

Mooreville

High School

2019-2020

Curriculum Guide



The *Curriculum Guide* is designed to help parents and students understand the many opportunities available at Mooreville High School and how to integrate selected classes into planning for the future. High school gives students an opportunity to explore different areas of coursework and determine where their interests lay.

It is the responsibility of the student and parents to ensure that the student completes all necessary coursework for high school graduation and meets minimum post-secondary requirements.

Please contact the School Counseling Department with any questions about scheduling, post-secondary school information, financial aid, or other areas covered in this booklet.

Table of Contents

COURSE & CREDIT REQUIREMENTS	3
GRADUATION PATHWAYS	4
HIGH SCHOOL GRADUATION PLAN	8
GENERAL ACADEMIC INFORMATION	9
NCAA ELIGIBILITY CENTER REFERENCE GUIDE	12
NAIA ELIGIBILITY CHECKLIST	13
COURSE FLOWCHARTS & DESCRIPTIONS	
AGRICULTURAL EDUCATION	15
BUSINESS & INFORMATION TECHNOLOGY	18
CAREER AND TECHNICAL EDUCATION (CTE)	22
FAMILY AND CONSUMER SCIENCES	28
HEALTH AND PHYSICAL EDUCATION	30
LANGUAGE ARTS	34
MATHEMATICS	43
PERFORMING ARTS	48
SCIENCE	52
SOCIAL STUDIES	56
VISUAL ARTS	61
WORLD LANGUAGE	65

^Signifies dual credit course is on the required priority list of courses that can satisfy AHD requirements

+Colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements

* Course does not meet NCAA Eligibility Center academic requirements

CORE40 with Academic Honors (minimum 47 credits)

For the **Core 40 with Academic Honors diploma (AHD)**, students must:

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following:
 - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
 - B. Earn 6 verifiable transcribed college credits in dual credit courses from the approved dual credit list.
 - C. Earn two of the following:
 1. A minimum of 3 verifiable transcribed college credits from the approved dual credit list,
 2. 2 credits in AP courses and corresponding AP exams,
 3. 2 credits in IB standard level courses and corresponding IB exams.
 - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.**
 - E. Earn an ACT composite score of 26 or higher and complete written section
 - F. Earn 4 credits in IB courses and take corresponding IB exams.

CORE40 with Technical Honors (minimum 47 credits)

For the **Core 40 with Technical Honors (TH)** diploma, students must:

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
 1. Pathway designated industry-based certification or credential, or
 2. Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits
- Earn a grade of “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following,
 - A. Any one of the options (A - F) of the Core 40 with Academic Honors
 - B. Earn the following scores or higher on WorkKeys; Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information-Level 5.
 - C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
 - D. Earn the following minimum score(s) on Compass; Algebra 66, Writing 70, Reading 80

Course and Credit Requirements

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

40 Total State Credits Required

Schools may have additional local graduation requirements that apply to all students

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

GRADUATION PATHWAYS PANEL

(Updated 11/16/2018)

The purpose for this Panel is to establish graduation pathway recommendations for the State Board of Education that create an educated and talented workforce able not just to meet the needs of business and higher education, but able to succeed in all postsecondary endeavors. To account for the rapidly changing, global economy, every K-12 student needs to be given the tools to succeed in some form of quality postsecondary education and training, including an industry recognized certificate program, an associate's degree program, or a bachelor's degree program.

These recommendations seek to ensure that every Hoosier student graduates from high school with 1) a broad **awareness** of and **engagement** with individual career interests and associated career options, 2) a strong foundation of **academic** and **technical skills**, and 3) **demonstrable employability skills** that lead directly to meaningful opportunities for postsecondary education, training, and gainful employment.

Students in the graduating class of 2023 must satisfy all three of the following Graduation Pathway Requirements by completing one of the associated Pathway Options:

Graduation Requirements	Graduation Pathway Options
1) High School Diploma	Meet the statutorily defined diploma credit and curricular requirements.
2) Learn and Demonstrate Employability Skills¹ (Students must complete <u>at least one</u> of the following.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by <u>one</u> the following: <ul style="list-style-type: none"> • Project-Based Learning Experience; OR • Service-Based Learning Experience; OR • Work-Based Learning Experience.²
3) Postsecondary-Ready Competencies³ (Students must complete <u>at least one</u> of the following.)	<ul style="list-style-type: none"> • Honors Diploma: Fulfill all requirements of either the Academic or Technical Honors diploma; OR • ACT: College-ready benchmarks; OR • SAT: College-ready benchmarks; OR • ASVAB: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR • State- and Industry-recognized Credential or Certification; OR • Federally-recognized Apprenticeship; OR • Career-Technical Education Concentrator⁴: Must earn a <u>C average</u> in at least two non-duplicative advanced courses (courses beyond an introductory course) within a particular program or program of study; OR • AP/IB/Dual Credit/Cambridge International courses⁵ or CLEP Exams: Must earn a <u>C average</u> or higher in at least three courses; OR • Locally created pathway that meets the framework from and earns the approval of the State Board of Education.

Postsecondary-Ready Competencies Pathways

Students in the classes of 2019-2022 must earn a C average or higher in at least 6 high school credits in a career sequence. Students in the class of 2023 must earn a C average in at least 2 non-duplicative courses beyond an introductory course within a particular program of study. Classes are full year unless otherwise notated.

CTE Pathway	MHS Courses	Potential Career Fields
Advanced Manufacturing	Introduction to Adv. Manufacturing and Logistics Advanced Manufacturing I PLTW Principles of Engineering	Manufacturer, Production Manager, Logistics Coordinator, Warehouse Supervisor, Transportation
Agriculture	Introduction to Ag, Food, and Natural Resources Animal Sciences Plant and Soil Science Natural Resources Advanced Life Science: Animals	Agribusiness, Natural Resource Officer, Veterinarian, Landscaping, Food Scientist, Zookeeper, Researcher
Biomedical/ Biotechnology	Nutrition & Wellness (1 sem) PLTW Principles of Biomedical Sciences PLTW Human Body Systems PLTW Medical Interventions	Doctor, Nurse, Forensic Scientist, Optometrist, Medical Technologist, Physician Assistant, Research Scientist
Business: Accounting, Entrepreneurship, or Marketing Focus	Introduction to Business (1 sem) Digital Applications (1 sem) Principles of Marketing Principles of Business Management (1 sem) Business Law & Ethics (1 sem) Sports & Entertainment Marketing (1 sem) Entrepreneurship Accounting Advanced Accounting	Business Owner, Salesperson, Advertiser, Management, Accounting, Desktop Publishing, Research & Development, Insurance, Corporate Law, Self-Employed, Clerical, Imports/Exports, International Business
Computer Science & Programming	Digital Applications & Responsibility (1 sem) Computer Science I Computer Science II Computer Science III: Cybersecurity (coming 20-21)	Programmer, Game Designer, Web Developer, Cybersecurity Analyst, Software Developer
Construction	Introduction to Construction Construction Trades I Construction Trades II	Construction Manager, Carpenter, Plumber, Electrician, HVAC, Heavy Equipment Operator
Education Careers	Child Development (1 sem) Interpersonal Relationships (1 sem) Education Profession I	Teacher/Trainer, Counselor, Childcare, Clergy, Psychology
Engineering	PLTW Introduction to Engineering PLTW Principles of Engineering PLTW Civil Engineering & Architecture PLTW Aerospace Engineering Computer Science I	Mechanical Engineer, Architect, Civil Engineer, Aerospace Engineer, Biomedical Engineer, Automotive Engineer, Computer Engineer

<p>Health Career Specialties: Physical Therapy</p>	<p>Child Development (1 sem) Human Development (1 sem) Interpersonal Relationships (1 sem) Nutrition & Wellness (1 sem) Medical Terminology (1 sem) Health Science II: Physical Therapy</p>	<p>Physical Therapist, Athletic Trainer, Sports Medicine, Nutritionist, Dietician,</p>
<p>Human & Social Services</p>	<p>Adult Roles & Responsibilities (1 sem) Child Development (1 sem) Human Development (1 sem) Interpersonal Relationships (1 sem) Introduction to Business (1 sem) Nutrition & Wellness (1 sem) Advanced Nutrition & Wellness (1 sem) Human & Social Services I</p>	<p>Social Work, Counseling Healthcare, Mental Health, Consumer Services, Psychology, Education, Clergy, Research</p>
<p>Area 31 Pathways</p>	<ul style="list-style-type: none"> • Advanced Manufacturing (2 year) • Automotive Service Technology (2 year) • Aviation Flight and Operations Technology (1 year) • Aviation Maintenance Technology (1 year) • Collision Repair Technology (2 year) • Construction Trades (2 year) • Cosmetology (2 year) • Criminal Justice (1 year) • Culinary Arts (2 year) • Dental Careers (1 year) • Early Childhood Education (2 year) • Fire and Rescue/Emergency Medical Services (2 year) • Graphic Image Technology (2 year) • Health Science Education (2 year) • Heating and Air: HVAC (2 year) • Horticulture & Landscape Management (2 year) • Medical Assisting (1 year) • Networking and Computer Tech (1 year) • Pharmacy Tech (1 year) • Precision Machining (2 year) • Radio Broadcasting (2 year) • Supply Chain Management/Logistics (1 year) • Television Broadcasting (2 year) 	

AP/Dual Credit Course Pathway

Students must earn a C average or higher in at least 3 courses including at least 1 core-content course in the Core Transfer Library. (Core-content courses are designated with a * below.)

Agriculture:

Animal Science
Plant & Soil Science
Advanced Life Science: Animal

Business:

Intro to Accounting

Tech Ed/Engineering:

Civil Engineering & Architecture
Intro to Engineering Design
Principles of Engineering

Family & Consumer Sciences:

Education Professions: Cadet Teaching

English/Language Arts:

*Adv. English: W131/L202
*Adv. English: ENGL 111/ENGL 215
*AP Language & Composition
*AP Literature & Composition

Math:

*Finite Math: M118
*AP Calculus
*AP Statistics

Performing Arts:

AP Music Theory

Science:

*AP Biology
*AP Chemistry
*AP Environmental Science
*AP Physics

Social Studies:

*American Studies: H105/H106
*Adv. Government: POLS 101
*AP Psychology
*AP World History

Visual Arts:

AP Studio Art

World Languages:

AP Spanish IV

Four-Year High School Plan:

List the high school courses you plan to take. Request the help of your school counselor to ensure you take the right classes to graduate from high school prepared for college and careers.

9th Grade

1 st Semester	Course Title	Credits
English A		1
Math A		1
Science A		1
US History A		1
PE (Grade 8?)		1
Elective/Pathway		
Elective		
-	Total Credits	

2 nd Semester	Course Title	Credits
English B		1
Math B		1
Science B		1
US History B		1
Health (Grade 8?)		1
Elective/Pathway		
Elective		
-	Total Credits	

10th Grade

1 st Semester	Course Title	Credits
English A		1
Math A		1
World History A		1
Science A		1
Elective/Pathway		
Elective		
Elective		
-	Total Credits	

2 nd Semester	Course Title	Credits
English B		1
Math B		1
World History B		1
Science B		1
Elective/Pathway		
Elective		
Elective		
-	Total Credits	

11th Grade

1 st Semester	Course Title	Credits
English A		1
Math A		1
Science A		1
Elective/Pathway		
Elective		
Elective		
Elective		
-	Total Credits	

2 nd Semester	Course Title	Credits
English B		1
Math B		1
Science B		1
Elective/Pathway		
Elective		
Elective		
Elective		
-	Total Credits	

12th Grade

1 st Semester	Course Title	Credits
English A		
US Gov <u>OR</u> Econ		
Elective/Pathway		
Elective		
Elective		
Elective		
Elective		
-	Total Credits	

2 nd Semester	Course Title	Credits
English B		
US Gov <u>OR</u> Econ		
Elective/Pathway		
Elective		
Elective		
Elective		
Elective		
-	Total Credits	

Diploma Type (Circle One): Core 40 AHD TH Cumulative Total Credits _____

Note: Please refer to page 3 for Core 40, Academic (AHD) and Technical Honors (TH) diploma requirements.

General Academic Information

Educational planning starts with the selection of courses in the spring of the 8th grade year. Mooresville High School counselors will distribute scheduling information to guide students in course selection each year during the spring semester. All students and their parents should review the information in this guide so that courses selected reflect a plan that will give the student a solid foundation for post-secondary career and college options. The 4-year plan on page 4 should be used as a planning guide to meet all diploma requirements.

Course Scheduling Procedures

Mooresville High School is committed to helping all students schedule courses so that they have every opportunity to take advantage of the academic options within the curriculum. Students and parents are encouraged to review all information concerning course selection in a timely fashion to make the best decisions for the following school year. Teachers and counselors are an excellent source of information concerning course requirements and for recommendations regarding academic options and diplomas. Students and parents should take advantage of these resources when making course decisions.

Students must complete prerequisite courses with a passing grade before attempting the related subsequent courses. Be advised that some courses have co-requisites courses that must be taken in conjunction with the subsequent courses.

If a student is interested in taking a course that is not listed in the *Curriculum Guide*, the student/parent must contact a counselor or administrator to discuss options. If a course is offered at MHS and fits in to the student's schedule, the student must take that course at MHS and not through another educational entity. Any high school course taken through another educational entity will appear on a student's MHS transcript.

Due to the complicated process of scheduling students, changes can rarely be made. Changes to a schedule may occur for the following reasons with administrative approval:

1. The school's need to balance class sizes
2. To make course adjustments due to summer school credit earned
3. Request to take courses to meet diploma requirements
4. Failure of a course required for graduation
5. Meet requirements of a particular college program (seniors)
6. Course request not offered or creates a conflict in the schedule
7. Medical reason with documentation

***Withdrawal from a class may result in a WF (withdrawal failure) or W (withdrawal) on the student's transcript.**

Extracurricular Activities

In order for a student to participate in extracurricular activities, such as sports, music groups and clubs:

- To be eligible to perform, play or travel with any extracurricular, school-related activity, the student must be in good standing. This includes passing at least five classes and being in compliance with the school drug-testing program.
- Students who are not in good standing are considered on probationary status and may continue to practice but not participate in any events.

***Students and their parents share the responsibility for ensuring the student is taking all courses necessary to graduate and to meet extracurricular eligibility requirements.**

Auditing or Retaking Classes

Students, who have earned a grade in a course with a C- or below, may retake the course to earn diploma required credit, to better master its content or to meet minimum grade requirements to qualify for an AHD.

