sem)
 2572 AP Calculus, BC (2 sem)

EHS Course List, continued

D = Directed Elective

QR = Quantitative Reasoning

S = Counts as science course

M = Counts as math course

FA = Counts as fine arts course

Multidisciplinary

0500 Foundations for Success (1 or 2 sem)

Physical Education & Health

3542 Physical Education I (1 sem)
 3506 Health & Wellness Education (1 sem)
 3560C Elect PE: Color Guard (1 or 2 sem)
 3560L Elect PE: Lifeguarding & Aquatic Cond (1 sem)
 3560O Elect PE: Team Sport Officiating I (1 or 2 sem)
 3560R Elect PE: Recreation Sports (1 or 2 sem)
 3560S Elect PE: Strength Training/Athletic Dev (1 or 2 sem)
 7320 Principles of Exercise Science (2 sem)

Science

3044 Earth & Space Science I (2 sem)
 3024 Biology I (2 sem)
 3024H Honors Biology I (2 sem)
 5218 Principles of Biomedical Sciences PLTW (2 sem) **D**
 5276 Anatomy & Physiology (2 sem) **D**
 5217 Medical Interventions PLTW (2 sem) **D**
 3108 Integrated Chemistry-Physics (2 sem) **Q**
 3064 Chemistry I (2 sem) **Q**
 3064H Honors Chemistry I (2 sem) **Q**
 3084 Physics I (2 sem) **Q**
 3092Z Adv Sci, Spec Topics—Zoology (2 sem)
 3010 Environmental Science (2 sem)
 3012 AP Environmental Science (2 sem) **Q**
 3026.DC ACP Biology (2 sem)
 3060 AP Chemistry (2 sem) **Q**
 3086 ACP Physics (2 sem) **Q**

Social Studies

1570 Geography & History of the World (2 sem)
 1542 United States History (2 sem)
 1542.DC ACP US History (2 sem)
 1540 United States Government (1 sem)
 1560 AP US Government and Politics (1 sem)
 1514 Economics (1 sem) **Q**
 1564 AP Macroeconomics (1 sem) **Q**
 1512 Current Problems, Issues, and Events (1 sem)
 1518 Indiana Studies (1 sem)
 1526 Law Education (1 sem)
 1534 Sociology (1 sem)
 1532 Psychology (1 sem)
 1558 AP Psychology (2 sem)

Special Areas

0520 Peer Tutoring (1 or 2 sem)
 1082 Library Media (1 sem)
 9903 Library Assistant (1 or 2 sem)
 9905 Teacher Assistant (1 or 2 sem)
 9900 Office Assistant (1 or 2 sem)
 0001/0002 Study Hall (1 or 2 sem)

Special Education Inclusion

0500__ Basic Skills Development (2 sem)

World Languages

2040 German I (2 sem) **D**
 2042 German II (2 sem) **D**
 2044 German III (2 sem) **D**
 2044.DC ACP German III (2 sem) **D**
 2046 German IV (2 sem) **D**
 2046.DC ACP German IV (2 sem) **D**
 2120 Spanish I (2 sem) **D**
 2122 Spanish II (2 sem) **D**
 2124 Spanish III (2 sem) **D**
 2124.DC ACP Spanish III (2 sem) **D**
 2126 Spanish IV (2 sem) **D**
 2126.DC ACP Spanish IV (2 sem) **D**
 2188 English as a New Language

Hoosier Hills Career Center

Agriculture
 Automotive Collision Repair
 Automotive Services
 Construction Trades—Carpentry
 Culinary Arts
 Education Careers
 Emergency Medical Services
 Engineering/Architecture
 Fire and Rescue
 Healthcare/Pre-Nursing
 Welding

AGRICULTURE

PRINCIPLES OF AGRICULTURE

Course 7117.DC (two-semester course)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

Principles of Agriculture covers 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.

***Principles of Agriculture* may be taken for Ivy Tech AGRI 100 for 3 college credits for 1st semester and AGRI 102 for 3 college credits during 2nd semester. Students must complete a registration process.**

ANIMAL SCIENCE

Course 5008.DC (two-semester course)

Grade Levels: 10-12

Prerequisites: None

This course counts as a Directed Elective

This course fulfills a Core 40 science requirement

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

This course will cover topics such as the meat animal industry, companion animal industry, animal management and handling, feeding animals, and building rotations, along with other topics. Students will care for several animals in the classroom as well as have the opportunity to visit local farms, veterinary clinics, and production systems. This class will require daily interaction with live animals along with individual and group work.

***Animal Science* may be taken for Ivy Tech AGRI 103 for 3 college credits. Students must complete a registration process.**

ADVANCED LIFE SCIENCE: ANIMALS

Course 5070.DC (two-semester course)

Grade Levels: 11-12

Prerequisites: Animal Science

This course counts as a Directed Elective and a Quantitative Reasoning course

This course fulfills a Core 40 science requirement

Advanced Life Science: Animals provides students with opportunities to participate in a variety of activities including a classroom laboratory and field work settings researching different aspects of animals. Students investigate concepts that enable them to understand animal life and animal science as it pertains to agriculture. Through instruction, including laboratory, fieldwork, leadership development, supervised agricultural experience, and the exploration of career opportunities, they will recognize concepts associated with animal genetics, taxonomy, life at the cellular level, organ systems, evolution, and ecology, as well as historical and current issues in the animal science industry. Students will get the opportunity to visit several local farms, veterinary clinics, and production systems as well as apply their knowledge to many laboratory projects that will involve live animals, group and individual work, public speaking. Students should possess a strong work ethic fueled by self-motivation.

***Advanced Life Science: Animals* may be taken for Ivy Tech AGRI 107 for 3 college credits. Students must complete a registration process.**

PLANT AND SOIL SCIENCE

Course 5170.DC (two-semester course)

Grade Levels: 10-12

Prerequisites: None

This course counts as a Directed Elective

This course fulfills a Core 40 science requirement

Plant and Soil Science provides students with opportunities to participate in a variety of activities which includes laboratory work. The following topics are found in this course: plant taxonomy, components and their functions; plant growth, reproduction and propagation; photosynthesis and respiration; environmental factors affecting plant growth; management of plant diseases and pests; biotechnology; the basic components and types of soil; calculation of fertilizer application rates and procedures for application; soil tillage and conservation; irrigation and drainage; land measurement, cropping systems, precision agriculture, principles and benefits of global positioning systems; and harvesting. Leadership development, supervised agricultural experience and career exploration opportunities in the field of plant and soil science are also included.

This class will require students to do daily hands-on work with live plants in the classroom and around the school grounds. Students will apply the knowledge they have learned daily in the classroom, lab, and out in the field.

***Plant and Science* may be taken for Ivy Tech AGRI 105 for 3 college credits for 1st semester and AGRI 117 for 3 college credits for 2nd semester. Students must complete a registration process.**

ADVANCED LIFE SCIENCE: PLANTS AND SOILS

Course 5174 (two-semester course)

Grade Levels: 11-12

Prerequisites: None

This course counts as a Directed Elective and a Quantitative Reasoning course

This course fulfills a Core 40 science requirement

Advanced Life Science: Plants and Soils is a 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.

BUSINESS

PRINCIPLES OF BUSINESS MANAGEMENT

Course 4562 (two-semester course)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

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

AP PRINCIPLES OF COMPUTING

Course 7183.AP (two-semester course)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

AP 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.

STUDENTS WILL BE REQUIRED TO TAKE THE AP COMPUTER SCIENCE PRINCIPLES EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

INFORMATION TECHNOLOGY FUNDAMENTALS

Course 7180 (two-semester course)

Grade Levels: 10-12

Prerequisites: Principles of Computing or AP Principles of Computing

This course counts as a Directed Elective

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.

NETWORKING AND CYBERSECURITY OPERATIONS

Course 7181 (two-semester course)

Grade Levels: 11-12

Prerequisites: Principles of Computing and Information Technology Fundamentals

This course counts as a Directed Elective

Networking and Cybersecurity Operations 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. 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. 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.

MARKETING FUNDAMENTALS

Course 5914 (two-semester course)

Grade Levels: 10-12

Prerequisites: None

This course counts as a Directed Elective

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. The emphasis is on marketing content, but it 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.

***Manufacturing Fundamentals* may be taken for Ivy Tech MKGT 101 for 3 college credits for 1st semester and MKGT 102 for 3 college credits for 2nd semester. Students must complete a registration process.**

DIGITAL MARKETING

Course 5914 (two-semester course)

Grade Levels: 11-12

Prerequisites: Marketing Fundamentals

This course counts as a Directed Elective

Digital Marketing provides an introduction to the world of e-commerce and digital marketing media. The course covers how to integrate digital media and e-commerce into organizational and marketing strategy. Students will explore e-commerce applications and the most popular digital marketing tactics and tools. The course emphasizes familiarity with executing digital media, understanding the marketing objectives that digital media can help organizations achieve, and establishing and enhancing an organization's digital marketing presence.

ACCOUNTING FUNDAMENTALS

Course 4524 (two-semester course)

Grade Levels: 10-12

Prerequisites: None

This course counts as a Directed Elective

Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles

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

PRINCIPLES OF DIGITAL DESIGN

Course 7140 (two-semester course)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

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

DIGITAL DESIGN GRAPHICS

Course 7141 (two-semester course)

Grade Levels: 10-12

Prerequisites: Principles of Digital Design

This course counts as a Directed Elective

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

GRAPHIC DESIGN AND LAYOUT

Course 5550 (two-semester course)

Grade Levels: 11-12

Prerequisites: Computer Illustration and Graphics or Principles of Digital Design

This course counts as a Directed Elective

Graphic Design and Layout teaches design process and the proper and creative use of type as a means to develop effective communications for global, corporate and social application. Students will create samples for a portfolio which may include elements or comprehensive projects in logo, stationery, posters, newspaper, magazine, billboard, and interface design.

PERSONAL FINANCIAL RESPONSIBILITY

Course 4540 (one-semester course)

Grade Levels: 10-12

Prerequisites: None

This course counts as a Directed Elective

This course counts as a Quantitative Reasoning course

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 experience are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged.

ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN PLTW

Course 4802 (two-semester course)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

This “Project Lead the Way” course develops student problem-solving skills using a design development process for products. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software. This is the first course offered in the pre-engineering course sequence. Courses proposed to follow this introductory course include *Principles of Engineering PLTW* (at EHS), and *Civil Engineering and Architecture PLTW* and *Engineering Design and Development PLTW* (at the Hoosier Hills Career Center).

PRINCIPLES OF ENGINEERING PLTW

Course 5644 (two-semester course)

Grade Levels: 10-12

Prerequisites: Introduction to Engineering Design PLTW

This course counts as a Directed Elective and a Quantitative Reasoning course

This course counts as a science course

This “Project Lead the Way” course helps students understand the fields of engineering and engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science, and technology in an engineering, problem-solving process to benefit people. Courses proposed to follow this introductory course include *Civil Engineering and Architecture PLTW* and *Engineering Design and Development PLTW* (at the Hoosier Hills Career Center).

CIVIL ENGINEERING AND ARCHITECTURE

Course 5650 (two-semester course)

Grade Levels: 11-12

Prerequisites: Introduction to Engineering PLTW and Principles of Engineering PLTW

This course counts as a Directed Elective and a Quantitative Reasoning course

Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. Emphasis should be placed on learning ways that environmental factors might influence the planning and design of a project. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design.

ENGLISH

ENGLISH 9

Course 1002 (*two-semester course*)

Grade Level: 9

Prerequisites: None

This course includes reading, writing, speaking, and listening. Study of literature with emphasis on various elements of literary forms is represented by the short story, drama, novel, essays, and poetry. An introduction of themes in literature and literary terms is a part of *English 9*. Book reviews are required and reading is fairly extensive. An introduction to writing with emphasis on developing paragraphs, improving sentence structure, variety, and punctuation is a part of this course. Some public speaking may be included.

HONORS ENGLISH 9

Course 1002H (*two-semester course*)

Grade Level: 9

Prerequisites: Selection based on grades, assessment scores, and teacher recommendation.

This course features a more challenging regimen of reading and writing than *English 9*, with emphasis on critical analysis and evaluation. Students who enroll are presumed to possess superior writing skills in the areas of mechanics and fluency, and to be able to handle text at an accelerated pace and with full comprehension of its meaning.

ENGLISH 10

Course 1004 (*two-semester course*)

Grade Level: 10

Prerequisites: Ninth grade English

Emphasis is on the study of world literature which includes the short story, drama, novel, and poetry. Literary interpretation, including the identification of theme, is used to improve student's expository writing. Book reviews and outside reading may be required. Grammar emphasis is on paragraph development and clear grammatical sentences. A major critical essay drawn from selected readings is required each semester.

HONORS ENGLISH 10

Course 1004H (*two-semester course*)

Grade Level: 10

Prerequisites: Ninth grade English. Selection based on grades, assessment scores, and teacher recommendation.

This course features a more challenging regimen of reading and writing than *English 10*, with emphasis on critical analysis and evaluation. Students who enroll are presumed to possess superior writing skills in the areas of mechanics and fluency, and to be able to handle text at an accelerated pace and with full comprehension of its meaning.

ENGLISH 11

Course 1006 (*two-semester course*)

Grade Level: 11

Prerequisites: Tenth grade English

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, argumentative, 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.

AP ENGLISH LANGUAGE AND COMPOSITION

Course 1056 (*two-semester course*)

Grade Level: 11

Prerequisites: Tenth grade English. A grade of "B" or above in all English classes is strongly recommended.