A student seeking to retake a class should make the request to the School Counseling Department, with the principal granting final approval. Upon approval, students who plan to retake the second semester of a two (2) semester class may also retake the first semester on an audit basis (no credit).

The higher grade earned when the class is retaken will be placed on the transcript and replace the original grade in the calculation of the GPA. The original grade will be noted as an audit on the transcript and count as no credit.

Postsecondary Enrollment Program

Mooresville High School will accept credit earned from an accredited public or private college or university located in Indiana according to the guidelines established under the authority of the Indiana State Board of Education rule 511 IAC 6-10. Briefly, those guidelines state that students must make a request to have the credit earned count toward the high school graduation requirements. For specific information and application procedures, parents and students should contact the School Counseling Department.

Grading Scale/Calculation of Grades

MHS calculates grades on a 4-point scale.

A	100.00 -- 93.00	A	4.0
A-	92.99 -- 90.00	A-	3.6
B+	89.99 -- 87.00	B+	3.4
B	86.99 -- 83.00	B	3.0
B-	82.99 -- 80.00	B-	2.6
C+	79.99 -- 77.00	C+	2.4
C	76.99 -- 73.00	C	2.0
C-	72.99 -- 70.00	C-	1.6
D+	69.99 -- 67.00	D+	1.4
D	66.99 -- 63.00	D	1.0
D-	62.99 -- 60.00	D-	0.6
F	59.99 -- 0.00	F	0.0

Weighted Grades

Mooresville High School uses a weighted grading system for all Advanced Placement (AP) and Dual Credit classes offered through our curriculum. Extra weight of .025 is added to the cumulative GPA at the end of each semester to the courses where credit is earned.

Report Cards

Grade reports will be posted in Skyward within the week following the end of each nine-week grading period. Parents are encouraged to review the grades carefully and contact the Teachers with any questions or concerns.

Commencement Exercises

Only those students who have completed all requirements for graduation may participate in commencement exercises. Students who have not earned a passing grade for the semester in all courses required for graduation will not receive a diploma and will not participate in graduation exercises. There are no exceptions.

NCAA ELIGIBILITY CENTER QUICK REFERENCE GUIDE



Divisions I and II Initial-Eligibility Requirements

Core Courses

- **NCAA Divisions I and II require 16 core courses.** See the charts below.
- **Beginning August 1, 2016, NCAA Division I will require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement.**
 - *Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.*

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- **Division II** requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- **Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.**
- **Division I** students enrolling full time before August 1, 2016, should use Sliding Scale A to determine eligibility to receive athletics aid, practice and competition during the first year.
- **Division I** GPA required to receive athletics aid and practice on or after August 1, 2016, is 2.000-2.299 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- **Division I** GPA required to be eligible for competition on or after August 1, 2016, is 2.300 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- **The Division II** core GPA requirement is a minimum of 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

DIVISION I 16 Core Courses

- 4 years of English.
- 3 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II 16 Core Courses

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

Sliding Scale A		
Use for Division I prior to August 1, 2016		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
Verbal and Math ONLY		
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

Sliding Scale B		
Use for Division I beginning August 1, 2016		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
Verbal and Math ONLY		
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

U.S. High School Student Eligibility Checklist

Step 1: Submit your online profile

- Create an account at PlayNAIA.org with a valid email address and pay the registration fee. A confirmation code is sent to your email. If it does not appear in your inbox right away, be sure to check your spam/junk.

Pro-Tip: Register as early as your junior year

REGISTER NOW ➔

- Complete, review and *submit* your online profile. Review your information on the Profile Summary page to make sure it is accurate before clicking "submit." You are required to *submit* your online profile to be placed in line for a decision.

Pro-Tip: Opt-in to texting to receive status updates

Step 2: Send us your HS transcript and test scores

- Send official high school transcripts. Don't get sidelined while waiting on your transcripts to arrive! We need an official transcript sent directly from your graduating high school only. Ask your high school guidance counselor to quickly upload your official transcript through the **NAIA high school portal** or patiently send via the mail. *Eligibility requirements:*

Post-junior year:
3.0 GPA +
Qualifying Test
Score

OR

Mid-senior year:
2.5 GPA +
Qualifying Test
Score

OR

HS Graduates: 2.0
GPA + Class Rank
or Qualifying Test
Score

- Send ACT/SAT scores. Request your official SAT or ACT test scores be sent directly from the testing service using our code:

9876

Step 3: Check your To Do List regularly

- Check your To Do List to monitor your decision progress. You can view your status at any time by logging into PlayNAIA.org to view your custom To Do List.

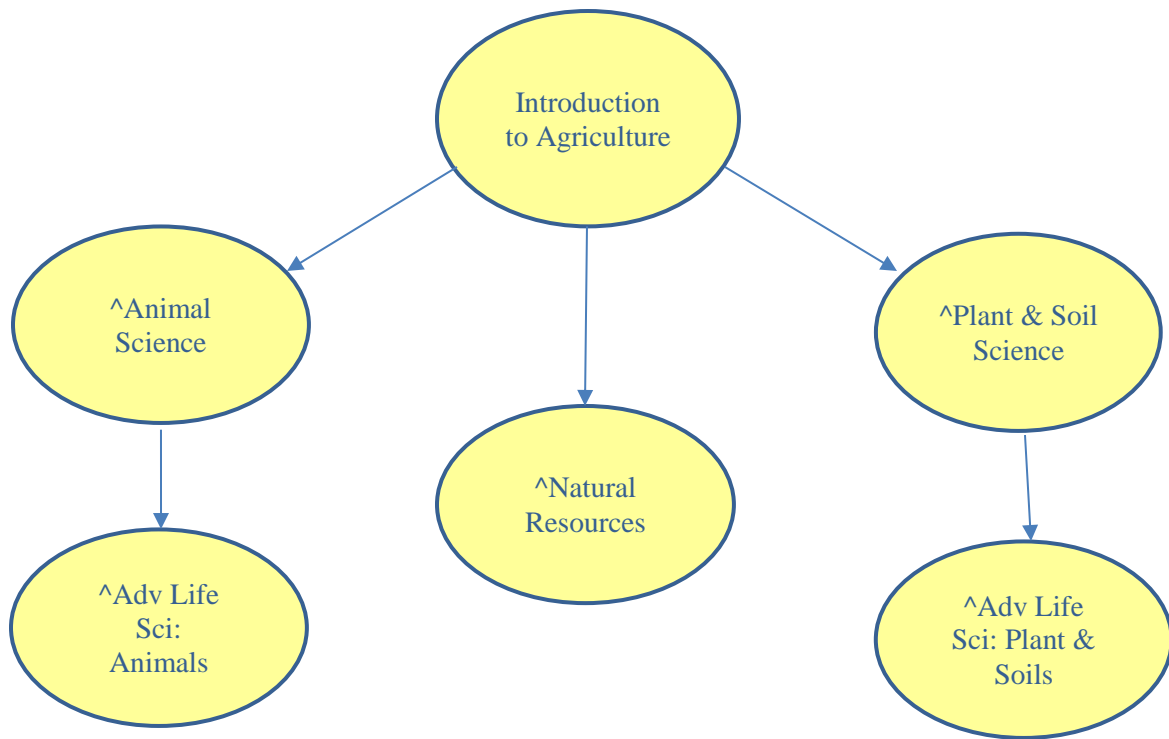
After step 1 and 2 from above are complete, it takes 3 business days for the Eligibility Center staff to compute your cumulative GPA and evaluate if you meet two of the three eligibility requirements (may take longer if you're seeking an early decision – depending on the time of year).

Questions? Our team is available to answer your questions.
Contact us at ECinfo@naia.org or (816) 595-8300

Remember – The Big Three!

- 1.) [Online profile](#) is fully submitted
- 2.) All required, [official records](#) are received
- 3.) Placed on an NAIA school's [Short List](#)

Agricultural Education



^ Signifies dual credit course; can satisfy AHD requirements

Agricultural Education

^ADVANCED LIFE SCIENCE: ANIMALS, COLLEGE CREDIT

(5070 ADV ANML SCI AGRI 107)

- Advanced Life Science: Animals provides students with an opportunity to participate in a variety of activities including laboratory work.
- 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 taxonomy, life at the cellular level, organ systems, genetics, evolution and ecology, historical and current issues in animal agriculture in the area of advanced life science in animals.
- Course may count as a quantitative reasoning course or count as a 3rd year of science credit.

Length of course: 1 year/Ivy Tech AGRI 107 (3 credits)

Grade level: 11-12

Counts toward third year science credit

Prerequisite: Animal Science

Estimated cost: \$50

^ADVANCED LIFE SCIENCE: PLANTS AND SOILS

(5074 ADV PLT SL SCI AGRI 109)

- Advanced Life Science: Plants and Soils provides students with opportunities to participate in a variety of activities which includes laboratory work.
- Students study concepts, principles and theories associated with plants and soils. Students recognize how plants are classified, grown, 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 laboratory and fieldwork, how plants functions and the influence of soil in plant life.

Length of course: 1 year/Ivy Tech AGRI 109 (3 credits)

Grade level: 11-12

Counts toward third year science credit

Prerequisite: Plant & Soil Science

Estimated cost: \$50

^ANIMAL SCIENCE

(5008 ANML SCI AGRI 103)

Animal Science provides students with an overview of the field of animal science. 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.

Length of course: 1 year/ Ivy Tech AGRI 103 (3 credits)

Grade level: 10-12

Prerequisite: Introduction to Agriculture, Natural Resources

Estimated cost: \$50

INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES

(5056 INT AGFNR)

The nature of this course is to provide students with an introduction to the fundamentals of agriculture science and business. Topics to be covered include:

- Animal/plant/soil/food/horticultural science, agricultural business management, landscape management, natural resources, agriculture power, structures and technology, leadership development, supervised agricultural experience, career opportunities in agriculture, food and natural resources

Length of course: 1 year

Grade Levels: 9-12

Prerequisite: none
Estimated cost: \$50

^NATURAL RESOURCES

(5180 NAT RSS AGRI 115)

Natural Resources provides students with a foundation in natural resources. Topics to be covered include:

- Soils, water cycle, air quality, outdoor recreation, forestry, rangelands, wetlands, animal welfare and safety

Length of course: 1 year/Ivy Tech AGRI 115 (3 credits)

Grade level: 10-12

Prerequisite: Introduction to Agriculture

Estimated cost: \$50

Offered in 2020-2021

^PLANT & SOIL SCIENCE

(5170 PLT SL SCI AGRI 105)

Topics to be covered include:

- Plant taxonomy, components and their functions, plant growth, reproduction and propagation, photosynthesis and respiration, environmental factors effecting plant growth, management of plant diseases and pests, biotechnology, 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

Length of course: 1 year/Ivy Tech AGRI 105 (3 credits)

Grade level: 10-12

Prerequisite: Introduction to Agriculture, Food, and Natural Resources

Estimated cost: \$50

SUPERVISED AGRICULTURAL EXPERIENCE (SAE)

(5228 SPVSD AG EXP)

- Provides students with an agricultural experience. Students will apply what is learned in the classroom, laboratory and training site to real-life situations, while working closely with their agricultural and business teachers, parents and/or employers for an optimal SAE program experience.

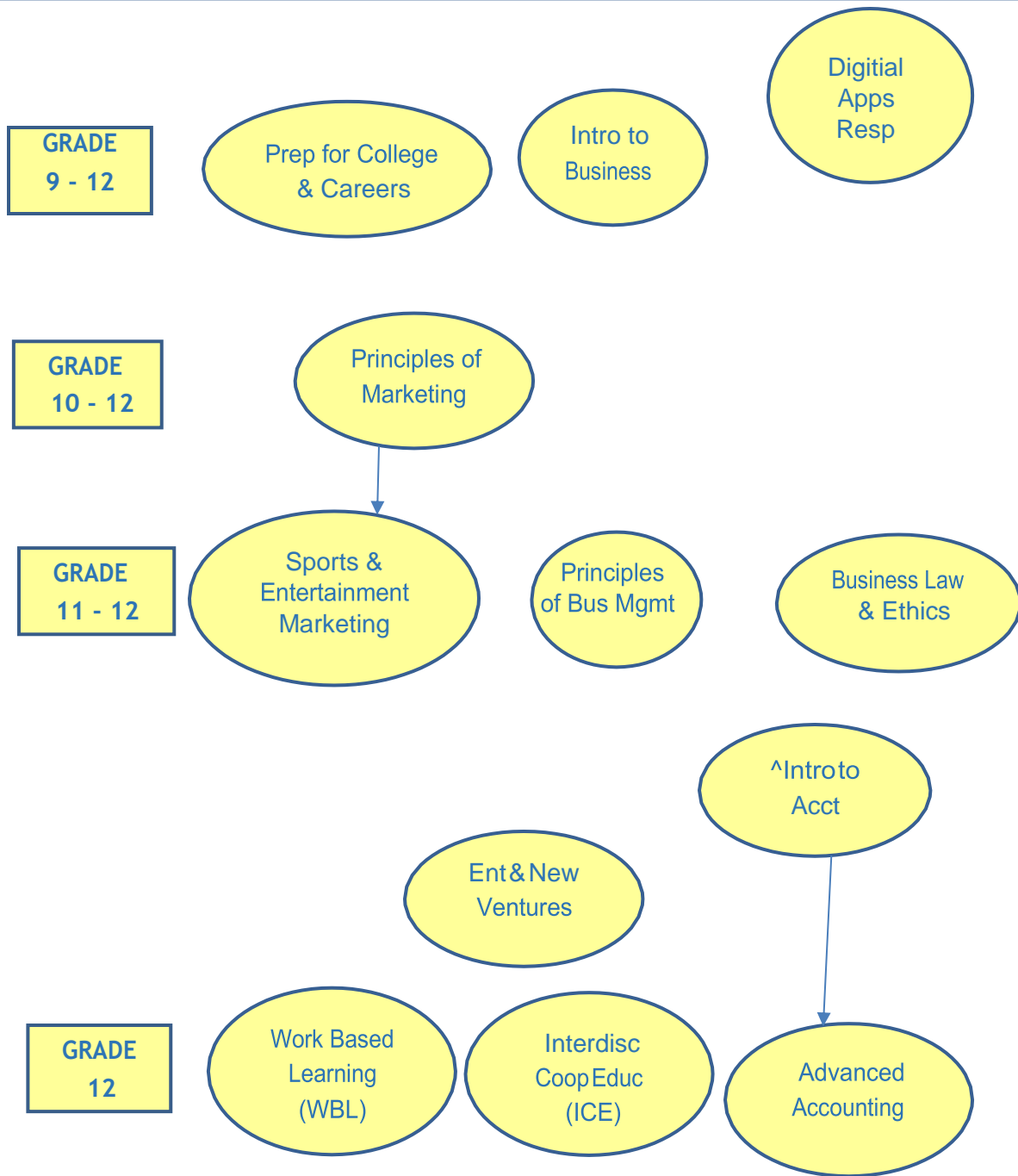
Length of course: summer school only

Grade level: 10-12

Prerequisite: Successful completion of an agriculture class and teacher approval

Estimated cost: \$50

Business



^ Signifies dual credit course is on the required priority list of courses that can satisfy AHD requirements

^ There is a \$75 fee that will be billed from Vincennes University for the dual credit course. All textbook(s) required by Vincennes University.