STUDENTS ENROLLED IN THIS COURSE WILL BE REQUIRED TO TAKE THE AP ENGLISH LANGUAGE AND COMPOSITION EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP English Language and Composition is an Advanced Placement course based on content established by the College Board. An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college English class, thus saving both classroom time and tuition fees. See the "Advanced Placement & Dual HS/College Credit Courses" section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

ENGLISH 12

Course 1008 (*two-semester course*)

Grade Level: 12

Prerequisites: Eleventh grade English

English 12, an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11- 12, is a study of language, literature, composition, and oral communication focusing on an exploration of point of view or perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, argumentative, 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.

AP ENGLISH LITERATURE AND COMPOSITION

Course 1058 (two-semester course)

Grade Level: 12

Prerequisites: American Lit or AP English Language & Composition

STUDENTS ENROLLED IN THIS COURSE WILL BE REQUIRED TO TAKE THE AP ENGLISH LITERATURE AND COMPOSITION EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP English Literature and Composition is an Advanced Placement course based on content established by the College Board. An AP English course in Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit.

Reading focuses on literature from the British Isles as well as classical and notable selections from cultures around the world. The course moves roughly chronologically from the roots of the English language and literature, with forays into literature of classical Europe and beyond, through the Middle Ages, the Renaissance, on up through the 20th Century. Discussions focus on contexts of political, social, religious and historical events and ideas that shaped literature and humanity in various eras. Reading is extensive. Writing assignments include a variety of academic papers, including analysis and argument, narrative and expository work, and some short, creative pieces. Students entering this class are presumed to be capable of using appropriate grammar and mechanics, and of creating, developing, and supporting a thesis statement.

Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college English class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

ACP ADVANCED COMPOSITION

Course 1098.DC (one-semester course)

Grade Level: 12

Prerequisites: American Literature or AP English Literature and Composition; a grade of "B" or above in all English classes is strongly recommended.

IU Prerequisites for College Credit: 2.7 cumulative GPA

ACP Advanced Composition is primarily for college-bound students who want to improve their expository essay writing skills. While some initial practice in paragraph writing occurs at the beginning of the semester, the six or seven essays drawn from college-level readings form the core of this course. Although lessons in style and usage improvement take place throughout the semester, the focus of this intensive writing course is on the skills required in college-level compositions—summary, synthesis, and critical evaluation of college-level texts.

***ACP Advanced Composition* may be taken for I.U. W131 (a basic composition course required for all I.U. students) for 3 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities, go to www.acp.indiana.edu.**

ACP ADVANCED ENGLISH, COLLEGE CREDIT—LITERARY INTERPRETATION

Course 1124.DC (one-semester course)

Grade Level: 12

Prerequisites: ACP Advanced Composition

IU Prerequisites for College Credit:

- 2.7 cumulative GPA
- “C” in ACP Advanced Composition
- SAT EBRW score of 670 or higher (taken prior to August 1, 2017); or
- SAT EBRW score of 710 or higher (taken August 1, 2017 or after); or
- ACT English score of 32 or higher; or
- AP English Language and Composition exam score of 4 or 5

ACP Advanced English, College Credit—Literary Interpretation emphasizes a close, thoughtful reading of representative literary texts (poetry, drama, fiction, or non-fiction prose) originally written in English and drawn from a range of historical periods and countries. A major goal is to develop the ability to read and write with precision, responsibility, and imagination through selected texts. The work is college level, with the expectation that students will read challenging material independently and write with clarity and mechanical correctness. The course will count as one senior English credit required for graduation and is naturally paired with ACP *Advanced Composition (W131)*.

***ACP Advanced English, College Credit—Literary Interpretation* may be taken for I.U. L202 for 3 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.)** For information regarding the transfer of this credit to other colleges and universities, go to www.acp.indiana.edu.

English Electives

SPEECH

Course 1076 (one-semester course)

Grade Levels: 10-12

Prerequisites: None

This course is intended to reduce fear of public speaking and provide the student with basic communication concepts needed to develop public speaking skills. Students will learn practical techniques for effective speech delivery as they deliver speeches of various types. Methods of gathering, analysis, and organization of material will be stressed. In order to become better consumers of communication, students will learn and practice evaluation skills. Students will obtain an introduction to theory, practice, and assessment of effective speaking, listening, reading, and critical thought through the writing and delivery of speeches that include: demonstration, informative, persuasive, poetry/prose reading, and other oration. It should be noted that the ability to speak in public and evaluate the discourse of others is important for both academic and professional success.

ACP ADVANCED SPEECH AND COMMUNICATION

Course 1078 (one-semester course)

Grade Levels: 10-12

Prerequisites: Speech. Prerequisite is waived when taken during 12th grade.

IU Prerequisites for College Credit: 2.7 cumulative GPA

Advanced Speech and Communication, a course based on the Indiana Academic Standards for English/Language Arts and emphasizing the High School Speech and Communication Standards, is the study and application of skills in listening, oral interpretation, media communications, research methods, and oral debate. Students deliver different types of oral and multimedia presentations, including speeches to inform, to

motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery.

ACP Advanced Speech and Communication may be taken for I.U. P155 3 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities, go to www.acp.indiana.edu.

FILM LITERATURE

Course 1034 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: None

Film Literature, a course based on Indiana's Academic Standards for English/Language Arts and emphasizing the High School Literature Standards, is a study of how filmmaking and film genres have evolved since their inception. The course may also involve studying how literature is adapted for film or media, and may include role playing as film directors for selected screen scenes. Students read about the history of film, the reflection or influence of film on the culture, and issues of interpretation, production and adaptation. Students learn the vocabulary of moviemaking and apply it when analyzing cinematic as well as literary techniques in film. Students analyze how films portray the human condition and may analyze the roles of men and women and the various ethnic or cultural minorities in the past and present. POSSIBLE FILM LITERATURE PROJECT: Students may complete a project, such as doing an historical timeline and bibliography on the development of film or the creation of a short-subject film, which demonstrates knowledge, application, and progress in the *Film Literature* course content.

JOURNALISM

Course 1080 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: None

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

STUDENT MEDIA—NEWSPAPER

Course 1086NP (*two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Prerequisites: Application and admittance required. See guidance webpage or instructor for an application.

This course counts as a Directed Elective.

This course counts as a Fine Arts course for the Academic Honors Diploma.

Production of the school newspaper, the **Hoofbeat**, is the purpose of this two-semester workshop-type course. Students work in their areas of special interest to develop production and writing skills. Activities will include writing, layout and design, desktop publishing, advertising sales, business management, and photography. After-school hours are sometimes required to meet deadlines. This course counts as an English elective but **may not** be substituted for required *English 9, 10, 11, or 12*.

STUDENT MEDIA—YEARBOOK

Course 1086YB (*two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Prerequisites: Application and admittance required. See guidance webpage or instructor for an application.

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma.

Production of the school yearbook, **El Corral**, is the purpose of this two-semester workshop-type course. Students will work in their areas of special interest to develop production and writing skills. Activities will include writing, layout and design, desktop publishing, advertising sales, photography, business management, and yearbook sales. After-school hours are sometimes required to meet deadlines. This course counts as an English elective but **may not** be substituted for required *English 9, 10, 11, or 12*.

CREATIVE WRITING

Course 1092 (*one-semester course*)

Grade Levels: 11-12 (Seniors given preference)

Prerequisites: English 10; recommend a grade of “B” or above

Within everyone is a spark of creativity. In *Creative Writing*, students will explore techniques for bringing forth ideas and feelings and shaping them into stories, poems, and one-act plays. This course will survey the genres of poetry, fiction, dramatic writing, and Creative-Nonfiction writing. Students will learn about key elements of craft in each of these genres and will be expected to write original pieces in all four genres. Additionally, students will critique each other’s work on a regular basis. Students contemplating taking this course should be proficient in the use of grammar and comfortable sharing their work with peers.

FAMILY AND CONSUMER SCIENCE

PRINCIPLES OF CULINARY AND HOSPITALITY

Course 7173 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective.

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. This course 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.

NUTRITION

Course 7171 (*two-semester course*)

Grade Levels: 10-12

Prerequisites: Principles of Culinary and Hospitality

This course counts as a Directed Elective.

This course fulfills a Core 40 science requirement.

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 learn how 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

CULINARY ARTS

Course 7169 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Nutrition

This course counts as a Directed Elective.

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

HOSPITALITY MANAGEMENT

Course 7172 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Nutrition

This course counts as a Directed Elective.

Hospitality Management prepares students for employment in the hospitality industry. It provides the foundations for study in higher education that leads to a full spectrum of hospitality careers. This is a broad-based course that introduces students to all segments of hospitality, what it includes, and career

opportunities that are available; provides a survey of management functions, highlighting basic theories and facts; and exposes students to current trends and current events within the industry. Three major goals of this course are for students to be able to identify current trends in hotel and restaurant management, distinguish the difference between hospitality and tourism, and state differences in front of the house versus back of the house.

NUTRITION PLANNING AND THERAPY

Course 7170 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Nutrition

This course counts as a Directed Elective.

This course fulfills a Core 40 science requirement.

This course presents the basic principles of nutrition and the role nutrients play in maintaining good health as well as their effect on certain disease states. Students will learn to modify diets to meet various nutritional needs and to plan menus using modified diet principles. This course teaches students to develop an in-depth understanding of the principles of diet therapy. Students will learn to assess patients' nutritional needs, develop care plans, and implement a delivery system. Students will also learn documentation skills required by Centers for Medicare and Medicaid Services (CMS).

PRINCIPLES OF EARLY CHILDHOOD EDUCATION

Course 7160 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective.

This course provides students with an overview of skills and strategies necessary to successfully complete a certificate. Additionally, it provides an overview of the history, theory, and foundations of early childhood education as well as exposure to types of programs, curricula, and services available to young children. This course also examines basic principles of child development, Developmentally Appropriate Practices (DAP), importance of family, licensing, and elements of quality care of young children with an emphasis on the learning environment related to health, safety, and nutrition. Students may be required to complete observations and field experiences with children as related to this course.

EARLY CHILDHOOD EDUCATION CURRICULUM

Course 7158 (*two-semester course*)

Grade Levels: 10-12

Prerequisites: Principles of Early Childhood Education

This course counts as a Directed Elective.

Early Childhood Education Curriculum examines developmentally appropriate environments and activities in various childcare settings while exploring the varying developmental levels and cultural backgrounds of children. Students may be required to complete observations and field experiences with children as related to this course.

EARLY CHILDHOOD GUIDANCE

Course 7159 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Early Childhood Education Curriculum

This course counts as a Directed Elective.

This course allows students to analyze developmentally appropriate guidance, theory and implementation for various early care and education settings. It also provides a basic understanding of the anti-bias/multicultural

emphasis in the field of early childhood. Students may be required to complete observations and field experiences with children as related to this course.

FINE ARTS

Two-Dimensional Art

INTRODUCTION TO TWO-DIMENSIONAL ART

Course 4000 (one-semester course)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Introduction to Two-Dimensional Art is a course designed to serve all students interested in learning to draw and paint. A variety of art experiences are used to acquaint students with different methods and materials. No previous art experience or skill is required. The primary aim is for students to learn about art by making art. A textbook is used to teach students basic vocabulary, elements and principles, and to introduce art history and analysis. Typically two chapters are covered each nine weeks. Grading is based on effort, attitude, ability, and improvement.

ADVANCED TWO-DIMENSIONAL ART

Course 4004 (one-semester course)

Grade Levels: 9-12

Prerequisites: Introduction to Two-Dimensional Art

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of *Introduction to Two-Dimensional Art* that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

DRAWING I

Course 4060.1 (one-semester course)

Grade Levels: 10-12

Prerequisites: Introduction to Two-Dimensional Art **and** Advanced Two-Dimensional Art **or** permission of instructor

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

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

DRAWING II

Course 4060.2 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: Drawing I

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

DRAWING III

Course 4060.3 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: Drawing II

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

PHOTOGRAPHY

Course 4062.I (*one-semester course*)

Grade Levels: 10-12

Prerequisite: None

Required Supplies: 12-16 MP camera with manual controls, memory card, battery recharger, SD flash drive, SmartQ C368 USB 3.0 SD Card Reader Plug N Play. Cell phone cameras are not permitted. A small number of cameras are available for students who do not have their own camera.

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

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.

Whether you own a point-and-shoot or a more advanced DSLR, this class will give you a better grasp of your chosen tool and the skills to make successful images. We will focus on core photographic concepts as well as some more advanced techniques. The course will include hands-on demonstrations with the camera as well as basic digital image editing techniques. We will discuss the work of great photographers alongside your own photographs in order to better understand the fundamentals of composition to create compelling imagery. Expect to leave the class with a project you are proud of and a working knowledge of your camera.

PHOTOGRAPHY II

Course 4062.II (*one-semester course*)

Grade Levels: 10-12

Prerequisites: Photography I

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

PAINTING I

Course 4064.1 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: Introduction to Two-Dimensional Art or Introduction to Three-Dimensional Art

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

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

PAINTING II

Course 4064.2 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: Painting I

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

PAINTING III

Course 4064.3 (*one-semester course*)

Grade Levels: 10-12

Prerequisite: Painting II

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

VISUAL COMMUNICATION I

Course 4086.1 (*one-semester course*)

Grade Levels: 9-12

Prerequisites: Introduction to Two-Dimensional Art

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Visual Communication I is a course for those students interested in learning basic techniques and terminology of graphic design and commercial art. Since this course serves as an introduction to the field, it follows a sampler approach in presenting methods and aspects useful to the commercial artist. Areas covered include basic design, layout, lettering, color, illustration, and advertisement. Students will work both on computers using Adobe Illustrator and Photoshop and with manual-construction/design techniques.

VISUAL COMMUNICATION II

Course 4086.2 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: Visual Communication I

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Visual Communication II is a one-semester course for students with a demonstrated interest or aptitude in graphic design and commercial art. Students are encouraged to generate their own ideas and experiences. Certain assignments and exercises will be mandatory. Research expectations and applicable reading assignments will continue. Students will be encouraged to prepare artwork suitable for shows and exhibits.

Three-Dimensional Art

INTRODUCTION TO THREE-DIMENSIONAL ART

Course 4002 (*one-semester course*)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Introduction to Three-Dimensional Art is a one-semester course designed as a general exploration into the Nature of the Sculptural Process. Working in a variety of materials, students will create functional and decorative artifacts. Additional aspects of studio production encourage students to consider intersections of science and art, art history, and culture. Emphasis is placed on process: planning, creating, reviewing, and refining. Talent is not required, but enthusiasm, curiosity, and cooperation are invaluable.

CERAMICS I

Course 4040.1 (*one-semester course*)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Ceramics I is a one-semester course for students whose primary interest is clay. Basic methods of construction and decoration will be explored with an emphasis on Form and Decoration. Students will create both Functional and Decorative works. The course is structured to help students identify and develop a personal style. Students will explore the historical development of ceramics across cultures through independent research, culminating in a trip to the IU Art Museum to reinforce and foster awareness and appreciation for the potential of clay as a medium.

CERAMICS II

Course 4040.2 (*one-semester course*)

Grade Levels: 9-12

Prerequisite: Ceramics I

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

CERAMICS III

Course 4040.3 (*one-semester course*)

Grade Levels: 10-12

Prerequisite: Ceramics II

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

SCULPTURE I

Course 4044.1 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: None

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Sculpture I is a one-semester course for students interested in the three-dimensional design process and who enjoy working in a wide range of sculptural media. Students create realistic and abstract sculptures utilizing the subtractive and additive processes of carving, modeling, construction, and assembling. The goal of this class is to improve technical skill and aesthetic sensibility. Students will be expected to sketch and research projects. Students will study the historical context of sculpture.

SCULPTURE II

Course 4044.2 (*one-semester course*)

Grade Levels: 10-12

Prerequisite: Sculpture I

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

FIBER ARTS I

Course 4046.1 (*one-semester course*)

Grade Levels: 10-12

Prerequisite: None

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Fiber Arts is a course based on the Indiana Academic Standards for Visual Art. Students in *Fiber Arts* 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 fiber art works utilizing processes such as loom and off-loom construction, dyeing, coiling, and stitchery. 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.

FIBER ARTS II

Course 4046.2 (*one-semester course*)

Grade Levels: 10-12

Prerequisite: Fiber Arts I

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

FIBER ARTS III

Course 4046.2 (*one-semester course*)

Grade Levels: 10-12

Prerequisite: Fiber Arts II

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Stained Glass

Stained glass classes are one-semester courses designed to serve either beginning or experienced stained glass students. The classes give beginning students the opportunity and the skills to design and assemble simple stained glass projects. Students will begin with clear glass and progress to colored glass. Students will also learn how to etch glass, design and construct borders, plus make a freestanding project such as a box or vase. Advanced students will create original designs, execute larger projects, and refine technical skills. Advanced students will also design and construct a three-dimensional project such as a vase, box or lampshade.

ADVANCED 3D: BEGINNING STAINED GLASS

Course 4006.1 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: None

Additional fees required.

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

ADVANCED 3D: ADVANCED STAINED GLASS

Course 4006.2 (*one-semester course*)

Grade Levels: 11-12

Prerequisites: Beginning Stained Glass

Additional fees required.

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Art History & Humanities

ACP ART HISTORY

Course 4260 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: Because this course includes readings from a college text, it is recommended that students have earned a C+ or above in their prior English class.

IU Prerequisites for College Credit:

- 2.7 cumulative GPA

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

ACP Art History is designed to introduce the non-specialist to the world of art and visual culture. Its emphasis will be on viewing and understanding works of art and visual culture within cultural, thematic, and historical contexts. We will discuss the purposes and themes of art, analyze objects and learn to talk and write about what we see. Learning a new visual vocabulary will enable us to analyze and to understand a variety of different

styles, periods, cultures, and media, as well as to become familiar with the terminology used in speaking and writing about art.

ACP Art History may be taken for I.U. H100 for 3 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities, go to www.acp.indiana.edu.

Music

MUSIC THEORY AND COMPOSITION I

Course 4208.I (*one-semester course*)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

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.

MUSIC THEORY AND COMPOSITION II

Course 4208.II (*one-semester course*)

Grade Levels: 9-12

Prerequisites: Music Theory and Composition I or knowledge of basic music theory

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Band

It is the philosophy of the music department that for every student who has a desire to be involved in music there is a place for him or her. Talent and acquired skills determine to what level he or she may rise. Course offerings are as follows:

INSTRUMENTAL ENSEMBLE (Brass, Woodwind, and Percussion)

Course 4162 (*two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Prerequisites: Previous experience in EJHS or EHS band program

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

PARTICIPATION IN THE MARCHING BAND PROGRAM IS MANDATORY FOR THIS COURSE. The marching band attends a one-week summer band camp usually in late July. Attendance at band camp is strongly encouraged. See the director for specific dates and times. *All band students are assessed*

fees for each nine week period of the school year; this fee is payable to Edgewood Band Boosters.

This group represents the school in various community and other outside performances as well as concerts and contests outlined in the band calendar. Extra practices and performances are required. An unexcused absence from a major performance may result in dismissal and/or a failing grade. This decision will be made by the director in cooperation with the school administration.

Instrumental Ensemble provides students with a balanced comprehensive study of music through the Wind Ensemble, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: (1) tone production, (2) technical skills, (3) intonation, (4) sight-reading skills, (5) critical listening skills, (6) analyzing music, (7) rhythm, (8) balance, (9) blend, (10) styles of literature, and (11) major/minor scales. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Band repertoire must be of the highest caliber. Mastery of advanced wind band techniques must be evident.

NOTE: Students enrolled in instrumental music classes are encouraged to take private lessons with a specialist on their instrument. This is not a requirement, but it is encouraged in order to advance to a high level of performance insight and ability. An enrichment program for private lessons is available. For more information, consult the director.

JAZZ ENSEMBLE II (Intermediate Level)
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Course 4164.2 (*two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Prerequisites: Previous experience in EJHS or EHS band program

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

PARTICIPATION IN THE MARCHING BAND PROGRAM IS MANDATORY FOR THIS COURSE. The marching band attends a one-week summer band camp usually in late July. Attendance at band camp is strongly encouraged. See the director for specific dates and times. ***All band students are assessed fees for each nine week period of the school year; this fee is payable to Edgewood Band Boosters.***

This group represents the school in various community and other outside performances as well as concerts and contests outlined in the band calendar. Extra practices and performances are required. An unexcused absence from a major performance may result in dismissal and/or a failing grade. This decision will be made by the director in cooperation with the school administration.

The course is an extension of previous jazz ensemble experience. The instruction includes different genres of music that include but are not limited to swing, blues, ballads, Latin, and rock styles of music. Students develop their creative skills by studying major scales, Dorian scales, and Mixolydian scales, blues scales, Lydian scales and diminished scales. Ensemble and solo activities are designed to develop elements of musicianship including but not limited to: (1) tone production, (2) technical skills, (3) intonation, (4) sight-reading skills, (5) rhythm, and (6) balance and blend. Students will play moderate to moderately advanced graded selections. Ranges for brass will fit the personnel of that particular ensemble. (Trumpets to high C or above, trombones to high F and above.) Students will be asked to master these scales and play at moderately advanced levels.

NOTE: Students enrolled in instrumental music classes are encouraged to take private lessons with a specialist on their instrument. This is not a requirement, but it is encouraged in order to advance to a high level of performance insight and ability. An enrichment program for private lessons is available. For more information, consult the director.

JAZZ ENSEMBLE I (Advanced Level)

Course 4164.1 (two-semester course—may be repeated for credit)

Grade Levels Preferred: 9-12

Prerequisites: Audition prior to registration for class

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

PARTICIPATION IN THE MARCHING BAND PROGRAM IS MANDATORY FOR THIS COURSE. The marching band attends a one-week summer band camp usually in late July. Attendance at band camp is strongly encouraged. See the director for specific dates and times. *All band students are assessed fees for each nine week period of the school year; this fee is payable to Edgewood Band Boosters.*

This group represents the school in various community and other outside performances as well as concerts and contests outlined in the band calendar. Extra practices and performances are required. An unexcused absence from a major performance may result in dismissal and/or a failing grade. This decision will be made by the director in cooperation with the school administration.

This course is an extension of the jazz band experience from *Jazz Ensemble II*. The instruction includes different genres of music that include, but are not limited to, swing, blues, ballads, Latin, and rock styles of music. Students develop their creative skills by studying major scales, Dorian scales, and Mixolydian scales, blues scales, Lydian scales, diminished scales, whole tone scales, Lydian dominant, among others that occur. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: (1) tone production, (2) technical skills, (3) intonation, (4) sight-reading skills, (5) rhythm, and (6) balance and blend. Students will play advanced graded selections. Ranges for brass will fit the personnel for that particular ensemble. (Trumpets to high C-E or above, trombones to high B-flat/A-flat and above.) Students will be asked to master these scales and play at advanced tempos.

NOTE: Students enrolled in instrumental music classes are encouraged to take private lessons with a specialist on their instrument. This is not a requirement, but it is encouraged in order to advance to a high level of performance insight and ability. An enrichment program for private lessons is available. For more information, consult the director.

Chorus

CHORAL CHAMBER ENSEMBLE (NOTEWORTHY)

Course 4180 (two-semester course—may be repeated for credit)

Grade Levels: 9-12

Prerequisites: None

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Edgewood Singers is a small mixed ensemble doing various styles of choral music, with an emphasis on popular music and show tunes. Purchase of an outfit is sometimes required at the student's expense. Performances are mandatory. A very limited number of night rehearsals may be required when preparing for Christmas and spring shows. Students are graded according to performance in class, concert attendance/performance, and participation. An additional choreography fee may be assessed.

Student musicianship and specific performance skills in this course are developed and enhanced through small group instruction. Emphasis is on sight-reading and proper choral techniques such as breathing and tone production, pitch matching, voice placement, blend, proper vowel formation, and diction. Rhythmic performance and development is enhanced through limited use of choreography in performance.

BEGINNING CHORUS (VOCAL ODYSSEY)

Course 4182 (*two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Prerequisites: Audition and admittance only by director

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

New Edition is a beginning level mixed show choir. Choreography and choral music are taught, and some additional opportunities for solo singing exist to enhance development of musicianship and specific performance skills. Purchase of an outfit is required at the student's expense, a choreography fee is assessed each semester, and dues are charged each month. Some night rehearsals are required and performances are mandatory. Students are graded according to performance in class, concert attendance/performance, and participation.

Student musicianship and specific performance skills in this course are developed and enhanced through group instruction. Emphasis is on sight-reading and proper choral techniques such as breathing and tone production, pitch matching, voice placement, blend, proper vowel formation, and diction. Rhythmic performance and development is enhanced through extensive use of choreography in performance.

INTERMEDIATE CHORUS (SOPHISTICATED LADIES)

Course 4186 (*two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Prerequisites: Audition and admittance only by director

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Sophisticated Ladies is an intermediate level show choir. Choral music and choreography are taught. Purchase of an outfit is required at the student's expense, a choreography fee is assessed each semester, and dues are charged each month. Some night rehearsals are required and are more numerous than the beginning chorus. Students are graded according to performance in class, concert attendance/performance, and participation.

Student musicianship and specific performance skills are developed and enhanced through group instruction and solo singing opportunities. Emphasis is on sight-reading and proper choral techniques such as breathing and tone production, pitch matching, voice placement, blend, proper vowel placement, and diction. Rhythmic performance and development is enhanced through extensive use of choreography in performance. Critical listening skills are utilized during sight-reading, some *a cappella* singing, and learning three and four part vocal music.

ADVANCED CHORUS (MUSIC WAREHOUSE)

Course 4188 (*two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Prerequisites: Audition and admittance only by director

This course counts as a Directed Elective

This course counts as a Fine Arts course for the Academic Honors Diploma

Music Warehouse is an advanced level mixed show choir. Members perform choreography and sing a variety of styles of choral music. An outfit is required at the student's expense, a choreography fee is assessed each semester, and monthly dues are charged. There are numerous night rehearsals and performances which are mandatory. Students are graded according to performance in class, concert attendance/performance, and participation.

Student musicianship and specific performance skills are developed and enhanced through group instruction and solo singing opportunities. Emphasis is on sight-reading and proper choral techniques such as breathing and tone production, pitch matching, voice placement, blend, proper vowel placement, and diction. Rhythmic

performance and development is enhanced through extensive use of choreography in performance. Critical listening skills are utilized during sight-singing, a cappella singing, and learning choral music in four to eight part harmony. A cappella singing is mostly used as a learning tool for singing close harmonies.

INTERNSHIP

CAREER EXPLORATION INTERNSHIP

Course 0530 (*one or two-semester course, 2 periods per semester*)

Grade level: 11-12

Prerequisites: Attendance will be considered. Application with Internship Agreement and admittance required. See counselor or instructor for an application. **Students must provide their own transportation.**

This course counts as a Directed Elective

This course meets for two class periods per semester; students can earn two credits each semester.

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

WORK-BASED LEARNING CAPSTONE

Course 5974 (*one or two-semester course, 2 periods per semester*)

Grade level: 11-12

Prerequisites: Complete at least one advanced career and technic course from a Career Pathway. Worksite placement must align to the Pathway.

- Attendance will be considered.
- Application with Internship Agreement and admittance required. See counselor or instructor for an application.
- **Students must provide their own transportation.**
- **This course counts as a Directed Elective**

This course meets for two class periods per semester; students can earn two credits each semester.

WBL Capstone is a stand-alone course that prepares students for college and/or a career. This course occurs in real or simulated workplace settings and involves 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, parent or guardian, school, and employer partner 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 either on-the-job or in a classroom setting 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.