^ Students that are part of the Free and Reduced Lunch program will have the ability to waive the tuition fee from Vincennes University.

ADVANCED ACCOUNTING

(4522 ADV ACCT)

- Expands upon acceptable Accounting standards and procedures for proprietorships and partnerships using double-entry accounting covered in Introduction to 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.

Length of course: 1 year

Grade level: 12

Prerequisite: Introduction to Accounting

Estimated cost: \$50.00

BUSINESS LAW & ETHICS

(4560 BUS LAW ETH)

- For students interested in the field of law.
- Course provides an overview of the legal system.
- Topics covered: Basics of the Law, Criminal and Civil Law, Contract Law, Employment Law, Personal Law, and Property Law
- Case studies, job shadowing, field trips, guest speakers and Internet projects will be used.
- BPA is the co-curricular organization that is associated with this course.

Length of course: 1 year

Grade level: 11-12 Prerequisite: Digital Apps or Intro to Business starting 2020-2021

Estimated cost: \$17

DIGITAL APPLICATIONS AND RESPONSIBILITY

(4528 DIG APPS RESP)

- This computer course prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life.
- Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly.
- Students should be provided with the opportunity to seek industry-recognized digital literacy certifications.

Grade Level: 9-12

Prerequisites: None

Credits: 1 semester course

Estimated Cost: TBD

ENTREPRENEURSHIP AND NEW VENTURES

(5966 ENT VENT)

- This course is for students interested in owning their own business
- Students will learn the ins and outs of the entrepreneurial process as well as other related topics
- Students will explore the above topics through mini case studies and will use word processing, spreadsheets, and presentation software.
- BPA is the co-curricular organization associated with this course.

Length of Course: 1 year

Grade level: 11-12

Prerequisite: none

Estimated cost: \$17

INTERDISCIPLINARY COOPERATIVE EDUCATION

(5902 ICE)

- Students utilize multiple academic arenas to train for employment.
- Students are required to work a **minimum of 15 hours per week** and also be in the classroom for approximately **five hours per week** for school-based instruction. ICE programs must follow all federal and state laws related to student employment and cooperative education.
- Students will be employed prior to entering course, and will remain employed for the duration of the course; students will provide documentation of employment through **weekly/biweekly paystubs** generated from the company.

- BPA is the co-curricular organization associated with this course
- Employment while in ICE must be related to previously taken CTE course
- Students who have not passed Algebra I and/or English 10 ISTEP will need to stay through 5th period.
Length of course: 1 year/ 3 high school credits a semester/ 3 periods a day every day

Grade level: 12

Prerequisite: must complete an application to be approved and have verifiable employment through pay stubs

Estimated cost: \$13

^INTRODUCTION TO ACCOUNTING, COLLEGE CREDIT
(4524 ACCT CC 100)

- This dual credit course is the equivalent of ACCT 100 at Vincennes University.
- Course introduces the language of business and Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting
- Emphasis is placed on comprehending accounting principles as they related to both manual and automated financial systems
- Involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making
- BPA is the co-curricular organization associated with this course

Length of course: 1 year/3 Vincennes University credits

Grade level: 11-12

Prerequisite: Intro to Business or Digital Applications starting 2021-2022

Estimated cost: \$58. There is a \$75 fee that will be billed from Vincennes University for the dual credit course. All textbook(s) required by Vincennes University.

Please note that textbook assistance is not available for this course.

INTRODUCTION TO BUSINESS
(4518 INTRO BUSS)

- Introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the 21st century on a global scale
- Covers business management, entrepreneurship, marketing fundamentals, and business ethics and law
- Develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments

Length of course: 1 semester (spring only)

Grade level: 9-12

Prerequisite: none

Estimated cost: to be determined

PREPARING FOR COLLEGE AND CAREERS (5394 PREP CC)

- 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.
- 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.

Length of course: 1 semester

Grade level: 9-12

Prerequisite: none

Estimated cost: to be determined

PRINCIPLES OF BUSINESS MANAGEMENT
(4562 BUS MGMT)

- Technical education business course that prepares students to plan, organize, direct, and control functions of a business.
- Opportunity to study and develop attitudes and apply skills and knowledge learned in the course.
- Opportunity to use computers, projects, and simulations for instructional guides.
- BPA is the co-curricular organization that is associated with this course.

Length of course: 1 year

Grade level: 11-12

Prerequisite: none

Estimated cost: \$52

PRINCIPLES OF MARKETING

(5914 PRN MRKT)

- Principles of Marketing is a career and technical education business course which will provide a basic introduction to the scope and importance of marketing locally and global economy.
- This course will include concepts related to business, management, entrepreneurship, communication and interpersonal skills, economics, and professional development.
- This course will provide the student the opportunity to continue studying marketing concepts and apply them to real-life situations. The student will use the textbook, workbook, group activities, projects, presentations, economics, and a computer simulation to understand the impact marketing has upon society and the economy.
- BPA is the co-curricular organization associated with this course.

Length of course: 1 year

Grade level: 10-12

Prerequisite: none

Estimated cost: \$44

SPORTS & ENTERTAINMENT MARKETING

(5984 SPRT ENT MRK)

- For those students interested in the sports and entertainment industry.
- Learn to apply marketing principles such as product, price, place and promotion.
- Project-based course that will allow students to learn how to produce and market activities for athletic and entertainment programs.
- A computer simulation will be used during a portion of this course.
- BPA is the co-curricular organization associated with this course.

Length of course: 1 year

Grade level: 11-12

Prerequisite: none

Estimated cost: \$10

WORK BASED LEARNING

(5974 WBL)

- Students in this course have the opportunity to explore a career of interest.
- Students will apply the concepts, skills, and dispositions learned in previous coursework to real world business and industry settings.
- These students will be **unpaid interns** with a company or elementary school **not owned and operated by a family member**. Time allocations are a minimum of **15 hours per week** of work-based learning to equal at least 540 hours for the entire year.
- Internship in WBL must be related to previously taken CTE course
- An application process will be used to determine who will be admitted in to the program. To be considered for the program, seniors **MAY NOT** be mid-term graduates.
- BPA is the co-curricular organization associated with this course.
- Students who have yet to pass their Algebra I and/or English 10 ISTEP will need to stay through 5th period.

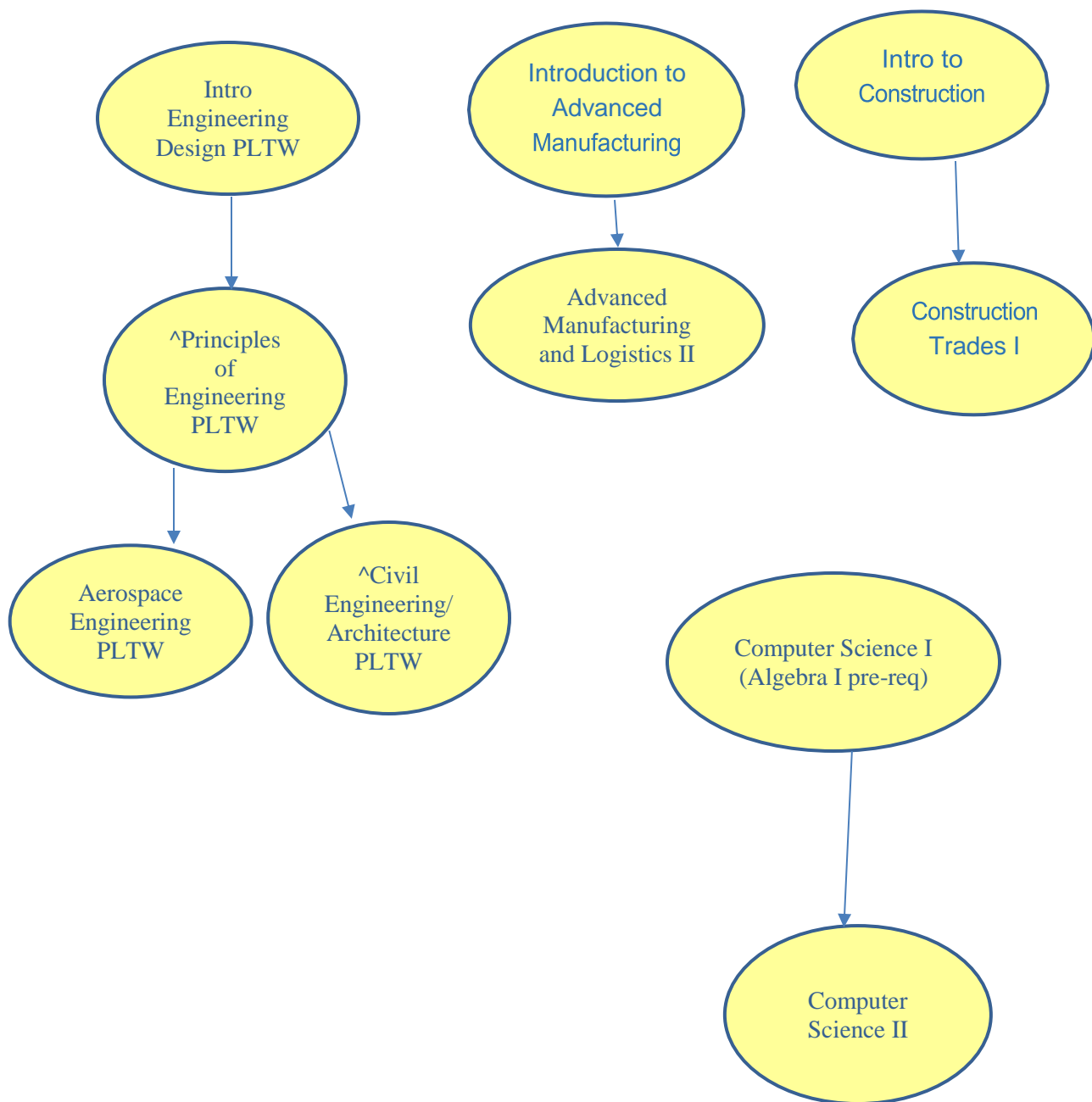
Length of course: 1 year/ 3 high school credits a semester/ 3 periods a day every day

Grade level: 12

Prerequisite: must complete an application to be approved

Estimated cost: \$10

Career and Technical Education (CTE)



^ Signifies dual credit course is on the required priority list of courses that can satisfy AHD requirements

[Click here](#) for a video that explains the Project Lead the Way (PLTW) Engineering Pathway.

ADVANCED MANUFACTURING AND LOGISTICS I

(5608 ADV MFTG I)

- Course includes classroom and laboratory experiences in two broad areas: Industrial Technology/Software Controls and Manufacturing Trends.
- Domains include safety and impact, electricity, manufacturing essentials, fluid power principals, mechanical principals, lean manufacturing, and careers in advanced manufacturing. Hands-on projects and team activities will allow students to apply learning on the latest industry technologies.
- Students take this course with the goal of being a skilled machine operator, repair technician, or working in management at any company that produces goods and services using advanced manufacturing techniques. Work-based learning experiences and industry partnerships are highly encouraged for an authentic industry experience.

Length of course: 1 year

Grade level: 11-12 Prerequisite: Introduction to Advanced Manufacturing

Estimated cost: TBD

AEROSPACE ENGINEERING

(4816 AE PLTW)

- Provides students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems.
- Emphasis includes investigation and research on flight characteristics, analysis of aerodynamic design, and impact of this technology on the environment.
- Instruction provides creative thinking and problem-solving activities using software that allows students to design, test, and evaluate a variety of air and space vehicles, their systems, and launching, guidance and control procedures.

Length of course: 1 year

Grade level: 11-12

Prerequisite: Principles of Engineering

Estimated Cost: TBD

Qualifies as a quantitative reasoning course

^CIVIL ENGINEERING AND ARCHITECTURE (PLTW), COLLEGE CREDIT

(4820 CIVIL ENG PLTW CC)

- This course introduces students to the design and development of architectural and civil engineering activities.
- Application and design will be used with mathematical and scientific knowledge.
- Students will design, simulate, and evaluate the construction of buildings and communities; transportation, logistics, water resource, and environmental issues.

Length of course: 1 year/ 3 Ivy Tech credits

Grade level: 10-12

Prerequisite: Introduction to Engineering Design

Estimated cost: \$55

COMPUTER SCIENCE I

(4801 COMP SCI I)

- Introduces the structured techniques necessary for efficient solution of business-related computer programming logic problems and coding solutions into a high-level language
- The fundamental concepts of programming are provided through explanations and effects of commands and hands-on utilization of lab equipment to produce correct and accurate outputs.
- Topics include program flowcharting and narratives, coding, hierarchy charts, creating file layouts, print charts, user documentation

Length of course: 1 year

Grade level 10-12

Prerequisite: Algebra I

Estimated cost: to be determined

COMPUTER SCIENCE II

(5236 COMP SCI II)

- Explores and builds skills in programming and a basic understanding of the fundamentals of procedural program development using structured, modular concepts.
- Coursework emphasizes logical program design involving user-defined functions and standard structure elements.
- Students will be prepared and permitted to take the AP Computer Science A exam (additional cost \$91)
- Discussions will include the role of data types, variables, structures, addressable memory locations, arrays and pointers, and data file access methods. An emphasis on logical program design using a modular approach, which involves task oriented program functions.
- Qualifies as a quantitative reasoning course

Length of course: 1 year Grade level 11-12

Prerequisite: Computer Science I

Estimated cost: to be determined

CONSTRUCTION TRADES I

(5580 CONST TECH I)

Construction Trades I classroom and laboratory experiences involve the following:

- The formation, installation maintenance and repair of buildings, homes and other structures.
- A history of construction, future trends and career options, reading technical drawings and transforming them into physical structures; students learn the Indiana Residential Code for family dwellings and about Occupational Safety and Health Administration's Safety.

Length of course: 1 year; 3 credits per semester

Grade Level: 11-12

Prerequisite: Introduction to Construction

Estimated cost: \$57

CONSTRUCTION TRADES II

(5578 CONST TRA II)

- Construction Trades II builds on the formation, installation, maintenance, and repair skills learned in Construction Trades I. Information on materials, occupations, and professional organizations within the industry will be covered.
- Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, kitchen cabinets, and baseboard moldings. Students will also develop exterior finishing competencies.
- The course includes instruction on the installation of cornices, windows, doors and various types of sidings currently used in industry. Studies will also focus on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing.

Length of course: 1 year; 3 credits per semester

Grade Level: 11-12

Prerequisite: Construction Trades I

Estimated cost: \$57

INTRODUCTION TO ADVANCED MANUFACTURING AND LOGISTICS

(4796 INT ADV MFTG)

- Course focuses on manufacturing systems, their relationship to society, individuals, and the environment. Students apply using modern manufacturing processes to obtain resources and change them into industrial materials, industrial and consumer products.
- Students study: casting/molding; forming; separating; conditioning; finishing; and assembling. Students learn about business principles that are utilized in today's advanced manufacturing industry.
- Students gain a basic understanding of tooling, electrical skills, operation skills, and inventory

Length of course: 1 year

Grade level: 10-12

Prerequisite: none

Estimated cost: TBD

INTRODUCTION TO CONSTRUCTION

(4792 INT CONST)

- A specialized course that explores the technological processes used to produce residential, commercial, and industrial buildings and a variety of civil structures.
- The course will also provide multiple projects with hands on learning to understand course concepts.

Length of course: 1 year

Grade level: 9-12

Prerequisite: none

Estimated cost: \$50

^INTRODUCTION TO ENGINEERING DESIGN/PLTW, COLLEGE CREDIT

(4812 PLTW CC)

- This Project Lead the Way course develops student problem-solving skills using a design development process; models of product solutions are created analyzed and communicated using solid modeling computer design software.
- Please [click here](#) for an explanatory video.

Length of course: 1 year/3 Ivy Tech credits

Grade level: 9-12

Prerequisite: Algebra I or Advanced 8th Grade Math

Estimated cost: \$60

^PRINCIPLES OF ENGINEERING/PLTW, COLLEGE CREDIT

(4814 PLTW CC)

- Students will understand engineering/technology by exploring various technology systems and manufacturing processes; learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people.
- Please [click here](#) for an explanatory video

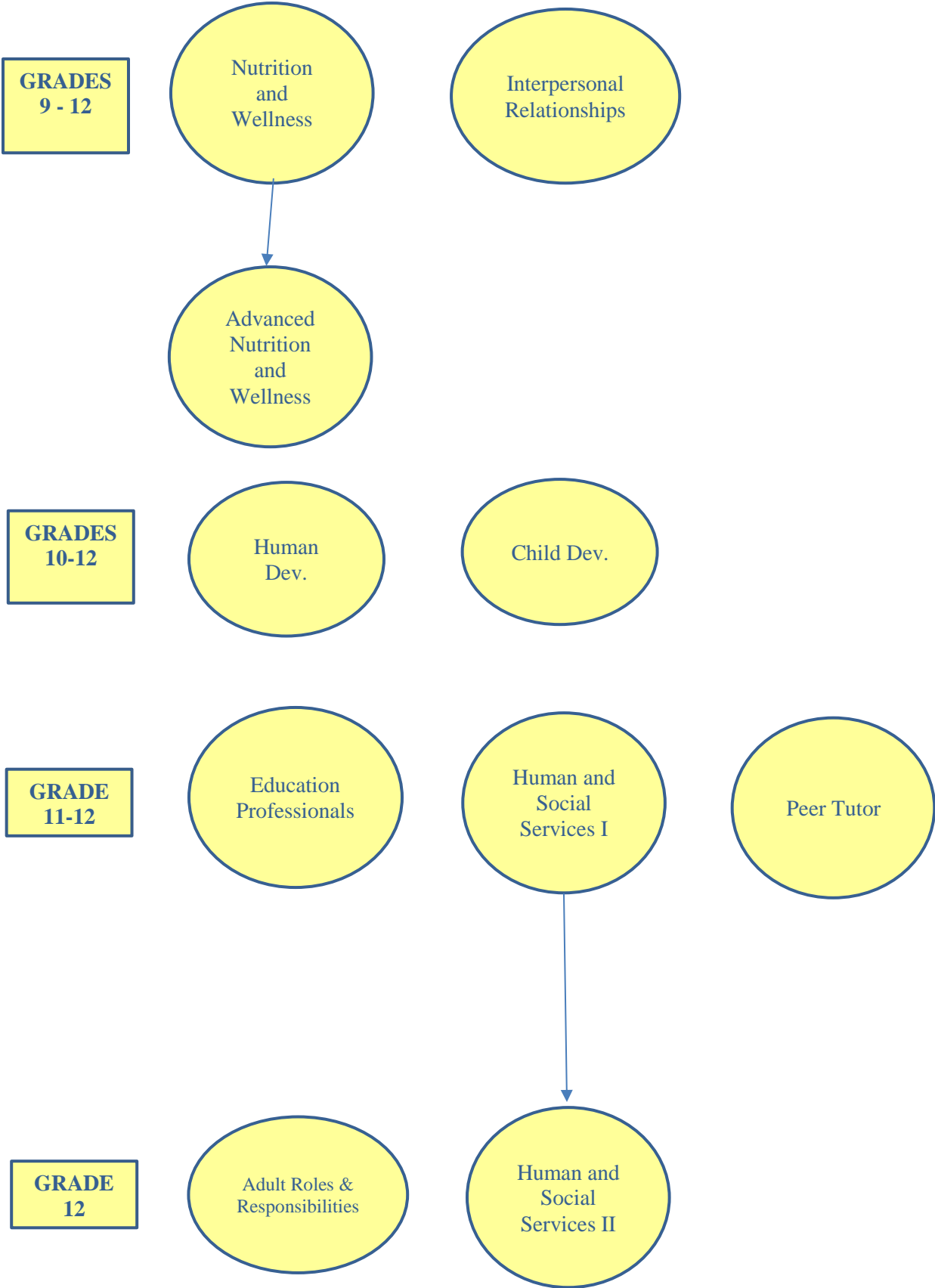
Length of course: 1 year/3 Ivy Tech credits

Grade level: 10-12

Prerequisite: Introduction to Engineering Design

Estimated cost: \$60

Family and Consumer Sciences



Family and Consumer Sciences

ADULT ROLES AND RESPONSIBILITIES

(5330 ADULTROLES)

- Builds knowledge, skills, attitudes, and behaviors necessary for adulthood and independent living.
- Topics include: career planning, financial management, decision making, nutrition, housing, communication skills, and consumer issues.
- Project based learning.

Length of course: 1 semester

Grade level: 12

Prerequisite: none

Estimated cost: \$11

ADVANCED NUTRITION AND WELLNESS

(5340 ADV NTRN WEL)

- This course provides an extensive study of nutrition, recommended for all students wanting to improve their nutrition and learn how nutrition affects the body across the lifespan.
- Appropriate for students interested in careers in the medical field, athletic training and dietetics.
- This is a project-based course; utilizing higher-order thinking, communication, leadership and management processes. Topics include study of major nutrients, nutritional standards across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field.
- Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety and sanitation.

Length of course: 1 semester

Grade level: 10-12

Prerequisite: Nutrition and Wellness

Estimated cost: TBD

CHILD DEVELOPMENT AND PARENTING

(5362 CHLD DEV)

- Addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children.
- Topics include: human sexuality, prenatal development, research-based nurturing and parenting skills, role responsibility as a parent, pregnancy, and prenatal development.
- Project based learning.

Length of course: 1 semester

Grade level: 10-12

Prerequisite: none

Estimated cost: \$11

EDUCATION PROFESSIONS I- CADET TEACHING

(5408 CADET)

This elective course allows for an organizational exploratory experience for students interested in the field of teaching. While a cadet teacher students will gain experience in the following areas of teaching:

- Classroom organization
- Classroom management
- Curriculum and instructional process
- Observations of teaching
- Instructional experiences
- This cadet teaching experience occurs with K-8th grade students at Northwood and Paul Hadley Middle School

Length of course: 1 year (1 class periods per semester, 2 credits possible for year)

Grade level: 11-12

Prerequisite: none

Estimated cost: \$20

Family and Consumer Sciences

HUMAN AND SOCIAL SERVICES I

(5336 HUMN SRVS I)

- An introductory/exploratory course for students interested in careers in human and community services and other helping professions.
- Areas of exploration include family and social services, youth development, and adult and elder care, and other for-profit and non-profit services.
- Research and development, interdisciplinary projects, and/or collaboration with postsecondary faculty, community agencies or organizations, or student organizations are appropriate approaches.
- Students will be introduced to human and social services professions through presentations from a variety of guest speakers, job shadowing, field trips and introductory and exploratory field experiences. Case studies, role play, and application of professional codes of ethics will be utilized reflecting the challenges of working in diverse communities. Service learning experiences are highly recommended.

Length of course: 1 year

Grade level: 11-12 Prerequisite: Nutrition and Wellness, Interpersonal Relationships, Child Development or Human Development

Estimated cost: TBD

HUMAN AND SOCIAL SERVICES II (Beginning in 2020-2021)

(5462 HUMN SRVS I)

- Human and Social Services II is a core component of the Family and Human Services pathway.
- Prepares students for occupations and higher education programs related to assisting individuals and families in meeting their potentials.
- Through work-based experiences, students apply the knowledge and skills developed in the Human Services Foundations course.
- Concentration areas include family and social services, youth development, and adult and elder care. Ethical, legal, and safety issues, as well as helping processes and collaborative ways of working with others, will be addressed. Learning experiences will involve analysis of the influence of culture and socioeconomic factors on individual choices and opportunities, service delivery models, and theoretical perspectives.
- Intensive laboratory/field experiences in one or more human social service agencies are a required component of this course.

Length of course: 1 year

Grade level: 12

Prerequisite: Human and Social Services I

Estimated cost: TBD

HUMAN DEVELOPMENT AND WELLNESS

(5366 HUMAN DEV)

- Examines the development and wellness of individuals throughout the life cycle.
- Topics include: family health and wellness within physical as well as emotional perspectives, impacts of changes and crises, and roles and functions of families and individuals.
- Emphasizes higher order thinking, communication, problem solving and reasoning skills.
- Project based learning.

Length of course: 1 semester

Grade level: 10-12

Prerequisite: none

Estimated cost: \$11

INTERPERSONAL RELATIONS

(5364 INTRP RLT)

- Addresses the knowledge, skills, attitudes, and behaviors relevant to positive, caring, and respectful relationships in family, school, community, and the workplace.
- Topics include: components of healthy relationships, roles and responsibilities in relationships; functions and expectations of various relationships; ethics in relationships; factors that impact relationships establishing and maintaining relationships; building self-esteem and self-image through healthy relationships; communications styles; techniques for effective communication, leadership and teamwork; individual and group goal setting and decision making; preventing and managing stress and conflict; addressing violence and abuse; and related resources, services and agencies.
- Emphasizes higher order thinking, communication, problem solving and reasoning skills.
- Project based learning.

Length of course: 1 semester

Grade level: 9-12

Prerequisite: none

Estimated cost: \$10

NUTRITION AND WELLNESS

(5342 NTRN WLNS)

- Valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness.
- This is a nutrition class that introduces students to only the basics of food preparation, so they can become self-sufficient in accessing healthy and nutritious foods.
- Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness.
- This course is the first in a sequence of courses that provide a foundation for continuing and postsecondary education in all career areas related to nutrition, food, and wellness.

Length of course: 1 semester

Grade level: 9-12

Prerequisite: none

Estimated cost: TBD

PEER TUTORING: LIFE SKILLS

(0520 PEER TUTOR LIFE SKILL)

This course provides a balance of class work relating to:

- Assist student in the Explorers program with in school jobs, implementation of physical and/or occupational therapy, cooking, and other household chores
- Interact with students in the Explorers program who have cognitive, emotional and/or physical disabilities
- Provide positive social peer relationships
- Learn about the challenges, struggles, and joys of working with individuals with disabilities
- Complete a research paper on a disability; complete classroom activities such as write one lesson plan for class and instruct students, plan one 1:1 activity with student in class, design classroom bulletin board, plan and attend field trip with class; write a narrative reviewing peer tutor experiences

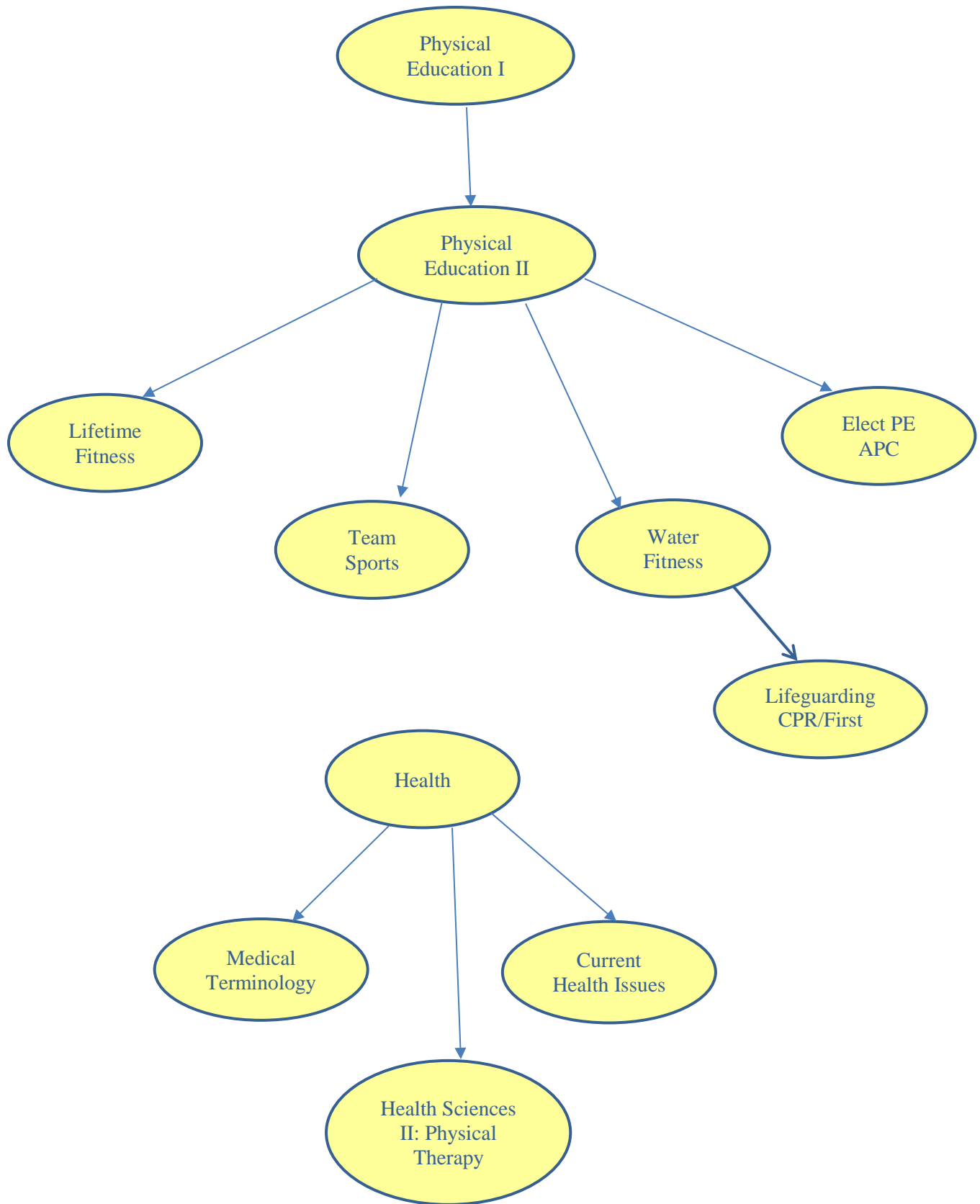
Note: Only a limited number of positions are available.