YOUTH APPRENTICESHIP (UPSKILLS)

Course 6149 (*one or two-semester course, 2-3 periods per semester*)

Grade level: 11-12

Prerequisites: Attendance will be considered. Application with Internship Agreement and admittance required. See counselor or instructor for an application. **Students must provide their own transportation.**

This course counts as a Directed Elective

This course meets for two or three class periods per semester; students can earn two or three credits each semester.

Youth Apprenticeships are intensive, paid, Work-Based Learning experiences which utilize a combination of on-the-job (OJT) and classroom-related technical instruction (RTI). Youth Apprenticeships may take a variety of forms, including Pre-Apprenticeships, Modern Youth Apprenticeships, and apprenticeships focused on youth that are not federally registered. Youth Apprenticeships, in any form, should support progressive skill acquisition and lead to postsecondary or industry credentials.

MANUFACTURING

PRINCIPLES OF INDUSTRY 4.0 AND DIGITAL MANUFACTURING

Course 7220 (*two-semester course*)

Grade level: 9-12

Prerequisites: None

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

MATHEMATICS

The academic mathematics sequence is as follows:

1. Algebra I (may be taken while enrolled at EJHS or EHS)
2. Geometry (may be taken while enrolled at EJHS or EHS)
3. Algebra II
4. Pre-Calculus/Trigonometry, ACP Pre-Calculus, ACP Finite Mathematics, and/or AP Statistics
5. AP Calculus AB
6. AP Calculus BC

The following is the mathematics department policy regarding advancement from one course to the next in the math sequence:

In moving from *Algebra I* to *Geometry*, from *Geometry* to *Algebra II*, and from *Algebra II* to *Pre-Calculus*, the student is ***highly recommended*** to have a C- or better in the second semester of the previous course. If the student has any grade less than a C- for the second semester course, then the student may have difficulty with the material covered in the course at the next level.

The rationale behind this recommendation is not only that we want students to be able to perform with a certain degree of proficiency before moving on to the next level, but also because we wish to see the students gain confidence in their work and be placed in a course in which he/she can be, with hard work and effort, successful. In short, we want the student to be able to master the concepts presented rather than failing or minimally passing the course.

EDGEWOOD HIGH SCHOOL CREDIT POLICY **FOR HIGH SCHOOL COURSES TAKEN DURING JUNIOR HIGH SCHOOL** **(Algebra I, Honors Geometry, & Honors Biology I)**

For any high school course taken prior to Grade 9 (Algebra I, Honors Geometry, Honors Biology I):

- If a student fails the course, he/she will have to repeat the course the following school year.
- Semester grades (and credits) will appear on the high school transcript and will be factored into the high school cumulative GPA, which could affect valedictorian/salutatorian eligibility, etc. If the student does not want those grades to appear on the high school transcript, he/she must repeat the course the following school year. If the course is repeated, the new grades will replace the original grades on the high school transcript. (This opportunity only applies to high school courses taken prior to Grade 9.)

Example:

Student A takes Algebra I as a 7th grade and earns a C each semester. Student A chooses to retake Algebra I in 8th grade and earns a B each semester. Student A's high school transcript will show Algebra I taken in 8th grade with a B each semester.

It is important to consider that if a student receives high school credit, the grade becomes a part of the student's high school transcript and in turn is used in calculating grade point average (G.P.A) and class rank. While the grade for one class does not have a tremendous impact on a student's G.P.A or class rank, it does have some impact which, in turn, can affect college admission, college scholarships, state-awarded financial aid for college, collegiate athletic eligibility, selection of valedictorian, Academic Honors Diploma and Technical Honors Diploma recipients, etc.

ALGEBRA I

Course 2520 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: None

Topics covered are: slope intercepts and graphing; using algebra to solve word problems; algebraic axioms and properties; working with exponents; adding, subtracting, multiplying, and dividing polynomials; factoring polynomials; adding, subtracting, multiplying, and dividing algebraic fractions; solving and graphing equations in two variables.

GEOMETRY

Course 2532 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: Successfully complete Algebra I

Geometry is the branch of mathematics that deals with points, lines, planes, and solids, and examines their properties, measurement, and mutual relations in space. The course includes angle measure; construction of geometric figures; deductive and inductive reasoning; methods of proving geometric figures congruent; special triangles and special characteristics of triangles; similarity of geometric figures; polygons and areas of polygons; special characteristics of the circle; trigonometry of the right triangle; characteristics of special polygons; coordinate geometry; prisms and cylinders.

HONORS GEOMETRY

Course 2532H (*two-semester course*)

Grade Levels: 9-12

Prerequisites: B+ or higher in first semester of Algebra I

The class will spend substantially more time than regular geometry on coordinate geometry, expand the role of deductive and inductive proof and investigate non-Euclidean Geometries. To accomplish these goals, the class will move at a faster pace than the regular course and require slightly more out-of-class homework. A secondary goal is to increase the level of rigor by looking at more difficult problems and at more applications.

ALGEBRA II

Course 2522 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: Successfully complete Algebra I and Geometry

Equipment and supplies furnished by student: a scientific calculator, an ample supply of standard graph paper, and a 6' plastic ruler

It reviews and extends *Algebra I* concepts and includes: solving absolute value equations; solving inequalities, compound inequalities, and absolute value inequalities; relations and functions, working with and graphing linear functions and equations in different forms, special functions, graphing linear inequalities; systems of linear equations, solving systems of two linear equations using substitution, elimination, graphing, and Cramer's Rule; graphing a system of linear inequalities; solving a system of linear equations in three variables; adding, subtracting, and multiplying matrices, matrices and determinants, identity and inverse matrices; review of working with polynomials, dividing polynomials, factoring, roots of real numbers, radical expressions, rational exponents, complex numbers; quadratic functions and inequalities, solving quadratic equations by graphing, factoring, and completing the square, using the quadratic formula; analyzing and graphing conic sections, the distance and midpoint formulas; exponential and logarithmic functions, logarithms and logarithmic functions, properties of logarithms, common and natural logarithms, solving exponential equations; and concepts of statistics integrated throughout the course.

HONORS ALGEBRA II

Course 2522H (two-semester course)

Grade Levels: 10-12

Prerequisites: B+ or higher in first semester of Geometry/Honors Geometry

The primary goal of *Honors Algebra II* is to spend more time on Conic Sections, Probability, Logarithms, and Sequences than is spent in the regular class. To accomplish this goal, less time is spent reviewing *Algebra I* than in the regular class and the pace of the class is quickened. The accelerated pace will result in a slightly greater homework load. A secondary goal is to increase the level of rigor by looking at more difficult problems and at more applications.

PRE-CALCULUS/TRIGONOMETRY

Course 2564 and 2566 (two-semester course)

Grade Levels: 11-12

Prerequisites: Successfully complete Algebra I, Geometry, and Algebra II

Pre-Calculus/Trigonometry is a course that blends together many of the concepts and skills that must be mastered prior to enrollment in a college-level calculus course. A functional approach provides for the integration of trigonometric concepts, relationships of equations and graphs, and applications to real world problems. Scientific calculators are used to help students easily evaluate trigonometric expressions (in degree measure and radian measure). **Equipment and supplies furnished by the student for Pre-Calculus/Trigonometry:** a scientific calculator (graphing calculator optional), an ample supply of standard graph paper, and a 6" plastic protractor.

The course includes the following topics:

Functions: Domain, range, zeros, operations with functions, composition of functions, inverses of functions.

Trigonometry: The six trigonometric functions (sine, cosine, cosecant, secant, tangent, and cotangent); using the trigonometric functions to solve right triangles; an introduction of radian measure; an introduction of the unit circle—learn the location and coordinates of numbers and their multiples, on the unit circle; deriving and verifying identities; the domain, range, fundamental period, and graphs of the trigonometric functions and their inverses; deriving and applying the law of sines and the law of cosines to solve oblique triangles; using the scientific calculator in trigonometry to solve problems and interpret results.

ACP PRE-CALCULUS/TRIGONOMETRY

Course 2564.DC and 2566.DC (two-semester course)

Grade Levels: 11-12

Prerequisites: Algebra II with C- or higher (a grade of B or higher is highly recommended)

IU Prerequisites for College Credit:

- 2.7 cumulative GPA

The topics of *ACP Pre-Calculus* (first semester) include: algebraic operations; polynomial, exponential, and logarithmic functions and their graphs; conic sections; systems of equations; and inequalities.

The topics of *ACP Trigonometry* (second semester) include: trigonometric functions; identities; and graphs of trigonometric and inverse trigonometric functions.

***ACP Pre-Calculus/Trigonometry* may be taken for I.U. M125/M126 for 6 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.)** For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

ACP FINITE MATHEMATICS

Course 2530.DC (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Algebra II with C- or higher (a grade of B or higher is highly recommended)

IU Prerequisites for College Credit:

- 2.7 cumulative GPA

Note: Can be taken concurrently with AP Statistics

Note: May be taken concurrently with *Pre-Calculus* or *AP Calculus AB*. Students planning on taking *AP Calculus AB* in college are strongly encouraged to take *Pre-Calculus/Trigonometry* and *AP Calculus AB*.

The topics of *ACP Finite Mathematics* include sets, counting (combinations and permutations), basic probability (including random variables and expected values), linear systems, matrices, linear programming, and applications. This is a college-level course and will require a corresponding level of student effort.

***ACP Finite Mathematics* may be taken for I.U. M118 for 3 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.)** For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

AP STATISTICS

Course 2570 (*two-semester course*)

Grade Level: 11-12

Prerequisites: Successful completion of Algebra II

Note: Can be taken concurrently with Pre-Calculus/Trigonometry and/or ACP Finite

STUDENTS ENROLLED IN THIS COURSE WILL BE REQUIRED TO TAKE THE AP STATISTICS EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP Statistics is a course based on the content established and copyrighted by the College Board. The *AP Statistics* course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college math class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

AP CALCULUS AB

Course 2562 (*two-semester course*)

Grade Level: 11-12

Prerequisites: Successful completion of Pre-Calculus

IU Prerequisites for College Credit: 2.7 cumulative GPA

STUDENTS ENROLLED IN THIS COURSE WILL BE REQUIRED TO TAKE THE AP CALCULUS AB EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP Calculus AB covers at least as much material as a standard first semester of college calculus. The following list indicates topics that should be taught in an *AP Calculus AB* course or in preparation for the course:

- A. Elementary Functions (algebraic, trigonometric, exponential, and logarithmic)
 - 1) Properties of function; 2) Properties of particular function; 3) Limits
- B. Differential Calculus
 - 1) The derivative; 2) Applications of the derivative
- C. Integral Calculus
 - 1) Antiderivatives; 2) Application of antiderivatives; 3) Techniques of integration; 4) The definite integral; 5) Applications of the integral

Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college math class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

***AP Calculus AB* may also be taken for I.U. M211 for 4 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) Receiving credit is dependent upon passing the course rather than upon a specific examination as is the case with the AP test. For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.**

AP CALCULUS BC

Course 2572 (*two-semester course*)

Grade Level: 12

Prerequisites: Successful completion of AP/ACP Calculus AB

STUDENTS ENROLLED IN THIS COURSE WILL BE REQUIRED TO TAKE THE AP CALCULUS BC EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AP Calculus AB to parametric, vector-valued, and polar functions, and introduces the topic of sequences and series. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. 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. The content of AP Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for AP Calculus AB.

Students who score at a high enough level on the AP exam may receive credit for and/or exemption

from a college math class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

MULTIDISCIPLINARY

FOUNDATIONS FOR SUCCESS

Course 0500.FFS (*two-semester course; may be repeated*)

Grade Levels: 9 -12

Prerequisites: Counselor/Administrator approval

This course counts as a Directed Elective

Foundations for Success will teach students many valuable skills including study skills, effective communication, team building, postsecondary planning, career/job skills (resume writing, interview skills, etc.) and many more. The teacher will support students academically by helping them to track their homework assignments and by serving as a liaison between students, teachers and parents. The teacher will also provide a sense of community within the classroom to help students feel connected to school.

PHYSICAL EDUCATION AND HEALTH

PE Waiver Policy

Beginning with the 2024-25 school year, students have a new opportunity for earning a PE credit. Students have the option to earn one PE credit by successfully completing one of the following activities during 9th grade:

- Marching Band: Complete one season
- Show Choir: Complete one full academic year of show choir (Warehouse, Sophisticated Ladies, Vocal Odyssey)
- IHSA Sport: Complete one season of a sport:
 - Baseball
 - Basketball
 - Cheer (fall and winter)
 - Cross Country
 - Football
 - Golf
 - Gymnastics
 - Soccer
 - Softball
 - Swimming
 - Tennis
 - Track
 - Volleyball
 - Wrestling

The PE credit and corresponding letter grade will be awarded upon successful completion of the approved activity as determined by the teacher/coach/sponsor. Parents/guardians must submit the PE Credit Waiver Application Google Form by a specified deadline each year.

PHYSICAL EDUCATION I

Course 3542 (*one-semester course*)

Grade Level: 9

Prerequisites: None

Physical Education I continues the emphasis on health-related fitness and developing the skills and habits necessary for team activity. This program includes development of cardiorespiratory and muscular strength and endurance through aerobic exercise and aquatics and skill development primarily through team sport involvement. Ongoing assessment includes both written and performance-based skill evaluations.

HEALTH AND WELLNESS EDUCATION

Course 3506 (*one-semester course*)

Grade Level: 10

Prerequisites: None

Health and Wellness Education's goal is to promote health literacy—the ability to obtain, interpret and understand basic health information. This course includes the major content areas: (1) growth and development; (2) mental and emotional health; (3) nutrition; (4) family life; (5) alcohol, tobacco and other drugs; (6) consumer and community health; and (7) health promotion and disease prevention.

Students are provided with opportunities to explore the effects of health behaviors on an individual's quality of life. This course assists students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease. A variety of instructional strategies, including technology, are used to further develop health literacy. This course is required to meet state graduation, Core 40, and Honors Diploma requirements.

PE Electives

Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in specific areas. The courses include the study of physical development concepts and principles of sport and exercise as well as opportunities to develop and refine skills and attitudes that promote life-long 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. Classes are coeducational unless the activity involves bodily contact or groupings are based on an objective standard of individual performance developed and applied without regard to gender. A maximum of six elective credits can be earned, provided that there is no course or skill level duplication. Following are descriptions of elective P.E. course choices:

ELECTIVE P.E.—COLOR GUARD

Course 3560C (*one or two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Note: This course is open to all students; participation on the EHS Color Guard team or Winter Guard team is not required.

Elective P.E.—Color Guard is designed to introduce and expand upon technical elements of spinning, flag, rifle and saber. It will also introduce dance elements that instill spatial awareness, understanding of basic biomechanics, and self-confidence. Students will learn the history of color guard on a state, national, and international level. Students will gain understanding of rhythmic and musical timing. Students will be able to create and analyze color guard performances in alliance with state and national scoring criteria.

ELECTIVE P.E.—LIFEGUARDING AND AQUATIC CONDITIONING

Course 3560L (*one-semester course*)

Grade Levels: 9-12

Prerequisites: Must have completed P.E. I with a grade of C or higher in each course or receive administrative waiver. Must be age 15 or older during or before the semester you are enrolled in this course.

Students will be instructed in American Red Cross Basic Lifeguarding, CPR for the Professional Rescuer, and Standard First-Aid. Aquatic conditioning will be a large part of the course curriculum and students will be expected to swim on a daily basis. Minimum swimming requirements must be met by the end of the semester for certification. A \$60.00 fee for instructional material and certification will be added to the student's book rental fees.

ELECTIVE P.E.—STRENGTH TRAINING AND ATHLETIC DEVELOPMENT

Course 3560S (*one or two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Note: This course is open to all students. Athletes are recommended to take this course.

The purpose of this course is to help students develop into better-performing athletes. This course emphasizes weight training, flexibility, agility, quickness, speed improvement, and cardiovascular endurance. Some classroom work relating to nutrition and physical activity will be required.

ELECTIVE P.E.—TEAM SPORT OFFICIATING

Course 35600 (*one or two-semester course—may be repeated for credit*)

Grade Levels: 9-12

Note: There will likely be additional fees for this course. Fees TBD.

Students enrolled in *Team Sport Officiating* will learn rules and regulations of selected team sports and develop skills in the areas of communication, decision-making, and conflict management which are needed to officiate team sport competitions. Upon completion of coursework and assessments, students will become licensed officials for a variety of Indiana High School Athletic Association sports.

PRINCIPLES OF EXERCISE SCIENCE

Course 7320 (*two-semester course*)

Grade Levels: 9-12

Principles of Exercise Science provides an introduction to the science of exercise and human movement. Special topics include exercise physiology, sport biomechanics, sports medicine, and motor integration. Additionally, the course will examine career options in sports, health and wellness, education, and the medical fields such as personal training, athletic training, and physical therapy.

SCIENCE

EARTH AND SPACE SCIENCE I

Course 3044 (two-semester course)

Grade Levels: 9

Prerequisites: None

Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

BIOLOGY I

Course 3024 (two-semester course)

Grade Levels: 9-10

Prerequisites: It is recommended that students have earned a C- or above in 8th grade science

This course emphasizes six major biological principles, scientific concepts, and theories related to living organisms in their environment. The study of biological concepts and theories develops an understanding that all life is composed of cells with similar structures that enable organisms to reproduce and transform energy. Students use the scientific method process to investigate and solve biological problems associated with personal and social issues. Students study the science of biology, genetics and inheritance, biotechnology, natural selection as a mechanism of evolution, history of life on earth, animal behavior, and ecology. Students are given opportunities to investigate various biological careers. This course is taught in an applied manner with laboratory activities of at least 25% included.

HONORS BIOLOGY I

Course 3024H (two-semester course)

Grade Levels: 9

Prerequisites: B+ or higher in first semester of Algebra I

This is a two-semester or full year of freshmen Core 40 Biology using the same criteria and curriculum as the general biology course, but with an emphasis on detail, depth, and pace of biology concepts.

PRINCIPLES OF BIOMEDICAL SCIENCES PLTW

Course 5218 (two-semester course)

Grade Levels: 9-12

Prerequisites: Biology I or concurrent enrollment in Biology I

This course counts as a Directed Elective

Principles of Biomedical Sciences PLTW provides an introduction to this field through “hands-on” projects and problems. Student work involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme throughout the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's

life. Key biological concepts included in the curriculum are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Engineering principles such as the design process, feedback loops, fluid dynamics, and the relationship of structure to function will be included where appropriate. The course is designed to provide an overview of all courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses.

ANATOMY & PHYSIOLOGY

Course 5276 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Biology (required); Chemistry (recommended)

This course counts as a Directed Elective

Anatomy & Physiology is a course in which students investigate and apply concepts associated with human structure and function. Concepts covered include anatomical directional terms and cavities, chemistry, cells, tissues, and organ systems. Students will understand the structure, organization, and function of the various components of the healthy human body in order to apply this knowledge in all health-related fields.

The course should include ample laboratory experiences that illustrate the application of the standards to the appropriate cells, tissues, organs, and organ systems. Dissection is both appropriate and necessary. Students should be able to use basic laboratory equipment such as microscopes and dissection materials.

MEDICAL INTERVENTIONS PLTW

Course 5217 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Anatomy & Physiology

This course counts as a Directed Elective

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

INTEGRATED CHEMISTRY-PHYSICS

Course 3108 (*two-semester course*)

Grade Levels: 10-12

Prerequisites: None

This course counts as a Quantitative Reasoning course

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

Note: Students are not allowed to take *Integrated Chemistry-Physics* if they have already passed *Chemistry I* or *Physics I* (unless administrative approval is granted) because content is repeated at a more advanced level.

CHEMISTRY I

Course 3064 (two-semester course)

Grade Levels: 10-12

Prerequisites: Algebra I (C+ or above is highly recommended)

This course counts as a Quantitative Reasoning course

Chemistry I is a one-year academic physical science course which covers matter and how it behaves. Topics covered include the elements and the Periodic Table, structure and nomenclature of atoms and compounds, states and properties of matter, scientific measurement, problem solving and stoichiometry, chemical quantities and reactions, solutions, acids and bases, and nuclear chemistry. Laboratory activities are an important part of this course. Emphasis will be placed on laboratory safety and proper lab techniques. Lab activities of at least 25% will apply to topics being studied and will include measurement and interpretation of both quantitative and qualitative data.

HONORS CHEMISTRY I

Course 3064H (two-semester course)

Grade Levels: 10-12

Prerequisites: B+ or higher in first semester of Algebra I

This course counts as a Quantitative Reasoning course

Honors Chemistry I will cover the same concepts and be taught from the same textbook as regular *Chemistry I*. These include, but are not limited to, the elements and the Periodic Table, the structure and nomenclature of atoms and compounds, states and properties of matter, scientific measurement, problem solving and stoichiometry, chemical quantities and reactions, solutions and gases, acids and bases, and nuclear chemistry. The pace of the course may be slightly faster than that of the *Chemistry I* course; however, concepts will be discussed in more depth than in the *Chemistry I* course, including scientist profiles and current developments in scientific thinking. *Honors Chemistry I*, will also cover the same state standards as the *Chemistry I* course.

Laboratory activities are an important part of this course. Laboratory safety and proper techniques will be taught with emphasis on scientific method and experimental design. Lab activities will apply to topics being studied and will include measurement and interpretation of both quantitative and qualitative data.

PHYSICS I

Course 3084 (two-semester course)

Grade Levels: 10-12

Prerequisites: Algebra I (C+ or above is highly recommended)

This course counts as a Quantitative Reasoning course

Physics is the study of energy and the natural laws governing it. This includes forces, motion of objects, machines, sound and light, electricity, and magnetism. Laboratory exercises are designed to allow students to see and experience the principles discussed in class and are at minimum a 25% component of this course.

ADVANCED SCIENCE, SPECIAL TOPICS: ZOOLOGY

Course 3092Z (two-semester course)

Grade Levels: 10-12

Prerequisites: Biology (C or above is highly recommended)

Advanced Science, Special Topics: Zoology is a standards-based, interdisciplinary science course that integrates biology, chemistry, and microbiology in an agricultural context. Students enrolled in this course formulate, design, and carry out animal-based laboratory and field investigations as an essential course component. Students investigate key concepts that enable them to understand animal growth, development and physiology as it pertains to agricultural science. This course stresses the unifying themes of both biology

and chemistry as students work with concepts associated with animal taxonomy, life at the cellular level, organ systems, genetics, evolution, ecology, and historical and current issues in animal agriculture. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology and chemistry in highly advanced agricultural applications of animal development.

ENVIRONMENTAL SCIENCE

Course 3010 (two-semester course)

Grade Levels: 10-12

Prerequisites: Biology I and Algebra I (C or above in each is highly recommended)

Environmental Science is a one-year academic course designed to explore the interrelationships between humans, their economy, and the natural world. Using a scientific approach, students will study biodiversity, ecological concepts, population principles, endangered species and habitats, air and water pollution, environmental health, and global perspectives. Instruction in this course will be based on lab and field exercises, research projects, guest speakers, and class discussions that reinforce scientific principles.

AP ENVIRONMENTAL SCIENCE

Course 3012 (two-semester course)

Grade Levels: 10-12

Prerequisites: Biology I. Chemistry I is recommended. (C or above in each is highly recommended)

This course counts as a Quantitative Reasoning course

STUDENTS ENROLLED IN THIS COURSE WILL BE REQUIRED TO TAKE THE AP ENVIRONMENTAL SCIENCE EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP Environmental Science is a course based on content established by the College Board. Students enrolled in *AP Environmental Science* investigate (via weekly labs or activities and corresponding reports) the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college science class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

ACP BIOLOGY

Course 3026.DC (two-semester course)

Grade Levels: 11-12

Prerequisites: Biology I (B or above is highly recommended) and Chemistry I (C or above is highly recommended). Advanced Science, Special Topics: Zoology or Anatomy & Physiology is also recommended.

IU Prerequisites for College Credit: 2.7 cumulative GPA

Principles of biological organization, from molecules through cells and organisms to populations. Emphasis on processes common to all organisms, with special reference to humans.

ACP Biology may be taken for I.U. L100 for 5 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

AP CHEMISTRY

Course 3060 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Algebra II is required (B- or above in each is highly recommended); Chemistry I is recommended. Summer reading and problem set assignments will be required*.

This course counts as a Quantitative Reasoning course

STUDENTS ENROLLED IN THIS COURSE WILL BE REQUIRED TO TAKE THE AP CHEMISTRY EXAM AT NO COST TO THE STUDENT. Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

* Students will be required to pick up their textbooks at the end of this school year and complete a number of reading and problem set assignments over the summer (prior to the beginning of this course) as a review of Chemistry I material. Additionally, students will be tested over this material within the first two days of the school year.

AP Chemistry is similar to a first-year college course in chemistry and is aligned with the guidelines of the College Board toward preparation for taking the *AP Chemistry* examination. It includes a review of *Chemistry I* topics and study of more advanced chemistry concepts with an increased emphasis on mathematical problem solving. Topics covered will include atomic and molecular structure, chemical bonds and valence, thermodynamics, reaction rates and equilibrium, oxidation-reduction reactions, electrochemistry, organic chemistry, and electron configuration. Laboratory work of at least 25% will apply concepts being studied and is an important part of this course. Students may opt to take the AP Chemistry exam in May upon completion of this course.

Course topics include: fluid mechanics, wave phenomena, special relativity; and thermodynamics. This class is calculus-based—the mathematics being derived naturally from the development of the physics concepts in much the same way as Newton originally developed both of these parallel disciplines.

Students who score at a high enough level on the AP exam may receive credit for and/or exemption from an introductory college chemistry class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

ACP PHYSICS 1

Course 3086 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Concurrent enrollment in Calculus is required to earn IU college credits. Physics I is recommended

This course counts as a Quantitative Reasoning course

ACP Physics is an extended laboratory, field, and literature investigations-based course. Students enrolled in *ACP Physics* investigate physical phenomena and the theoretical models that are useful in understanding the interacting systems of the macro- and microcosms. Students extensively explore the unifying themes of physics, including such topics and applications of physics as: energy and momentum in two dimensions; temperature and thermal energy transfer; fluids; electricity; simple and complex circuits; magnetism; electromagnetic induction; geometric optics; particle and wave nature of light; modern physics. Use of laboratory activities aimed at investigating physics questions and problems concerning personal needs and community issues related to physics are embedded within the course.

***ACP Physics* may be taken for I.U. P221 for 5 college credits through the ACP Program if eligibility**

criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

SOCIAL STUDIES

GEOGRAPHY AND HISTORY OF THE WORLD

Course 1570 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: None

Geography and History of the World is a one-year course. The first six weeks will be devoted to a “macro-geographic” view of earth, including: the study of maps, geographic resources, land use, and population patterns. The rest of the year will be devoted to studying individual geographic regions. As regions are studied, they will be examined with regard to the features which make the region distinctive and the cultural and historical influences of the region on the rest of the world. The region’s physical geography, culture, its economic base, and political and economic problems which affect each region will each be the focus of study.