Length of course: 2 semesters throughout 4 years of high school

Grade Level: 11-12

Prerequisite: Minimum GPA 2.0, two teacher recommendations and interview with special education teacher(s).

Estimated cost: no fee



CURRENT HEALTH ISSUES

(3508 CHI)

- Focuses on specific health issues
- Current health and wellness issues
- Major health issues that impact the function of society

Length of course: 1 semester

Grade level: 10-12

Prerequisite: Health

Estimated cost: no fee

ELECTIVE PHYSICAL EDUCATION – ADVANCED PHYSICAL CONDITIONING

(3560 ELECT PE APC)

- Must be recommended by a varsity athletic coach to take this course.
- Focuses on improving cardio-respiratory endurance, muscular strength and endurance
- Promotes the principles of lifelong fitness & healthy lifestyle
- Organized individual strength plans
- High intensity training with a focus on daily weight lifting
- Course may be offered co-ed
- Sports physical is required
- PE uniform is required

Length of course: 1 semester (students may only take one elective P.E. course per semester)

Grade level: 9-12

Prerequisite: Physical Education I and II, coach recommendation, and sports physical completed

Estimated cost: \$5

ELECTIVE PHYSICAL EDUCATION - LIFEGUARDING/CPR/FIRST AID

(3560LG ELECT PE LG)

- Gives the students a chance for local employment as a certified life guard
- Hands on experience at performing life-saving skills
- Certification will be given for Lifeguarding, CPR and First Aid
- Student must be 15 years old before the class finishes

Length of course: 1 semester (students may only take one elective P.E. course per semester)

Grade level: 9-12

Prerequisite: Physical Education I and II and Water Fitness

Estimated cost: \$45 plus the Lifeguarding certificate

ELECTIVE PHYSICAL EDUCATION – LIFETIME FITNESS

(3560LF ELECT PE LF)

- Focus on maintaining appropriate levels of cardio-respiratory endurance and flexibility necessary for a healthy and productive life
- Study the physical development concepts and principles of sports and exercise
- Encourage individual responsibility for their own health
- May include self-defense, multiple sports, and outdoor activities

Length of course: 1 semester (students may only take one elective P.E. course per semester)

Grade level: 9-12

Prerequisite: Physical Education I and II

Estimated cost: \$5

ELECTIVE PHYSICAL EDUCATION – TEAM SPORTS

(3560TS ELECT PE TS)

- The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life.
- Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas.
- It includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness.
- Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness.

Length of course: 1 semester (students may only take one elective P.E. course per semester)

Grade level: 9-12

Prerequisite: Physical Education I and II

Estimated cost: \$5

ELECTIVE PHYSICAL EDUCATION - WATER FITNESS

(3560WF ELECT PE WF)

- Students will participate in numerous means of water exercise
- Activities include shallow water running ,shallow and deep water exercises

Length of course: 1 semester (students may only take one elective P.E. course per semester)

Grade level: 9-12

Prerequisite: Physical Education I and II

Estimated cost: \$5

HEALTH AND WELLNESS EDUCATION

(3506 HLTH & WELL)

- Students will demonstrate proficiency in 10 areas of health education
- Gain an understanding that health is a lifetime commitment
- Encourage individual responsibility for their own health

Length of course: 1 semester

Grade level: 9-12

Prerequisite: none

Estimated cost: \$10

HEALTH SCIENCES II: PHYSICAL THERAPY

(5215 HLTH SCI II)

- *Health Science Education II: Physical Therapy* is an extended laboratory experience at the student's choice of clinical site designed to provide students the opportunity to assume the role of physical therapy assistant and practice technical skills previously learned in the classroom, including information on the health care system and employment opportunities at a variety of entry levels, an overview of the health care delivery systems, health care teams and legal and ethical considerations.
- It prepares students 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 physical therapists. Students will learn skills specific to physical therapy including: observing patients progress, helping patients do specific exercises, using massage/stretching for treatment, aiding patients with devices for movement, educating patient and families, and basic assisting in cleaning treatment areas and clerical work.
- This course also provides students support to transition from school to work in health-science careers, job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a post-secondary program.

Length of course: 1 year

Grade level: 11-12

Prerequisite: Health and Wellness

Estimated cost: \$13.84

MEDICAL TERMINOLOGY

(5274 MED TERMS)

- Provides students with language skills for health and medical referencing
- Acquire skills to interpret medical records and communications

Length of course: 1 semester (offered 1st semester)

Grade level: 11-12

Prerequisite: none

Estimated cost: \$30

PHYSICAL EDUCATION I

(3542 PHYS ED I)

- Participate in various sports related activities
- Course fulfills 1 semester of graduation required PE

Length of course: 1 semester

Grade level: 9-12

Prerequisite: none

Estimated cost: \$5

PHYSICAL EDUCATION II

(3544 PHYS ED II)

- Participate in various sports related activities
- Course fulfills 1 semester of graduation required PE

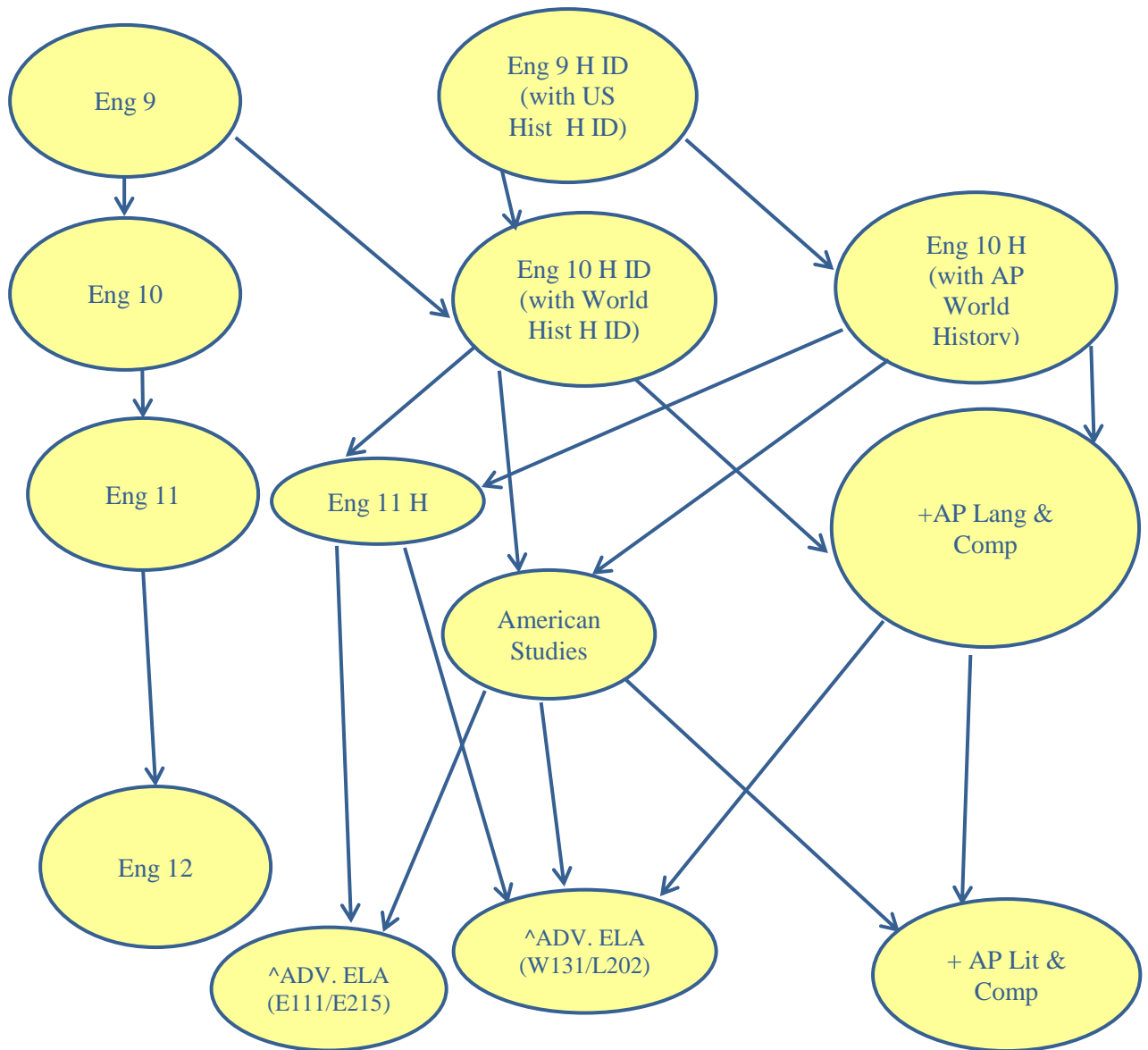
Length of course: 1 semester

Grade level: 9-12

Prerequisite: Physical Education I

Estimated cost: \$5

Language Arts



Electives – Composition, Creative Writing, *Expository Writing, Journalism, Speech, *Film Literature, *Biblical Literature, Novels, Poetry, Short Stories, and Adv. Speech

* Course does not meet NCAA Eligibility Center academic requirements

+Colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements

^ Signifies dual credit course is on the required priority list of courses that can satisfy AHD requirements

Language Arts

^ADVANCED ENGLISH/LANGUAGE ARTS, COLLEGE CREDIT (W131)

(1124AW ADV ENG CC W131)

- This course is the equivalent of W131 at Indiana University and is college level freshman writing.
- Students who take the class agree to pay Indiana University a set fee and will, upon completing the class, receive 3 hours of college credit provided they earn a C or higher.
- There are two required college textbooks that contain challenging non-fiction readings on current topics and issues.
- Students must write six papers – summary, critique, comparative critique, analysis, comparative analysis, and trend analysis. Each paper is of increasing complexity and length, targeting a new skill while incorporating those already introduced.
- Collaboration with the instructor is encouraged to ensure understanding and quality work. This class or its equivalent is transferrable to almost all in and out of state college and universities.

Length of course: 1 semester/ 3 Indiana University credits (offered 1st semester)

Grade level: 12

Estimated cost: \$75 tuition, payable to IU (\$25 per credit hour) and textbook fees. All textbook(s) required by Indiana University will be ordered on your own and must be paid in full before the class starts to be able to take this course.

Prerequisite: A or B in AP Lang & Comp, cumulative GPA of 2.7 or higher, passing score on English 10 ISTEP, and passing score on placement test.

Please note that textbook assistance is not available for this course.

^ADVANCED ENGLISH/LANGUAGE ARTS, COLLEGE CREDIT (L202)

(1124BL ADV ENG CC L202)

- This course is the equivalent of L202 at Indiana University and is a college-level literary interpretation/analysis class.
- Students who take the class agree to pay Indiana University a set fee and will, upon completing the class, receive 3 hours of college credit provided they earn a C or higher.
- There are two required textbooks for the college, one literary anthology and one paperback novel.
- Students must be serious readers as the course readings range from Shakespearean drama and English literature classics to a variety of modern selections of multiple genres.
- Emphasis is placed on interpretation, analysis, synthesis, and scope. Several two-to-three page papers are required throughout the semester as well as three major papers.
- Collaboration with the instructor is encouraged to ensure understanding and quality work. This class or its equivalent is transferrable to almost all in and out of state college and universities.

Length of course: 1 semester/ 3 Indiana University credits (offered 2nd semester)

Grade level: 12

Estimated cost: \$75 tuition, payable to IU, (\$25 per credit hour) and textbook fees. All textbook(s) required by Indiana University will be ordered on your own and must be paid in full before the class starts to be able to take this course.

Prerequisite: C or higher in W131

Please note that textbook assistance is not available for this course.

^ADVANCED ENGLISH/LANGUAGE ARTS, COLLEGE CREDIT (E111)

(1124AE ADV ENG CC E111)

- This course is the equivalent of ENG111 at Ivy Tech
- Study of critical reading and writing
- Develop critical thinking, thought organization, and expression of ideas clearly and effectively
- Expository writing includes: process, description, narration, comparison, cause/effect, and analysis
- Significant focus on argumentation

Length of course: 1 semester/ 3 Ivy Tech credits (offered 1st semester)

Grade level: 12

Estimated cost: to be determined

Prerequisite: AP Lang & Comp. Students enrolled in this course must have passed the English 10 ISTEP and meet the Accuplacer test qualifications established by Ivy Tech.

Please note that textbook assistance is not available for this course.

^ ADVANCED ENGLISH/LANGUAGE ARTS, COLLEGE CREDIT (E112)

(1124BV ADV ENG CC ENGL 215)

- This course is the equivalent of ENGL 215 at Ivy Tech
- A focus on argumentative writing
- Major writing assignments: research proposal, bibliography, critical analysis, literature review, and position paper
- reading and writing intensive course

Length of course: 1 semester/ 3 Ivy Tech credits (offered 2nd semester)

Grade level: 12

Estimated cost: \$23

Prerequisite: C or higher in 11 Honors.

Please note that textbook assistance is not available for this course.

ADVANCED SPEECH COMMUNICATIONS

(1078B ADV SPEECH)

- Advanced Speech continues the skills learned in Speech I. Major emphasis is given to the producing of formal speeches.
- The course focuses on leadership development, listening skills, oral interpretation, research methods, parliamentary procedure, radio and television, theatre arts, and oral debate.
- Students are given the opportunity to express the subject matter knowledge and content through a variety of literary genre related to the course content and speaking experiences.
- Special attention is given to the creating of a complete outline and support, using two or more sources, as well as individual presentation skills.
- Students concentrate on producing speeches that inform, motivate, entertain, persuade through the use of impromptu, extemporaneous, memorized and manuscript delivery.
- Students will utilize technology skills with power point presentations for business/sales speeches.

Length of course: 1 semester (offered 2nd semester)

Grade level: 9-12

Prerequisite: Speech

Estimated cost: no fee

+AP ENGLISH LANGUAGE AND COMPOSITION

(1056 LANG/COMP AP)

The AP English Language and Composition will focus on the following skills:

- Development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts.
- The course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts.
- Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices.
- Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

Length of course: 1 year

Grade Level: 11

Prerequisite: English 9H and English 10H or with teacher recommendation

Estimated cost: \$88 + \$93 AP test (state usually pays AP fees for this course)

+AP ENGLISH LITERATURE AND COMPOSITION

(1058 LIT/COMP AP)

The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure.

- As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone.
- Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary

Length of course: 1 year

Grade Level: 12

Prerequisite: English 11H, American Studies, or with teacher recommendation

Estimated cost: \$93 AP test (state usually pays AP fees for this course) plus additional supplemental materials

***BIBLICAL LITERATURE**

(1022 BIBLE LIT)

- Biblical Literature studies the *Bible*, viewed from a literary standpoint, as a source of an array of literary patterns, themes, and conventions.
- Students examine the different books in relation to the various historical time frames and in relation literature as it pertains to biblical themes.
- Students read, discuss, and write about biblical references in both classical and modern literature, formation of a canonical *Bible*, inclusion of apocryphal and heretical writings, oral versus literate transmission of sacred history and doctrine, and questions and problems of interpretation.

Note: This course does not qualify as a NCAA course for college athletics.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10, and passing score on the English 10 ISTEP

Estimated cost: to be determined

CCR BRIDGE: LITERACY READY

(1014 LIT RDY)

CCR Bridge: Literacy Ready is an innovative, dynamic course built to help students master the literacy skills needed for three core subject areas —English, social science and science. *CCR Bridge: Literacy Ready* consists of six units: two in history, two in English and two in science.

- Content of each of the disciplines is at the forefront of the curriculum, while disciplinary literacy skills are emphasized through reading and writing assignments based on the content.
- Students in this course want to be college bound, but have not met the requirements necessary.
- Length of course: 1 semester

Grade Level: 11-12

Prerequisite: Have not passed the Grade 10 English ISTEP and have scored below a 45 on the PSAT or students who score below proficient on a diagnostic test.

Estimated cost: \$23

COMPOSITION

(1090 COMP)

- Study and application of the rhetorical (effective) writing strategies.
- Students read classic and contemporary literature and use appropriate works as models for writing.
- Students write a variety of types of compositions with a focus on fictional narratives, reflective compositions, academic essays, and responses to literature.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10, and a passing score on the English 10 ISTEP

Estimated cost: to be determined

CREATIVE WRITING

(1092 CREAT WRIT)

- Creative Writing, a course based on Indiana's Academic Standards for English/Language Arts and emphasizing the High School Composition Standards, is a study and application of the rhetorical (effective) writing strategies for prose and poetry.
- Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing.
- Major units include children's writing, short stories, research, and creative poetry.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10, and passing score on English 10 ISTEP

Estimated cost: no fee

ENGLISH 9

(1002 ENG 9)

- Novels, poetry, plays, and short stories are all part of the freshmen curriculum.
- Major works include *Romeo and Juliet*, *Night* and *The Odyssey*. Elements of literature are a part of each section and students learn to identify, discuss, and analyze these elements as they are reading.
- Vocabulary and writing are also focused around themes and elements in the literature they are studying.

Students are given questions that relate to the literature or discussion and respond to it in writing.

- Mastering paragraph writing they are introduced to a five-paragraph essay which will enhance their preparation for the essay component of End of Course Assessments and college entrance exams.
- Classroom discussions and arguments provide a forum for students to learn to voice their opinions and beliefs to others by using evidence and examples to back up their statements. This practice leads to incorporating facts in backing up their opinions in their writing assignments.

Length of course: 1 year

Grade level: 9

Prerequisite: none

Estimated cost: \$22

ENGLISH 9 HONORS - INTERDISCIPLINARY

(1002I ENG 9 HON ID)

- Introduces students to various genres of literature while focusing on the development of grammar, vocabulary, and writing skills
- Students will read short stories, non-fiction, poetry, and plays. Major works include *Romeo and Juliet*, *Night*, *The Odyssey*, and *A Raisin in the Sun*
- Students will create an autobiographical narrative as well as individual poetry books to build writing skills
- An introduction to MLA formatting and writing style will prepare students for higher level English courses at MHS and beyond
- This course will be taken concurrently with US History Honors ID and will focus on a cross-curricular approach to learning US History and English. Students should expect that class activities, projects, writing and reading assignments will focus on both content specific literacy and writing skills.

Length of course: 1 year

Grade level: 9

Prerequisite: A or B in 8th grade Honors Language Arts or A in Language Arts and must have passed English ISTEP

Co-requisite: US History Honors ID

Estimated cost: \$22

ENGLISH 10

(1004 ENG 10)

- Practice reading comprehension strategies for different genres to develop skills encompassing contextual understanding, author's purpose, and literary relevance to today's world.
- Build upon writing skills in order to compose a variety of well-organized responses that utilize proper grammar, spelling, punctuation, and textual support.
- Prepare for standardized testing such as ISTEP 10

Length of course: 1 year

Grade level: 10

Prerequisite: none

Estimated cost: \$22

ENGLISH 10 HONORS

(1004H ENG 10 H)

- Examine various reading and writing strategies and genres in order to formulate reflective, imaginative, and analytical responses that are relevant to today's world.
- Explore new vocabulary to enhance literary comprehension and standard test performance.
- Study various writing approaches and compose focused, well-organized, essays utilizing textual support and proper grammar, spelling, and punctuation.
- This course will be taken concurrently with AP World History.
- Prepare for standardized testing such as ISTEP 10 and AP World History exam.

Length of course: 1 year

Grade level: 10

Prerequisite: A or B in English 9 Honors Interdisciplinary or an A in English 9

Co-requisite: AP World History

Estimated cost: \$22

ENGLISH 10 HONORS - INTERDISCIPLINARY

(1004I ENG 10 HON ID)

- Examine various reading and writing strategies and genres in order to formulate reflective, imaginative, and analytical responses that are relevant to today's world.
- Explore new vocabulary to enhance literary comprehension and standard test performance.

- Study various writing approaches and compose focused, well-organized, essays utilizing textual support and proper grammar, spelling, and punctuation.
- Prepare for standardized testing such as ISTEP 10.
- This course will be taken concurrently with World History Honors ID and will focus on a cross-curricular approach to learning World History and English. Students should expect that class activities, projects, writing and reading assignments will focus on both content specific literacy and writing skills.

Length of course: 1 year

Grade level: 10

Prerequisite: A or B in English 9 Honors ID or an A in English 9

Co-requisite: World History Honors ID

Estimated cost: \$22

ENGLISH 11

(1006 ENG 11)

- English 11 students further develop their use of language within the study of American Literature while focusing on opportunities to select appropriate reading skills and strategies to distinguish elements in literature that make it a reflection of the social, economic, political thinking, or condition of the time; analyze literature as it reflects the point of view of the time; and identify how contemporary writing reflects past tradition and movements of the time.
- The formal study of grammar, usage, spelling, and language mechanics is integrated into the study of reading and writing. Vocabulary is incorporated into schedules weekly.
- Covers material needed to pass the English 10 ISTEP.
- This course will have a college/career readiness component.

Length of course: 1 year

Grade level: 11

Prerequisite: none

Estimated cost: \$23

ENGLISH 11 Honors

(1006H ENG 11 H)

- It is recommended that students taking English 11 at the honors level meet the following conditions: passed the English ISTEP exam, earned an A or B in 10th grade regular English or a C+ or higher in 10th grade Honors, and a recommendation from their 10th grade English teacher
- 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.
- Length of course: 1 year
- Grade level: 11
- Prerequisites: English 9 and English 10 or teacher recommendation
- Estimated cost: \$23

ENGLISH 11 HONORS - AMERICAN STUDIES

(1006AS ENG 11 HON AS)

- American Studies combines English 11 Honors and ACP United States History
- Combining textbook readings with approximately six novels provides a comprehensive basis of authors as active participants in shaping and recording American history.
- Students are also coached in developing their critical thinking skills in order to produce clear, meaningful, college-level analytical writing.
- Since this is an interdisciplinary course, class times are frequently combined for guest speakers, projects, and life experiences that better help students make the connections vital to understanding the complex relationship between theory and practice.
- Vocabulary is an integral part of the course as are writings of varying length and focus.

Length of course: 1 year

Grade level: 11

Prerequisite: A or B in English 10 Honors or A in English 10. Additionally, students must meet all requirements of ACP US History course; have a passing score on English 10 ISTEP.

Co-requisite: ACP US History

Estimated cost: \$88

ENGLISH 12

(1008 ENG 12)

- A study of British literature through the modern era. Major literary works included are *Beowulf*, *Macbeth*,

Toxin, and *Black Like Me*.

- Students will study the historical events related to each of the literary time periods.
- Students will learn to think critically and write analytically about the subject matter.
- Students will complete weekly vocabulary lessons, several written essays, and a research paper.
- Students will develop cover letters, letters of application, and résumés for post-high school pursuits.
- Covers material needed to pass the English 10 ISTEP
- This course will have a college/career readiness component.

Length of course: 1 year

Grade level: 12

Prerequisite: None

Estimated cost: \$23

EXPOSITORY WRITING

(1094 EXP WRTG)

Expository Writing, a course based on *Indiana's Academic Standards for English/ Language Arts*, is a study and application of the various types of informational writing intended for a variety of different audiences. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style.

- **EXPOSITORY WRITING PROJECT:** Students complete a project, such as an extended essay or report explaining the main idea or thesis by using the expository strategies of classification, illustration by example, definition, comparison and contrast, process analysis (descriptions or explanations that provide instructions for the reader), cause and effect, definitions, or some combination of these strategies, which demonstrates knowledge, application, and writing progress in the Expository Writing course content.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10, and passing score on English 10 ISTEP

Estimated cost: to be determined

***FILM LITERATURE**

(1034 FILM LIT)

- Study how literature is adapted for film
- Examine the visual interpretation of literary techniques and auditory language in film
- Analyze how films portray the human condition, gender roles, and ethnic/cultural minorities
- Produce a short-subject film

*This course does not qualify as a NCAA course for college athletics.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10, and passing score on the English 10 ISTEP

Estimated cost: no fee

JOURNALISM

(1080 JRNALISM)

- Journalism is a course based on the Indiana Academic Standards for Journalism.
- Through completion of this course, students learn how to be quality media consumers and media producers. The course includes specific units about news elements, journalism history, First Amendment law and ethics, fact and opinion, news writing, and feature writing.
- Project based learning areas include graphic design, desktop publishing, public relations, advertising, photography, and media convergence. Classroom activities reflect current events and journalistic issues in a variety of forms including discussion, writing, and presentations.

Note: This course counts as elective credit only. This course does not satisfy English/Language Arts diploma requirements.

Length of course: 1 semester

Grade level: 9-12

Prerequisite: None

Estimated cost: \$6.15

NOVELS

(1042 NOVELS)

- A study of the distinct features of the novel, such as narrative and fictional elements of setting, conflict, climax, and resolution, and may be organized by historical periods, themes, or authors.
- Students examine novels of a given period, such as Victorian, the Modern Period, or Contemporary Literature, and what distinguishes novels from short stories, epics, romances, biographies, science fiction,

and others.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10, and a passing score on the English 10 ISTEP

Estimated cost: no fee

POETRY

(1044 POETRY)

- A study of poetic works, the interpretation of poetry, and the variety of structures, devices, and themes that differentiate one type of poetry from another.
- Students examine a wide variety of major poetic works from the English-speaking world and English translations of important works from the non-English-speaking world.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10 and a passing score on the English 10 ISTEP

Estimated cost: no fee

SHORT STORIES

(1046 SHORT STRS)

- A study of the distinct features of the short story, such as being tightly focused narrative fiction.
- Students examine short stories with modernist and contemporary themes by a variety of authors from the perspective of audience, purpose, and historical development.
- Students analyze what distinguishes the short story genre from other literary genres, such as the novel, epic, romance, biography, and others.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: English 9, English 10 and a passing score on the English 10 ISTEP

Estimated cost: no fee

SPEECH

(1076 SPEECH)

- Speech I provides the students with the basic skill to practice effective oral communication.
- This course includes instruction in adapting speech to different audiences and purposes.
- Students have opportunities to make different types of speeches including: informative, demonstrative, persuasive, impromptu, oral interpretation and debate.
- Students are given the opportunity to express subject matter knowledge and content through creative, analytical, and expository writing, as well as reading a variety of literary genre related to course content and speaking assignments.
- This course emphasizes research using technology and careful organization and preparation. As part of the organizational process, students will learn to format typed outlines for each speech.
- Students also practice and develop critical listening skills.

Length of course: 1 semester

Grade level: 9-12

Prerequisite: none

Estimated cost: no fee

STUDENT PUBLICATIONS: BROADCAST

(1086B STDNT PUBS B)

- Produce daily news show
- Gather news and video footage
- Edit material into news packages
- Apply knowledge gained through journalism, speech, media arts, or theatre arts classes

Note: This course counts as elective credit only.

Length of course: 1 year

Grade level: 9-12

Prerequisite: Journalism I, Speech, Media Arts/Photography, or Theatre Arts

Estimated cost: no fee

*Fulfills the Fine Arts requirement for the Core 40 with AHD

STUDENT PUBLICATIONS: NEWSPAPER

(1086N STDNT PUBS N)

- Students who have taken Journalism may apply for the high school newspaper staff (The Pulse). Students will write, design, and take pictures for a student publication that is published bi-weekly and online.
- All aspects of Journalism are included in this practical experience. Goals are to inform and entertain the student body with coverage of school, community, and teenage issues in addition to providing a forum for opinion for the school community as a whole.