UNITED STATES HISTORY

Course 1542 (*two-semester course*)

Grade Level: 11

Prerequisites: None

United States History emphasizes national development in the late nineteenth and twentieth centuries and builds upon concepts developed in previous studies of American history. Students in this course also identify and review significant events, figures, and movements in the early development of the nation. After providing such review, the course gives major emphasis to the interaction of historical events and geographic, social, and economic influences on national development in the late nineteenth and twentieth centuries. It focuses on the public and private, international and local, political and personal, to tell the challenging story of how history is made by all people.

ACP US HISTORY

Course 1542.DC (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Excellent reading comprehension, writing ability, and interest in history

IU Prerequisites for College Credit: 2.7 cumulative GPA

This course provides the student with a college-level survey of U.S. History from the Age of Exploration to the present. The first semester will conclude with the Civil War, and the second semester will continue from reconstruction to the present.

The course will rely on college-level texts (subject to change by I.U.), John A. Garraty’s The American Nation, Richard Nofstadter’s Great Issues in American History, and supplemental readings. Reading assignments will be lengthy; typically entire chapters will be covered in about 3 to 4 days with additional supplemental readings assigned as well. There will be relatively few daily homework assignments. 40% of the grade for the course will be based on papers and 10% on journals or other homework or projects.

This course has several main objectives. Students will demonstrate mastery of historical material. Students will examine how time and place influence cause and effect. They will be able to discern the geographic, social, religious, economic, political, and technological causes and results of historical events. Students will analyze various interpretations of historical events and will make their own value judgments concerning the policies and personalities of history. They will understand how historical movements have shaped the American experience. Students will also examine the dynamic nature of the Constitution and how it has been able to adapt to new demands and withstand challenges and threats to its integrity. Mastery of these objectives will be demonstrated by a final goal—that students demonstrate an ability to express their understanding through coherent

well-structured essays and papers in addition to other forms of evaluation.

ACP US History may be taken for I.U. H105 for 3 college credits (first semester) and/or I.U. H106 for 3 college credits (second semester) through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

UNITED STATES GOVERNMENT

Course 1540 (*one-semester course*)

Grade Level: 12

Prerequisites: None

We will study American democracy as it pertains to the average citizen. Topics include: the nature of government; civil rights and civil liberties; participation of people in government; political parties; roles of the executive, judicial and legislative branches; and power and authority.

AP UNITED STATES GOVERNMENT AND POLITICS

Course 1560 (*one-semester course*)

Grade Level: 12

Prerequisites: None

This course fulfills the Government requirement for graduation

AP United States Government and Politics is a course based on the content established and copyrighted by the College Board. *AP United States Government and Politics* introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Topics include: (1) constitutional underpinnings, (2) political beliefs and behaviors, (3) political parties, interest groups, and mass media, (4) institutions of national government, (5) public policy, and (6) civil rights and civil liberties.

Students are highly encouraged to take the AP US Government and Politics exam. Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

ECONOMICS

Course 1514 (*one-semester course*)

Grade Level: 12

Prerequisites: None

This course counts as a Quantitative Reasoning course

The course includes an introduction to our economic system. Topics to be studied include: supply and demand; the stock market; factors of production; gross national product; consumerism; taxes; competition and market structure; comparative economic systems; role of the government in the economy; and contemporary issues.

AP MACROECONOMICS

Course 1564 (*one-semester course*)

Grade Level: 12

Prerequisites: None

This course fulfills the Government requirement for graduation

This course counts as a Quantitative Reasoning course

Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP Macroeconomics is a course based on the content established and copyrighted by the College Board. *AP Macroeconomics* is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Topics include: basic economic concepts; measurement of economic performance; national income and price determination; financial sector; stabilization policies; and economic growth.

CURRENT PROBLEMS, ISSUES, AND EVENTS

Course 1512 (*one-semester course*)

Grade Levels: 9-12

Prerequisites: None

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.

INDIANA STUDIES

Course 1518 (*one-semester course*)

Grade Levels: 9-12

Prerequisites: None

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.

LAW EDUCATION

Course 1526 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: None

This is an introduction to personal and practical law giving students a working knowledge of the American legal system and its basis in the United States Constitution. This class will discuss protections the legal system affords its citizens and explain what the system expects from the people. It shows ways of dealing with interpersonal conflict in order to secure constructive change along with the development of critical thinking and problem-solving skills. In short, this class studies how law works in everyday life. Topics discussed will include the Constitution and the law, criminal law and procedure, tort law, consumer law, and family law. Case studies, field trips, simulations, and mock trials will be used whenever feasible.

PSYCHOLOGY

Course 1532 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: None

Psychology is the scientific study of mental processes and behavior. The course is divided into six content areas and uses the scientific method to explore research methods and ethical considerations. Developmental psychology takes a life span approach to physical, cognitive, language, emotional, social, and moral development. Cognitive aspects of the course focus on learning, memory, information processing, and language. Personality, Assessment, and Mental Health topics include psychological disorders, treatment, personality, and assessment. Socio-cultural dimensions of behavior deal with topics such as conformity, obedience, perceptions, attitudes, and influence of the group on the individual. The Biological Basis focuses on the way the brain and nervous system function, including sensation, perception, motivation, and emotion.

AP PSYCHOLOGY

Course 1558 (*two-semester course*)

Grade Levels: 10-12

Prerequisites: None

Because AP exams must be ordered in November, students must decide by November 1st whether they will 1) continue taking this course second semester and take the AP exam or 2) drop this course second semester and not take the AP exam.

AP Psychology is a course based on content established by the College Board. This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes. Topics include: (1) history and approaches, (2) research methods, (3) biological bases of behavior, (4) sensation and perception, (5) states of consciousness, (6) learning, (7) cognition, (8) motivation and emotion, (9) developmental psychology, (10) personality, (11) testing and individual differences, (12) abnormal psychology, (13) treatment of psychological disorders, and (14) social psychology.

Students are highly encouraged to take the AP Psychology exam. Students who score at a high enough level on the AP exam may receive credit for and/or exemption from a college class, thus saving both classroom time and tuition fees. See the “Advanced Placement & Dual HS/College Credit Courses” section for exam fee information. Visit www.TransferIN.net for a list of college courses (and number of college credits) specific colleges will grant for a given AP exam score.

SOCIOLOGY

Course 1534 (*one-semester course*)

Grade Levels: 10-12

Prerequisites: None

This is a college preparation course, and students should be prepared to work at a corresponding level.

Understanding the interaction of human beings is the topic of this semester class. The course includes: components of culture; conformity and deviance (crime and the criminal justice system); social institutions (family, religion, government, economics and education); community continuity and change; social problems (minorities and discrimination, poverty, overcrowding, pollution, and social conflict); structure of society; groups; research methods; the impact of technology on society; and collective behavior.

WORLD LANGUAGES

Students who fail the first semester of a world language are usually required to drop the class for second semester. It is not recommended that a student continue to the next level world language class if he/she receives lower than a C- the second semester of a beginning level. It is recommended he/she retake any failed semester before continuing to the next level.

ENGLISH AS A NEW LANGUAGE (ENL)

Course 2188 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: Placement in this course is based on WIDA scores.

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.

GERMAN I

Course 2040 (*two-semester course*)

Grade Levels: 9-12

Prerequisites: Interest in German

This course counts as a Directed Elective

German I provides an introduction both to the German language and the cultures of German-speaking peoples. Students will come to a deeper understanding of the reasons for language learning as well as an appreciation for and willingness to experience other cultures. This course provides students with opportunities to respond to and give oral directions and commands to make requests in the classroom and in public places; to understand how and when to use formal and informal address; to tell about daily routines and activities; to hold simple conversations with other German-speakers related to their needs and interests; to be able to derive meaning in contextual readings involving menus, signs, and schedules; to understand written directions and information; to read short, narrative texts on simple topics; and to communicate in writing in appropriate contexts. Students will also learn about aspects of German-speaking cultures such as nonverbal communication, current events, holidays, geographical features, and proper etiquette in situations involving greeting, leave-taking, and introductions.

GERMAN II

Course 2042 (*two-semester course*)

Grade Levels: 10-12

Prerequisites: German I (recommended grade of C- or higher)

This course counts as a Directed Elective

Students in *German II* will be able to participate in classroom and extracurricular activities related to German and in conversations dealing with daily activities and personal interests. In *German II*, students will be able to: ask questions regarding routine activities; participate in conversations with other German-speakers on a variety of topics; relate a simple narrative about a personal experience or event; interact in a variety of situations to meet personal needs such as asking permission, asking for or responding to an offer of help, and expressing preferences pertaining to everyday life; understand main ideas from simple texts over familiar topics; read aloud with appropriate intonation and pronunciation; and write briefly in response to given situations. Culturally, students will: become more familiar with major geographical features, historical events, and political structures of German-speaking countries; become familiar with the visual arts, architecture, literature and music; be able to

extend and respond to hospitality; and be aware of time expectations. All of these goals will be accomplished using German where appropriate.

GERMAN III

Course 2044 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: German II (recommended grade of C- or higher)

This course counts as a Directed Elective

Students in German III will use German to compare and converse about the social behaviors and values of German-speaking people. Students will also be able to: respond to factual and interpretive questions and interact meaningfully in a variety of social situations, read for comprehension from a variety of authentic materials, read short literary selections from a variety of sources; write paraphrases, summaries, and brief compositions; describe different aspects of the culture, using German where appropriate, including major historical events, political structures, value systems, visual arts, architecture, literature, and music. They will develop listening comprehension, simple speaking proficiency, controlled reading skills and simple written compositions. Active oral participation is required. The class will be conducted mostly in German.

This course will be taught concurrently with *German III ACP*. Though the course is being taught as a college-level class, accommodations will be made on some assignments and exams to allow for extended time and differing expectations. Extra credit may be offered. Students will be expected to purchase their own textbooks and workbooks.

ACP GERMAN III

Course 2044.DC (*two-semester course*)

Grade Level: 12

Prerequisites: German II or German III (recommended grade of C- or higher)

IU Prerequisites for College Credit: 2.7 cumulative GPA

This course counts as a Directed Elective

ACP Students in *German III* will use German to compare and converse about the social behaviors and values of German-speaking people. Students will also be able to: respond to factual and interpretive questions and interact meaningfully in a variety of social situations, read for comprehension from a variety of authentic materials, read short literary selections from a variety of sources; write paraphrases, summaries, and brief compositions; describe different aspects of the culture, using German where appropriate, including major historical events, political structures, value systems, visual arts, architecture, literature, and music. They will develop listening comprehension, simple speaking proficiency, controlled reading skills and simple written compositions. Active oral participation is required. The class will be conducted mostly in German.

ACP German III may be taken for I.U. G150 for 4 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

GERMAN IV

Course 2046 (*two-semester course*)

Grade Level: 12

Prerequisites: German III (recommended grade of C- or higher)

This course counts as a Directed Elective

During the first semester of *German IV*, Students will continue language acquisition within a cultural context, as begun in the first three years of German. Students will work on raising their level of proficiency in the German language through reading, writing, listening, and intensive oral work in class as well as homework assignments.

Homework assignments encompass a lot of grammar review and are mostly independent. It is expected that students will spend approximately ten hours per week on homework, preparation, and memorization (including weekends). Tests and portfolio assignments will be given as we complete each chapter of the book, and there will be a one hour final examination. During the second semester of *German V*, students will continue language acquisition within a cultural context. Students will expand their vocabulary and work toward higher levels of proficiency in the German language in oral and written self-expression as well as reading and listening comprehension.

This course will be taught concurrently with *German IV ACP*. Though the course is being taught as a college-level class, accommodations will be made on some assignments and exams to allow for extended time and differing expectations. Extra credit may be offered. Students will be expected to purchase their own textbooks and workbooks.

ACP GERMAN IV

Course 2046.DC (two-semester course)

Grade Level: 12

Prerequisites: German III (recommended grade of C- or higher)

IU Prerequisites for College Credit: 2.7 cumulative GPA

This course counts as a Directed Elective

G200 (first semester)

Students will continue language acquisition within a cultural context, as begun in the first three years of German. Students will work on raising their level of proficiency in the German language through reading, writing, listening, and intensive oral work in class as well as homework assignments. Homework assignments encompass a lot of grammar review and are mostly independent. It is expected that students will spend approximately ten hours per week on homework, preparation, and memorization (including weekends). Tests and portfolio assignments will be given as we complete each chapter of the book, and there will be a one hour final examination. To proceed to G250, students need to earn a grade of C- or better in G200.

G250 (second semester) (Prerequisite: G200 with a minimum grade of C-)

Students will continue language acquisition within a cultural context. Students will expand their vocabulary and work toward higher levels of proficiency in the German language in oral and written self-expression as well as reading and listening comprehension.

ACP German IV may be taken for I.U. G200 for 3 college credits (first semester) and/or I.U. G250 for 3 college credits (second semester) through the ACP Program if eligibility criteria are met. (See the "Advanced Placement & Dual HS/College Credit Courses" section for specific requirements.) For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

SPANISH I

Course 2120 (two-semester course)

Grade Levels: 9-12

Prerequisites: Interest in Spanish

This course counts as a Directed Elective

Spanish I is a year-long course with focus on the culture and customs of Puerto Rico, Mexico, Spain, Ecuador, Dominican Republic, and Spanish-speaking areas in the United States. Students have frequent opportunities to hear spoken Spanish and dialects that are used within the Spanish culture. Through the year, students are expected to master: gestures; vocabulary words and expressions; the present and simple past tenses of verbs; commands; and subject, possessive and object pronouns. This mastery enables the student to progress from presenting memorized dialogues to creating his/her own dialogues. The first-year student is also expected to "try out" the language at home with parents or siblings by sharing what was learned in class. Reading and writing activities become progressively more challenging as the student increases his/her mastery of the vocabulary. Internet activities will also be incorporated into the class. The course gives students opportunities

to: 1) respond to and give oral directions and commands and to make routine requests in the classroom and in public places; 2) understand and use appropriate forms of address in courtesy expressions and be able to tell about daily routines and events; 3) ask and answer simple questions and participate in brief guided conversations related to their needs and interests; 4) read isolated words and phrases in a situational context, such as menus, signs, and schedules; 5) comprehend brief written directions and information, and read short narrative texts on simple topics; 6) write familiar words and phrases in appropriate contexts and respond in writing to various stimuli; and 7) express likes and dislikes.

SPANISH II

Course 2122 (*two-semester course*)

Grade Levels: 10-12

Prerequisites: Spanish I (recommended grade of C- or higher)

This course counts as a Directed Elective

The first quarter will include a review of grammar functions and vocabulary covered in *Spanish I*. The second-year student will learn the past tenses, commands, reflexive verbs, and object pronouns, along with an assortment of vocabulary. Students will participate in a variety of classroom activities dealing with daily activities and personal interests. They will be able to ask questions regarding routine activities and participate in short conversations on a variety of topics, such as: asking permission, asking for or responding to an offer of help, expressing preferences, and giving and receiving directions. Students will create and present memorized dialogues/skits to the class on a regular basis. The second-year student will continue to develop writing skills by describing personal experiences or events as well as responding to given situations, such as: writing postcards, letters, and directions. Students will read and understand main ideas and facts from simple texts over familiar topics. The culture and customs covered in the course focus on a variety of Spanish-speaking locations including Spain, Mexico, the United States, the Caribbean, and Argentina. Students will become familiar with the geography and history of these areas. They will also continue to study different cultural aspects, including the visual arts, music, architecture, and literature. Customs, such as time expectations and meal times, will be studied throughout the course. Cultural information will be supplemented with videos, music, and readings. Internet activities will also be incorporated into the class. This course gives students opportunities to: 1) talk about travel and vacations; 2) discuss daily routines and activities and compare those to daily life in other countries; 3) continue practicing reading and listening comprehension by listening to and following along with activities in the text; 4) practice writing skills through guided writing assignments; and 5) make cross-curricular connections based on readings and activities in the text.

SPANISH III

Course 2124 (*two-semester course*)

Grade Levels: 11-12

Prerequisites: Spanish II (recommended grade of C- or higher)

This course counts as a Directed Elective

Spanish III is a year-long course that reviews and builds upon basic structures studied in prior levels of Spanish. Culture and customs focus on the United States, Mexico, Spain, and Central America. Throughout the course students will focus on communication, culture and skill development and will acquire practical vocabulary that will enhance their understanding of essential Spanish grammar concepts. The third year student is expected to use the language in a variety of contexts focusing on understanding and producing the language both verbally and in writing. Students are expected to interact with the instructor and classmates, discussing topics of importance to the twenty-first century, with emphasis on the development of critical thinking skills in addition to the refinement of the four basic language skills.

Juniors enrolled in *Spanish III* are encouraged to apply to the **Indiana University Honors Program in Foreign Languages**. Selected students are eligible to study for six weeks in Viña del Mar, Chile, Mérida, México or Ciudad Real, León or Oviedo, Spain during the summer after his/her junior year.

ACP SPANISH III

Course 2124.DC (two-semester course)

Grade Level: 11

Prerequisites: Spanish II or Spanish III (recommended grade of B or higher)

IU Prerequisites for College Credit: 2.7 cumulative GPA

This course counts as a Directed Elective

ACP Spanish III (I.U. HISP-S200) reviews and builds upon the basic structures studied in prior levels of Spanish, and introduces culture that is woven throughout the chapters to enable students to learn to recognize and appreciate cultural diversity. Like other courses in the language program, this course follows a communicative approach which springs from the idea that languages are best learned when real-world information becomes the focus of student activities. Throughout the course students will focus on communication, culture, and skill development and will acquire practical vocabulary and enhance their understanding of essential Spanish grammar concepts. From the first day of class, students will interact in Spanish with the instructor and with classmates, discussing topics of importance to the twenty-first century, with emphasis on the development of critical thinking skills in addition to the refinement of the four basic language skills.

Juniors enrolled in *ACP Spanish III* are encouraged to apply to the **Indiana University Honors Program in Foreign Languages**. Selected students are eligible to study for six weeks in Viña del Mar, Chile, Mérida, México or Ciudad Real, León or Oviedo, Spain during the summer after his/her junior year.

***ACP Spanish III* may be taken for I.U. HISP-S200 for 3 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.)** For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

SPANISH IV

Course 2126 (two-semester course)

Grade Level: 12

Prerequisites: Spanish III (recommended grade of C- or higher)

This course counts as a Directed Elective

Spanish IV is taught in conjunction with *ACP Spanish IV* (I.U. HISP-S250), although assignments will vary. This course reviews and builds upon the basic structures studied in *Spanish III* and *ACP Spanish III* (I.U. HISP-S200), and introduces culture that is woven throughout the chapters to enable students to learn to recognize and appreciate cultural diversity. Like other courses in the language program, this course follows a communicative approach which springs from the idea that languages are best learned when real-world information becomes the focus of student activities. Throughout the course students will focus on communication, culture, and skill development and will acquire practical vocabulary and enhance their understanding of essential Spanish grammar concepts. From the first day of class, students will interact in Spanish with the instructor and with classmates, discussing topics of importance to the twenty-first century, with emphasis on the development of critical thinking skills in addition to the refinement of the four basic language skills.

ACP SPANISH IV

Course 2126.DC (two-semester course)

Grade Level: 12

Prerequisites: Spanish III or ACP Spanish III (recommended grade of B or higher)

IU Prerequisites for College Credit: 2.7 cumulative GPA

This course counts as a Directed Elective

ACP Spanish IV (I.U. HISP-S250) reviews and builds upon the basic structures studied in *ACP Spanish III* (I.U. HISP-S200), and introduces culture that is woven throughout the chapters to enable students to learn to

recognize and appreciate cultural diversity. Like other courses in the language program, this course follows a communicative approach which springs from the idea that languages are best learned when real-world information becomes the focus of student activities. Throughout the course students will focus on communication, culture, and skill development and will acquire practical vocabulary and enhance their understanding of essential Spanish grammar concepts. From the first day of class, students will interact in Spanish with the instructor and with classmates, discussing topics of importance to the twenty-first century, with emphasis on the development of critical thinking skills in addition to the refinement of the four basic language skills.

***ACP Spanish IV* may be taken for I.U. HISP-S250 for 3 college credits through the ACP Program if eligibility criteria are met. (See the “Advanced Placement & Dual HS/College Credit Courses” section for specific requirements.)** For information regarding the transfer of this credit to other colleges and universities go to www.acp.indiana.edu.

SPECIAL AREAS

Note: In order to promote a college preparatory curriculum, students are limited to one of the following courses each semester: Peer Tutoring; Study Hall; Library Assistant; Office Assistant, and Teacher Assistant. (Exceptions can be made on a case-by-case basis with administrative approval.)

PEER TUTORING

Course 0520 (one or two-semester course)

Grade Levels: 10-12

Prerequisites: Instructor approval

The purpose of this course is to help integrate the student with substantial disabilities into Edgewood High School; to provide positive role models of typical high school behaviors; to instruct peer tutors concerning disabilities and community-based instruction; and to provide an opportunity for friendships and acquaintances to develop. Typical activities performed by peer tutors are tutoring, accompanying a staff member and student on a community trip, small group teaching, supporting a student in a general education class under the guidance of the special education teacher, and completion of outside assignments as indicated on the syllabus. One credit per semester will be earned. A student may enroll in the class for one or two semesters. This course will provide information for students who may be interested in the education or health services fields: general education teacher, special education teacher, speech and language pathologist, physical therapist, occupational therapist, or nurse. Some reading and writing assignments will be required.

LIBRARY MEDIA

Course 1082 (one-semester course)

Grade Levels: 10-12

Prerequisites: Instructor Approval

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.

LIBRARY ASSISTANT

Course 9903 (one or two-semester course—**NON-CREDIT**)

Grade Levels: 10-12

Prerequisites: Application and admittance required. See Counseling Department webpage for an application.

Students will be instructed by the librarian concerning specific tasks necessary for the day-to-day functioning of the library and then will be expected to carry out those tasks in a dependable and accurate fashion. Applications must be signed by the librarian **prior** to turning in the course request sheet. Approved applications should be turned in **with** the course request sheet. A student **may not** have more than one assistant period of any type in any given grading period. A student **may not** enroll in both a study hall and an assistant period during the same grading period.

OFFICE ASSISTANT

Course: Front Office—9901; Guidance Office--9902 (one or two-semester course—**NON-CREDIT**)

Grade Levels: 11-12

Prerequisites: Application and admittance required. See guidanceCounseling Department webpage for an application.

Students will assist office personnel with various clerical tasks, delivering messages, and picking up attendance sheets. Tasks will vary according to the office in which the student works. Applications must be signed by the individual for whom the student wishes to work **prior** to turning in the course request sheet. Approved applications should be turned in **with** the course request sheet. A student **may not** have more than one

assistant period of any type in any given grading period. A student **may not** enroll in both a study hall and an assistant period during the same grading period.

TEACHING ASSISTANT

Course 9905__ (*one or two-semester course—NON-CREDIT*)

Grade Levels: 11-12

Prerequisites: Citizenship and attendance will be considered. Approval required from supervising teacher and administration. See Counseling Department webpage for an application.

Students assist a classroom teacher, usually in clerical activities. A student desiring to be an assistant must fill out an application available in the guidance office and have it signed by the supervising teacher **prior** to turning in the course request sheet. Approved applications should be turned in **with** the course request sheet. A student **may not** have more than one assistant period of any type in any given grading period. A student **may not** enroll in both a study hall and an assistant period during the same grading period. **A teacher may have only one teaching assistant per semester.**

STUDY HALL

Course 0001/0002 (*one or two-semester course—NON-CREDIT*)

Grade Levels: 9-12

Prerequisites: None

Supervised study time. Students are expected to bring materials to study or read and should understand that a quiet atmosphere will be maintained and enforced. Only one study hall per grading period is allowed. A student **may not** enroll in both a study hall and an assistant period during the same semester.

SPECIAL EDUCATION DEPARTMENT

SPECIAL EDUCATION INCLUSION PROGRAM

The general education classes receiving support by the special education inclusion staff will be those courses that are needed to meet graduation requirements. Instruction will be provided by the general education teacher and a member of the inclusion staff. The inclusion staff member will support all students in the general education classroom, special education students as well as regular education students. Individual student needs will be evaluated according to their IEP.

BASIC SKILLS DEVELOPMENT

Course 0500__ (*two-semester course*)

Grade Levels: 9-12

Prerequisites: For special education students only, teacher referral/written parental consent required.

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

The following courses are for special education students receiving a Certificate of Completion or a Certificate of Course Completion. Teacher referral/written parent consent is required.

APPLIED ENGLISH (9, 10, 11, 12)

Course 1002A/1004A/1006A/1008A (*two-semester course*)

Grade Levels: 9-12

APPLIED DEVELOPMENTAL READING

Course 1120A (*one-semester course*)

Grade Levels: 9-12

This course is for special education students who wish to improve their basic reading skills. The curriculum will emphasize improving phonetic awareness. Students will be evaluated according to how well they meet their individual goals established at the beginning of the course.

APPLIED ALGEBRA I

Course 2520A (*two-semester course*)

Grade Levels: 9-12

Applied Algebra I formalizes and extends the mathematics students learned in the middle grades. *Algebra I* is made up of 5 strands: Numbers Sense; Expressions and Computation; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; and Quadratic and Exponential Equations and Functions. The strands are further developed by focusing on the content of the *Algebra* content connectors.

APPLIED GEOMETRY

Course 2532A (*two-semester course*)

Grade Levels: 9-12

Applied Geometry formalizes and extends students' geometric experiences from the middle grades. These critical areas comprise the *Geometry* course: Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

APPLIED MATH LAB

Course 2560A (*two-semester course*)

Grade Levels: 9-12

Applied Mathematics Lab provides students with individualized instruction designed to increase math-related competencies and/or mathematics coursework aligned with Indiana's Academic Standards or Content Connectors for Mathematics.

APPLIED PERSONAL FINANCE

Course 4540A (*one-semester course*)

Grade Levels: 9-12

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

APPLIED LIFE SCIENCE

Course 3030A (*one-semester course*)

Grade Levels: 9-12

Applied Life Science is an introduction to biology course. Students develop problem-solving skills and strategies while performing laboratory and field investigations of fundamental biological concepts and principles. Students explore the functions and processes of cells within all living organisms, general concepts of genetics, and the relationships of living organisms to each other and to the environment as a whole.

APPLIED PHYSICAL SCIENCE

Course 3102A (*one-semester course*)

Grade Levels: 9-12

Applied 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.

APPLIED GEOGRAPHY & HISTORY OF THE WORLD

Course 1570A (one-semester course)

Grade Levels: 9-12

Applied Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to apply their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions; acquiring information by investigating a variety of sources; organizing information by creating graphic representations; analyzing information to understand; determine and explain patterns and trends; planning for the future; and documenting and presenting findings orally or in writing. Students use the knowledge, tools, and skills obtained from this course in order to understand, analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

APPLIED PHYSICAL EDUCATION I

Course 3542A (one-semester course)

Grade Levels: 9-12

Applied Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

APPLIED PHYSICAL EDUCATION II

Course 3544A (one-semester course)

Grade Levels: 9-12

Applied Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in four of the following areas that were not covered in Physical Education I: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

APPLIED HEALTH & WELLNESS

Course 3506A (one-semester course)

Grade Levels: 9-12

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

of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

APPLIED PREP FOR COLLEGE & CAREERS

Course 5394A (*two-semester course*)

Grade Levels: 9-12

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

APPLIED CAREER INFORMATION & EXPLORATION

Course 0522A (*two-semester course*)

Grade Levels: 9-12

Applied Career Information and Exploration provides students with opportunities to learn about themselves including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (2) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as community based instruction, internships, mock interviews, and guest speakers. Portfolio and resume development experience and career-related assessments may also be provided to students.