Note: This course counts as elective credit only.

Length of course: 1 year

Grade level: 10-12

Prerequisite: Journalism

Estimated cost: no fee

*Fulfills the Fine Arts requirement for the Core 40 with AHD

STUDENT PUBLICATIONS: PUBLIC RELATIONS

(1086PR STDNT PUBS PR)

Following the Indiana Student Publications standards, students will operate a public relations news bureau. Students will:

- Work with contracted clients such as the Athletic department, Performing Arts programs, scholarship news release and MHS positives
- Students will write, edit design and produce products for the Mooresville community

Note: This course counts as elective credit only. This course does not satisfy English/Language Arts diploma requirements

Length of course: 1 year

Grade Level: 11-12

Prerequisite: English 9 and 10; Journalism preferred

Estimated cost: no fee

*Fulfills the Fine Arts requirement for the Core 40 with AHD

STUDENT PUBLICATIONS: YEARBOOK

(1086Y STDNT PUBS Y)

- Students who have taken Journalism I may apply for the high school yearbook staff (Wagon Trails). On the *Wagon Trails*, staff works as a team to publish a credible student publication that is representative of the entire student body.
- Students will create a journalistically-sound yearbook that appeals to the different facets of the student population and challenges and reminds staff members to think of the publication as “everyone’s book.”
- Staff members learn to sell ads, design or adapt layouts, write copy, take photos, manage time while working toward deadlines, and will also be responsible for hosting and mandatory participation in the variety show, “Wagon Trails Revue.”

Note: This course counts as elective credit only.

Length of course: 1 year

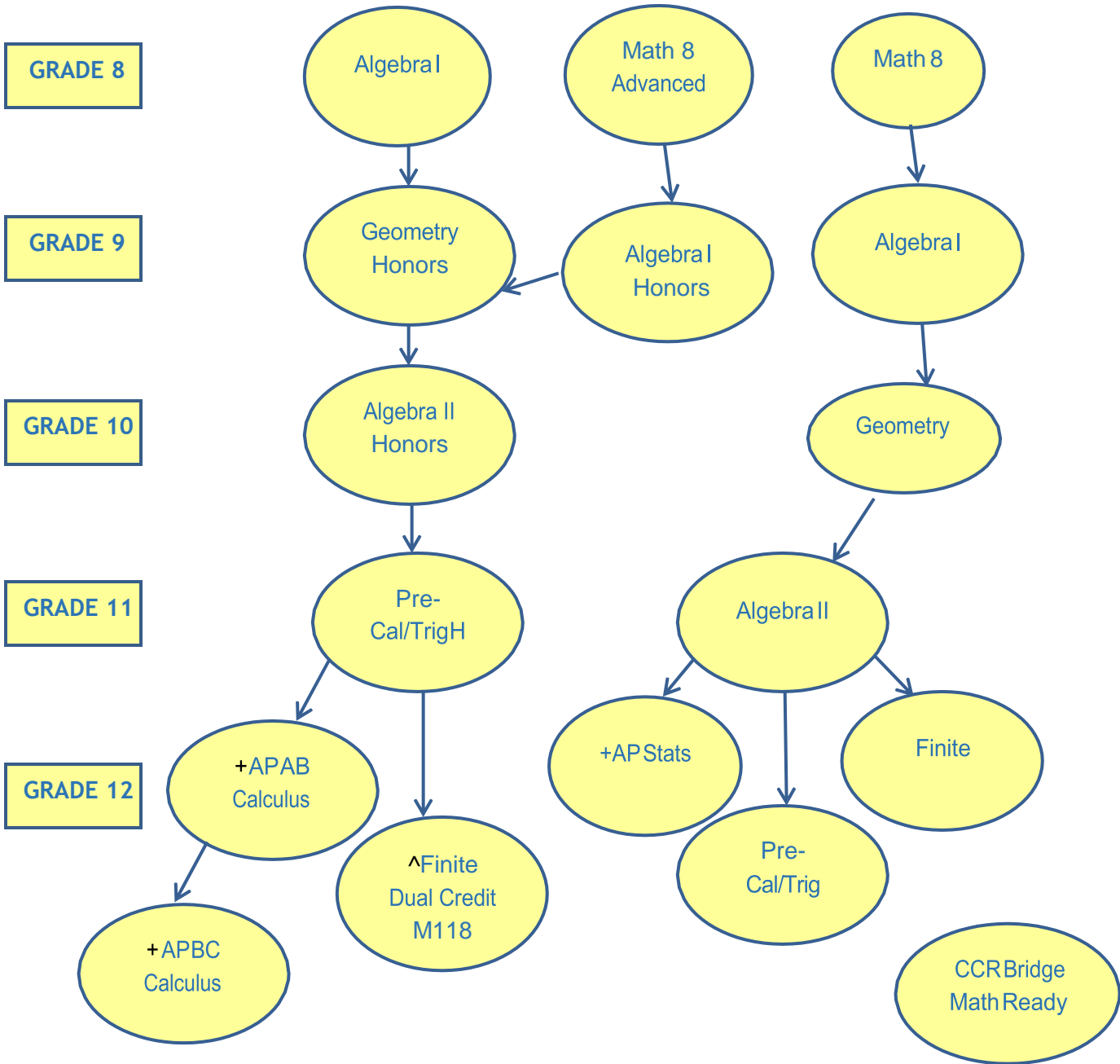
Grade level: 10-12

Prerequisite: Journalism

Estimated cost: no fee

*Fulfills the Fine Arts requirement for the Core 40 with AHD

Mathematics



^ Signifies dual credit course is on the required priority list of courses that can satisfy AHD requirements
 +Colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements

^ADVANCED MATHEMATICS FINITE, COLLEGE CREDIT (M118) **(2544F ADV MTH CC M118)**

- Earn college credit for M118 Finite through Indiana University's Advanced College Project
- Study the concepts of sets, probability, the stochastic process, matrices, linear programming, Markov chains, and applications
- Adhere to the IU syllabus including curriculum and examination guidelines
- Participate in IU's mid-term and final exam for M118 Finite

Length of course: 1 year/ 3 Indiana University credits

Grade level: 11-12

Prerequisite: A or B in Pre-Calculus/Trigonometry or Pre-Calculus/Trigonometry Honors, Cumulative GPA of 2.7 or higher, passing score on the Algebra I ISTEP, and passing score on placement test

Estimated cost: \$26 + \$75 tuition, payable IU (\$25 per credit hour). All textbook(s) required by Indiana University will be ordered through MHS and must be paid in full before the class starts to be able to take this course.

Please note that textbook assistance is not available for this course.

+AP CALCULUS AB **(2562 AP CALC AB)**

- This course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus.
- The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.
- Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Length of course: 1 year

Grade level: 11-12

Prerequisite: A or B in Pre-Calculus/Trigonometry or Pre-Calculus/Trigonometry Honors

Estimated cost: \$26 + \$93 AP Test Fee (Math AP Fees are generally covered by the state for grades 11-12).

+AP CALCULUS BC **(2572 BC CALC AP)**

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses:

- BC Calculus extends the content learned in AP Calculus AB to different types of equations 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*.

Length of course: 1 year

Grade Level: 11-12

Prerequisite: AP Calculus AB

Estimated cost: \$93 AP test (state usually pays AP fees for this course) and any additional costs for resources

+AP STATISTICS

(2570 AP STATS)

- The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.
- Topics include: exploring data, describing patterns and departures from patterns; sampling and experimentation, planning and conducting a study; anticipation patterns, exploring random phenomena using probability and simulation; and statistical inference, estimation population parameters and testing hypotheses.
- The use of graphing calculators and computer software is required, instruction is given on the TI-84 plus.

Length of course: 1 year

Grade level: 11-12

Prerequisite: Algebra II

Estimated cost: \$39.50 + \$93 AP Test Fee (Math AP Fees are generally covered by the state for 11th and 12th grade students)

ALGEBRA I

(2520 ALG I)

- Provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses
- Provides for the use of algebraic skills in a range of problem-solving situations
- Provides skills necessary for success on state-mandated exam
- Introduces computer-based mathematical instruction and assessment

Length of course: 1 year

Grade level: 9-12

Prerequisite: none

Estimated cost: to be determined

ALGEBRA 1 HONORS

(2520H ALG I H)

- This course is offered to accelerated track mathematics students. Students will be exposed to concepts in greater depth and will move through material at a faster pace.
- Provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses
- Provides for the use of algebraic skills in a range of problem-solving situations
- Provides skills necessary for success on state-mandated exam

Length of course: 1 year

Grade level: 9

Prerequisite: Advanced 8th Grade Math

Estimated cost: to be determined

ALGEBRA II

(2522 ALG II)

- Extends the content of Algebra 1 and provides further development of the concept of a function
- Students work to expand their abilities to model situations and solve related equations
- The use of logarithms and their properties to solve exponential equations is introduced

Length of course: 1 year

Grade level: 10-12

Prerequisite: Geometry

Estimated cost: to be determined

ALGEBRA II HONORS

(2522H ALG II H)

- Extends the content of Algebra 1 and provides further development of the concept of a function
- Introduces concepts necessary for Pre-Calculus (radians, interval/set notation, etc.)
- Graphing technology is introduced using the TI-84

Length of course: 1 year

Grade level: 10-12

Prerequisite: A grade of an A or A- in Geometry, and passing score on the Algebra 1 ISTEP

Estimated cost: to be determined

CCR BRIDGE: MATH READY
(2514 MATH RDY)

CCR Bridge: Math Ready will include and reinforce the Algebra 1, Geometry, Algebra 2 and Statistics skills necessary to be ready for an entry-level college math course. This course emphasizes understanding of math concepts rather than just memorizing procedures.

- Math Ready students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example.
- This equips them with higher-order thinking skills in order to apply math skills, functions and concepts in different situations. The course is intended for students who currently have achieved the minimum math requirements for college entry.
- The content of this course is designed to enhance students' math skills so that they are ready for college-level math assignments. It is not designed to prepare students for college-level math in STEM majors.

Length of course: 1 semester

Grade Level: 11-12

Prerequisite: Have not passed the Grade 10 Math ISTEP+ (or old Algebra 1 ISTEP) **and** have scored below a 45 on the PSAT test OR students who score below proficient on a diagnostic test

Estimated cost: to be determined

FINITE MATHEMATICS

(2530 FINITE)

- Addresses higher-level mathematical topics not included in calculus
- Study the concepts of counting techniques, matrices, recursion, graph theory, social choice, linear programming, and game theory

Note: Graphing calculator TI-84 Plus is highly recommended and used throughout the course

Length of course: 1 year

Grade level: 11-12

Prerequisite: Algebra I, Algebra II, and Geometry

Estimated cost: \$30

GEOMETRY

(2532 GEOM)

- Provides students with experiences that deepen the understanding of two- and three-dimensional objects and their properties
- Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed
- An understanding of proof and logic is developed

Length of course: 1 year

Grade level: 10-12

Prerequisite: Algebra I

Estimated cost: to be determined

GEOMETRY HONORS

(2532H GEOM H)

- Provides students with experiences that deepen the understanding of two- and three-dimensional objects and their properties, with an emphasis on application
- Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed
- An understanding of proof and logic is thoroughly developed, with an emphasis on theory and abstract ideas

Length of course: 1 year

Grade level: 9-12

Prerequisite: grade of A in Algebra I, and passing score on the Algebra I ISTEP

Estimated cost: to be determined

PRE-CALCULUS/ TRIGONOMETRY

(2564 PRECAL/TRIG)

- Extend the study of algebraic reasoning as well as imaginary and complex numbers
- Develop understanding of trigonometry through circular functions, properties, and graphs
- Learn trigonometry of triangles, trigonometric functions, trigonometric identities and equations as well as develop a foundation for common periodic functions
- Develop understanding of relations and functions, exponential and logarithmic functions, sequences and series, and data analysis

Note: Graphing calculator TI-84 Plus is highly recommended and used throughout the course

Length of course: 1 year

Grade level: 11-12

Prerequisite: grade of C- or better in Algebra I, Algebra II, and Geometry and passing score on the Algebra I ISTEP

Estimated cost: \$25

PRE-CALCULUS/ TRIGONOMETRY HONORS

(2564H PRECAL/TRIG)

- Master skills and topics required for enrolling into a college-level calculus course
- Develop understanding of trigonometry through circular functions, properties, and graphs with an emphasis on theory and abstract ideas
- Learn trigonometry of triangles, trigonometric functions, trigonometric identities and equations
- Develop understanding of relations and functions, exponential and logarithmic functions, sequences and series, and data analysis with an emphasis on concept application

Note: Graphing calculator TI-84 Plus is highly recommended and used throughout the course

Length of course: 1 year

Grade level: 10-12 with the intention to take ACP Calculus

Prerequisite: grade of B or better in Algebra I, Algebra II, and Geometry, and passing score on the Algebra I ISTEP

Estimated cost: \$25

Performing Arts

<p><u>BAND/GUARD</u></p> <p>Advanced Concert Band Winds</p> <p>Advanced Concert Band Percussion</p> <p>Dance Performance</p>	<p><u>CHOIR</u></p> <p>Sensations</p> <p>Millennium</p> <p>Nexus</p> <p>Finesse</p> <p>Madrigals & Spotlighters</p>
<p><u>ORCHESTRA</u></p> <p>Beginning Orchestra</p> <p>Intermediate Orchestra</p> <p>Advanced Orchestra - Chamber</p>	<p><u>OTHER PERFORMING ARTS</u></p> <p>+AP Music Theory</p> <p>Theatre Arts</p> <p>Advanced Theatre Arts</p>

+ Colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements.

Performing Arts

ADVANCED CONCERT BAND WINDS

(4170W ADV BAND)

- Class consists of woodwind and brass students.
- Membership and placement are determined by audition.
- Music of many different styles, formats and difficulty will be programmed.
- The band performs at concerts, festivals and community events.
- Members have the opportunity to participate in marching band, jazz ensemble and pep band.
- Attendance at all required performances is necessary.