APPLIED CAREER EXPLORATION

Course 0530A (*two-semester course*)

Grade Levels: 9-12

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

APPLIED WORK BASED LEARNING CAPSTONE

Course 5974A (*two-semester course*)

Grade Levels: 9-12

Applied Work Based Learning Capstone is an instructional strategy that can be implemented as a stand-alone course or a component of any CTE course that prepares students for college and career. This strategy builds individual students' skills and knowledge within the area of interest. A standards based training plan is developed by the student, teacher, and workplace mentor to guide the student's work based learning experiences and assist in evaluating progress and performance, whether WBL is a stand-alone course or a component of a discipline-specific CTE course.

APPLIED BASIC SKILLS DEVELOPMENT

Course 0500A (*two-semester course*)

Grade Levels: 9-12

Applied Basic Skills Development is a multidisciplinary course that provides students continuing opportunities to develop basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note taking, (7) study and organizational skills, and (8) problem-solving skills, (9) employability skills, which are essential for high school achievement and post-secondary outcomes. Determination of the skills to be emphasized in this course is based on Indiana's standards and Content Connectors, individual school corporation general curriculum plans, and the student's Individualized Education Programs (IEP) or other individualized plans. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations and may be applied using instructional practices related to community based instruction.

HOOSIER HILLS CAREER CENTER

PROGRAM DESCRIPTIONS

The program descriptions that follow give very brief details about the programs available at the Hoosier Hills Career Center. If a student or parent/guardian needs more detail, they should contact the Career Center Office at 330-7730

NOTE: All Career Center courses count as Core 40 directed electives as part of a technical area and as Academic and Technical Honors Diploma electives.

Students may be permitted to attend Hoosier Hills during grades 11 and/or 12.

Students must submit an application and be approved to attend.

Students must attend for the full school year.

All Hoosier Hills courses count as Directed Electives.

AGRICULTURE / HORTICULTURE

PRINCIPLES OF AGRICULTURE

Course 7177.HH

Dual Credit: Ivy Tech AGRI 100, 3 credits

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.

HORTICULTURE SCIENCE

Course 5132.HH

Dual Credit: Ivy Tech AGRI 116, AGRI 117, 6 credits

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

GREENHOUSE AND SOILLESS PRODUCTION

Course 7114.HH

Dual Credit: Ivy Tech AGRI 129, AGRI 175, 6 credits

Greenhouse and Soilless Production is a two-semester course that provides an overview of structural designs

and uses of enclosed structures (greenhouses) to grow various plants and food. The course will focus on discussing different types of enclosed structures, management systems, and growing systems used to produce plants and food. The course will also present an overview of soilless growing systems such as hydroponics, aquaponics, aeroponics and fogponics. Students will utilize the school greenhouse as part of this course.

ANIMAL SCIENCE

Course 5008.HH

Dual Credit: Ivy Tech AGRI 103, 3 credits

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.

AUTOMOTIVE COLLISION REPAIR

YEAR 1

PRINCIPLES OF COLLISION REPAIR

Course 7215.HH

Dual Credit: Ivy Tech AUBR 100, 3 credits

Principles of Collision Repair provides students an overview of the operating, electrical, 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 collision industry. Students will study the basics of collision repair, along with learning to perform basic service and maintenance, including the car's starting and charging system.

AUTOMOTIVE BODY REPAIR

Course 7204.HH

Dual Credit: Ivy Tech AUBR 101, AUBR 125, 6 credits

Automotive Body Repair provides students with an understanding of the materials, measuring, welding, and information resources applicable to collision repair. Students will study steel and aluminum dent repair, including the welding practices commonly performed within an automotive repair environment. Students will gain basic skills and knowledge in oxy-fuel welding, cutting, brazing and plasma cutting, gas metal arc welding, squeeze type resistance welding, exterior panel welding and I-CAR welding test preparation. Students will also learn the installation of moldings, ornaments, and fasteners with emphasis on sheet metal analysis and safety.

PLASTIC BODY REPAIR AND PAINT FUNDAMENTALS

Course 7206.HH

Dual Credit: Ivy Tech AUBR 103, AUBR 220, Vincennes University BODY 290, 9 credits

Plastic Body Repair and Paint Fundamentals introduces the types of fiberglass and plastic materials used in auto body repair and considerations for automotive painting. Students will explore methods for repairing fiberglass and plastic damage, like welding, reinforcing, repairing holes, and retexturing plastic. Students will be asked to demonstrate the proper use of primers and sealers, spraying techniques, and an understanding of various paint finishes.

YEAR 2

AUTOMOTIVE COLLISION REPAIR CAPSTONE

Course 7380.HH

This course further explores important skills and competencies within the Automotive Body Technology Pathway. Topics include Automotive Painting Technology, Collision Damage Appraising, and Fiberglass Plastic Repair. Additionally, Co-Op and Internship opportunities will be available for students.

AUTOMOTIVE SERVICES

YEAR 1

PRINCIPLES OF AUTOMOTIVE SERVICES

Course 7213.HH

Dual Credit: Ivy Tech AUTI 100, AUTI 111, 6 credits

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.

BRAKE SYSTEMS

Course 7205.HH

Dual Credit: Ivy Tech AUTI 121, 3 credits

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.

STEERING AND SUSPENSIONS

Course 7212.HH

Dual Credit: Ivy Tech AUTI 122, AUTI 131, AUTI 145, 9 credits

This course will study driveline theory and in-car service procedures. Theory and overhaul procedures related to the driveshaft and axle assemblies for front and rear wheel drive vehicles are included as well. Additionally, this course teaches theory, service and repair of automotive steering and suspension systems. It provides an overview of various mechanical, power, and electrical steering and suspension systems used on today's automobiles and will emphasize professional diagnosis and repair methods for steering and suspension systems.

YEAR 2

AUTOMOTIVE SERVICES CAPSTONE

Course 7375.HH

Dual Credit: Ivy Tech AUTI 112, AUTI 132, AUTI 141, AUTI 142, 12 credits

This course further explores important skills and competencies within the Automotive Service Technology Pathway. Topics include Steering & Suspension, Engine Repair, Climate Control, and Driveline Service. Additionally, Co-Op and Internship opportunities will be available for students.

CONSTRUCTION TRADES—CARPENTRY

YEAR 1

PRINCIPLES OF CONSTRUCTION TRADES

Course 7130.HH

Dual Credit: Vincennes University CNST 100, CNST 120, 4 credits

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.

CONSTRUCTION TRADES: GENERAL CARPENTRY

Course 7123.HH

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.

CONSTRUCTION TRADES: FINISHING AND FRAMING

Course 7122.HH

Construction Trades: Framing and Finishing prepares students with advanced framing skills along with interior and exterior finishing techniques. Topics include roofing applications, thermal and moisture protection, exterior finishing, cold-formed steel framing, drywall installation and finishing, doors and door hardware, suspended ceilings, window, door, floor, and ceiling trim, and cabinet installation.

YEAR 2

CONSTRUCTION TRADES CAPSTONE

Course 7242.HH

The *Construction Trades Capstone* course covers the basics of electricity and working with concrete. Electrical topics include the National Electric Code, electrical safety, electrical circuits, basic electrical construction drawings, and residential electrical services. Students may also gain an understanding of concrete properties,

foundations, slab-on-grades, and vertical and horizontal formwork. The course prepares students for the NCCER Carpentry Forms Level 3 and Electrical Level 1 certificates.

CULINARY ARTS

YEAR 1

PRINCIPLES OF CULINARY AND HOSPITALITY

Course 7173.HH

Dual Credit: Ivy Tech HOSP 101, HOSP 102, 6 credits

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. This course 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.

NUTRITION

Course 7171.HH

Dual Credit: Ivy Tech HOSP 104, 3 credits

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 learn how 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

CULINARY ARTS

Course 7169.HH

Dual Credit: Ivy Tech HOSP 103, HOSP 1505, 6 credits

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

YEAR 2

CULINARY ARTS CAPSTONE

Course 7233.HH

Dual Credit: Ivy Tech HOSP 108, 3 credits

This course covers the techniques and skills needed in breakfast cookery as well as insight into the pantry department. Various methods of preparation of eggs, pancakes, waffles and cereals will be discussed.

Students will receive instruction in salad preparation, salad dressing, hot and cold sandwich preparation, garnishes and appetizers. This course also covers the necessary skills for proper recruiting, staffing, training, and management of employees at various levels. The course will help prepare the student for the transition from employee to supervisor. Additionally, it will help the student evaluate styles of leadership, and develop skills in human relations and personnel management.

EDUCATION CAREERS

YEAR 1

PRINCIPLES OF TEACHING

Course 7161.HH

Dual Credit: Ivy Tech EDUC 101, 3 credits

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

CHILD AND ADOLESCENT DEVELOPMENT

Course 7157.HH

Dual Credit: Ivy Tech EDUC 121, 3 credits

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.

TEACHING AND LEARNING

Course 7162.HH

Dual Credit: Ivy Tech EDUC 201, 3 credits

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.

YEAR 2

EDUCATION PROFESSIONS CAPSTONE

Course 7267.HH

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 the 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.

EMERGENCY MEDICAL SERVICES

YEAR 1

PRINCIPLES OF HEALTHCARE

Course 7168.HH

Dual Credit: Ivy Tech HLHS 100, HLHS 104, 3.5 credits

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.

MEDICAL TERMINOLOGY

Course 5274.HH

Dual Credit: Ivy Tech HLHS 101, HLHS 102, 6 credits

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.

EMERGENCY MEDICAL TECHNICIAN

Course 7165.HH

Dual Credit: Ivy Tech PARM 102, 7.5 credits

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.

ENGINEERING/ARCHITECTURE

YEAR 1

PRINCIPLES OF ENGINEERING

Course 5644.HH

Dual Credit: Ivy Tech DESN 104, 3 credits

Principles of Engineering is a course that focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and production systems in developing and presenting solutions to engineering problems.

CIVIL ENGINEERING AND ARCHITECTURE

Course 5650.HH

Dual Credit: Ivy Tech DESN 105, 3 credits

Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resources, and environmental issues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design.

MECHANICAL ARCHITECTURE AND DESIGN

Course 7196.HH

Dual Credit: Ivy Tech HLHS 100, HLHS 104, 3.5 credits

Mechanical and Architectural Design provides students with a basic understanding of creating working drawings related to manufacturing detailing and assembly as well as a survey of architectural design focused on the creative design of buildings. Topics include fastening devices, thread symbols and nomenclature, surface texture symbols, classes of fits, and the use of parts lists, title blocks and revision blocks. From an architecture perspective, this course covers problems of site analysis, facilities programming, space planning, conceptual design, proper use of materials, and selection of structure and construction techniques.

YEAR 2

ENGINEERING DESIGN AND DEVELOPMENT

Course 5698.HH

Engineering Design and Development is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problem. The team and/or individual(s) communicates their solution to a panel of stakeholders at the conclusion of the course.

As the capstone course in the Engineering Pathway, EDD engages students in critical thinking, problem-solving, time management, and teamwork skills.

FIRE AND RESCUE

YEAR 1

PRINCIPLES OF FIRE AND RESCUE

Course 7195.HH

Dual Credit: Ivy Tech HSPS 102, HLHS 104, HSPS 106, HSPS 120, 9.5 credits

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.

FIRE FIGHTING FUNDAMENTALS

Course 7189.HH

Dual Credit: Ivy Tech HSPS 122, HSPS 165, 6 credits

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.

ADVANCED FIRE FIGHTING

Course 7186.HH

Dual Credit: Ivy Tech HSPS 167, 3 credits

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.

YEAR 2

FIRE AND RESCUE CAPSTONE

Course 7229.HH

Dual Credit: Ivy Tech HSPS 125, 3 credits

Fire and Rescue Capstone will prepare students to earn the EMT certification.

HEALTHCARE / PRE-NURSING

YEAR 1

PRINCIPLES OF HEALTHCARE

Course 7168.HH

Dual Credit: Ivy Tech HLHS 100, HLHS 104, 3.5 credits

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.

MEDICAL TERMINOLOGY

Course 5274.HH

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.

HEALTHCARE SPECIALIST: CNA

Course 7166.HH

Dual Credit: Ivy Tech HLHS 113, 3 credits

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.

YEAR 2

HEALTHCARE SPECIALIST CAPSTONE

Course 7255.HH

Recommended previous coursework: Biology and have at least a C average in academic subjects or successful completion of the competencies in Health Science/Pre-Nursing Year 1 with instructor recommendation.

The *Capstone* course will provide Healthcare students with the opportunity to acquire additional knowledge and skills necessary to work in a variety of health care settings beyond a long term care facility, including hospitals, doctor's offices, and clinics. Students can accomplish this goal by completing coursework that will cover topics such as Medical Law and Ethics, Electronic Health Records, and/or Behavioral Health. Schools may offer additional healthcare certifications such as the Certified Clinical Medical Assistant or Phlebotomy along with the coursework or in place of the coursework.

WELDING

YEAR 1

PRINCIPLES OF WELDING TECHNOLOGY

Course 7110.HH

Dual Credit: Ivy Tech WELD 100, 3 credits

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

Course 7111.HH

Dual Credit: Ivy Tech WELD 108 WELD 206, 6 credits

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

Course 7101.HH

Dual Credit: Ivy Tech WELD 207, WELD 272, 6 credits

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, fluxcore, 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.

YEAR 2

WELDING TECHNOLOGY CAPSTONE

Course 7226.HH

Dual Credit: Ivy Tech WELD 100, 3 credits

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.