Length of course: 1 year

Grade Level: 9-12

Prerequisite: Completion of beginning and intermediate concert band grades 7-8

Estimated Cost: \$50 per semester**fundraising options available

ADVANCED CONCERT BAND PERCUSSION

(4170P ADV BAND)

- Class consists of percussion students.
- Membership and placement are determined by audition.
- Music of many different styles, formats and difficulty will be programmed.
- The band performs at concerts, festivals and community events.
- Members have the opportunity to participate in marching band, percussion ensemble, jazz ensemble and pep band.
- Attendance at all required performances is necessary.

Length of course: 1 year

Grade Level: 9-12

Prerequisite: Completion of beginning and intermediate concert band grades 7-8

Estimated Cost: \$50 per semester**fundraising options available

ADVANCED FEMALE CHORUS (FINESSE)

(4188F ADV CHOIR F)

- Multiple opportunities to perform and compete.
- Study advanced choral literature.
- Sing Group I music and perform at the State Qualification level.
- Develop important sight-reading and analyzation skills.
- Several hours of outside rehearsals are required.

Length of course: 1 year

Grade level: 9-12

Prerequisite: by audition only

Estimated cost: \$700/ year to cover costs of contests, transportation, and supplies ** Ample fund-raising opportunities are available to the students to offset the fees

ADVANCED MIXED CHORUS (MADRIGALS AND SPOTLIGHTERS)

(4188S ADV CHOIR S)

- Multiple opportunities to perform and compete.
- Study advanced choral literature.
- Sing Group I music and perform at the State Qualification level.
- Develop important sight-reading and analyzation skills.
- Several hours of outside rehearsals are required.
- Fees are Length of course: 1 year

Grade level: 9-12

Prerequisite: by audition only

Estimated cost: \$700/ year to cover costs of contests, transportation, and supplies ** Ample fund-raising opportunities are available to the students to offset the fees

ADVANCED THEATRE ARTS

(4240 ADV THTR)

- Advanced Theatre Arts students learn to write plays by composing a one-act Christmas play at least 20 typed pages in that includes stage directions, background information, set description, character descriptions, and dialogue.
- Students will work on set construction, prop building, creating programs, and acting.
- For those students pursuing a theatrical background may take this advanced theatre arts course more than once for credit pending approval by the counselor and/or teacher.

Length of course: 1 semester (offered 2nd semester)

Grade level: 9-12

Prerequisite: Theatre Arts

Estimated cost: \$9

+AP MUSIC THEORY

(4210 AP MUS TH)

- Learn basic notational and compositional skills.
- Develop aural skills.
- Study score analysis and musical terminology.

Length of course: 1 year

Grade level: 11 and 12

Prerequisite: none

Estimated cost: \$23 + \$92 AP Test Fee

BEGINNING CHORUS (SENSATIONS)

(4182 BEG CHOR)

- Multiple opportunities to perform in a non-competitive format.
- Study beginning choral literature.
- Learn proper rehearsal and performance techniques.
- Learn solfege and develop important sight-reading skills.

Length of course: 1 year

Grade level: 9-12

Prerequisite: none

Estimated cost: \$50

BEGINNING ORCHESTRA

(4166 BEG ORCH)

- Intermediate techniques (positions, some shifting, new keys)
- All performances are required.

Length of course: 1 year

Grade level: 9-12

Prerequisite: Students must have previous experience on violin, viola, cello or string bass

Estimated cost: \$125 for yearly fee and concert attire (one-time expense).

DANCE PERFORMANCE

(4146 DNC PERF)

- A performance based class where the students will learn about various movement genres and techniques.
- While learning about the different genres the students will utilize the techniques learned by performing small pieces in front of the class for a grade.
- The students will learn about the different dance and equipment portions of the activity.
- Students will learn flag technique and choreography for pieces to perform in front of the class for a grade.
- Throughout the class the students will not only be exposed to dance and equipment techniques, genres and performances but also vocabulary, group work and musical interpretation.
- Students will participate in auditions to learn the skills needed not only for the beginning of the semester but the school year as a whole, as well as to see if they really would like to participate in the course.

Length of course: 1 year

Grade level: 9-12

Prerequisite: by audition only

Estimated cost: no fee

INTERMEDIATE CHORUS (MILLENNIUM)

(4186 CHOIR M)

- Multiple opportunities to perform in a non-competitive format; a few opportunities to compete competitively.
- Study choral literature.
- Learn proper rehearsal and performance techniques, solfege, and develop important sight-reading skills.

Length of course: 1 year

Grade level: 9-12

Prerequisites: none

Estimated cost: \$350/year to cover costs of contests, transportation, and supplies ** Ample fund-raising opportunities are available to the students to offset fees

INTERMEDIATE CHORUS (NEXUS)

(4186 CHOIR N)

- Multiple opportunities to perform in a non-competitive format; opportunities to compete competitively
- Study intermediate choral literature; continue to work on rehearsal and performance techniques; develop solfege and sight-reading skills.
- Some outside rehearsal time is required.

Length of course: 1 year

Grade level: 9-12

Prerequisites: none

Estimated cost: \$500/year to cover costs of contests, transportation, and supplies ** Ample fund-raising opportunities are available to the students to offset the fees

INTERMEDIATE ORCHESTRA

(4172 INT ORCH)

- Advanced techniques (shifting, positions, complex rhythms)
- Variety of genres in music (classical, pop/rock, jazz, multicultural)
- All performances are required as an extension of the classroom learning

Length of course: 1 year

Grade level: 9-12

Prerequisite: none

Estimated cost: \$30.00/year, payable to OPUS (Orchestra Parents United for Students), contests, transportation, music and supplies expenses

ADVANCED ORCHESTRA – CHAMBER

(4174C ADV ORCH C)

Small ensemble for more advanced players who can play music from the Indiana State School Music Association (ISSMA) Group I & II literature.

- Advanced techniques (shifting, positions, clefs, stylistic playing).
- All performances are required including, but not limited to, Victorian Christmas, ISSMA Solo & Ensemble contest and possibly community events.

Length of course: 1 year

Grade level: 9-12

Prerequisite: by audition only

Estimated cost: \$30.00/year, payable to OPUS (Orchestra Parents United for Students), to cover costs of contests, transportation, music and supplies

THEATRE ARTS

(4242 THTR ARTS)

- This course provides a study of theatre arts such as acting, stagecraft, makeup, costuming, and other aspects of play production.
- Students will practice body movement and vocal techniques of acting and interpretation.
- Representative examples of outstanding drama may be studied.
- This class will present the Christmas play with MHS theatre arts students.

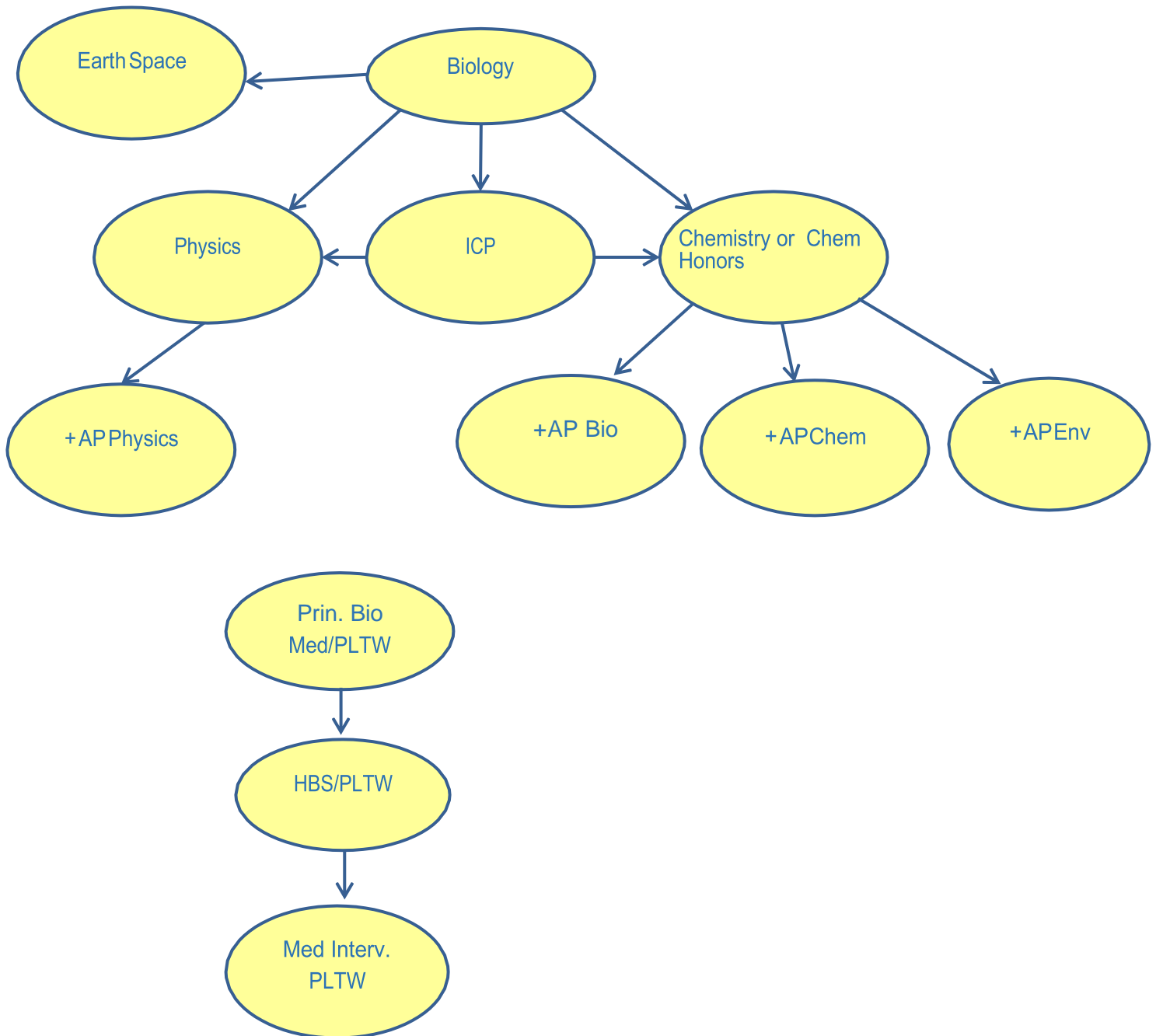
Length of course: 1 semester (offered 1st semester)

Grade level: 9-12

Prerequisite: none

Estimated cost: \$3

Science



+Colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements

Click below for a video explaining the Project Lead the Way (PLTW) Biomedical Sciences pathway:
: <https://www.youtube.com/watch?v=HnYj6-PEoIA>

Science

+AP BIOLOGY

(3020 AP BIO)

- Provide a college level study of the biological sciences
- Develop college level critical thinking skills
- Prepare for the comprehensive AP Biology Exam given in May
- Use collected data to solve biological problems.
- Summer assignments will be required prior to the start of the course.

Length: 1 year

Grade level: 10-12

Prerequisite: A or B in Biology I or Biology II and an A or B in Chemistry I

Estimated cost: \$71 + \$93 AP Test Fee (state usually pays for science AP exam fee for 11th and 12 graders only).

+AP CHEMISTRY

(3060 AP CHEM)

- Study college level general chemistry
- Explore the composition and changes of matter with detailed analysis, sophisticated models and in-depth laboratory investigations
- Prepare for the College Board AP Chemistry Exam in May through college-level instruction and laboratory experiences
- Summer assignments will be required prior to the start of the course.

Length of course: 1 year

Grade level: 10-12

Prerequisite: A or B in Chemistry I Honors or an A in Chemistry I

Estimated cost: \$55 + \$93 AP Test Fee, a scientific calculator & lab safety goggles (state usually pays for science AP exam fee for 11th and 12 graders only).

+AP ENVIRONMENTAL SCIENCE

(3012 AP ENVSCI)

AP Environmental Science investigates the following: Scientific principles, concepts and methodologies required to understand the interrelationships of the natural world

- Identify and analyze environmental problems both natural and human-made
- Evaluate the relative risks associated with these problems
- Examine alternative solutions for resolving and/or preventing them
- Length of course: 1 Year

Length of course: 1 year

Grade Level: 11-12

Prerequisite: Biology and A or B in Chemistry

Estimated cost: \$30 + \$93 AP test (state usually pays for science AP exam fee for 11th and 12 graders only)

+AP PHYSICS 1

(3080 AP PHYS 1)

- Detailed analysis of the algebraic base and practical applications of motion, energy, atomic structure, sound, light and electricity
- Explore technical applications through frequent laboratory experiences, group projects and independent projects (students will be responsible for purchasing materials for projects)
- Prepare for college-majors in medical science, engineering science, or technology
- Parallel introductory college courses in physics by following the College Board guidelines for Advanced Placement Physics.
- Require an average of 5-10 hours per week of outside class work
- Prepare for the Advanced Placement Physics 1 test at the end of the year
- Summer assignments may be required prior to the start of the course.

Length of course: 1 year

Grade level: 11-12

Prerequisite: A or B in Physics I

Co-requisite: Pre-Calculus/Trigonometry

Estimated cost: \$48 + \$93 AP Test Fee (state usually pays for science AP exam fee for 11th and 12 graders only)

BIOLOGY I

(3024 BIO I)

- Provide entry-level biology content
- Experience a variety of instructional methods including lecture, demonstrations, lab work, and group projects.
- Low-level math skills required
- Topics covered include: the nature of life, ecology, cells, genetics, and evolution

Length of course: 1 year

Grade level: 9-12

Prerequisite: none

Estimated cost: \$31

CHEMISTRY I

(3064 CHEM I)

- Study the composition and interactions of materials
- Apply algebra skills, theoretical models, and use laboratory investigations to explore and observe the nature of matter and chemical change
- Prepare for further studies in science
- Recommended to those who are competent in math and are planning to enter post-secondary education

Length of course: 1 year

Grade level: 9-12

Prerequisite: Biology and an A or B in Algebra I

Estimated cost: \$31 and a scientific calculator & lab safety goggles.

CHEMISTRY I HONORS

(3064H CHEM I H)

- Study the composition and interactions of materials in an in-depth manner
- Apply algebra expertise, abstract models and complex laboratory procedures to explore, observe and analyze the nature of matter and chemical change
- Prepare for Advanced Placement Chemistry, Advanced Placement Physics or Advanced Placement Biology

Length of course: 1 year

Grade level: 9-12

Prerequisite: Biology and an A in Algebra

Estimated cost: \$31 and a scientific calculator & lab safety goggles

EARTH SPACE SCIENCE

(3044 EAS SCI)

- Includes a variety of instructional methods including lecture, demonstrations, lab work, and group projects
- Low-level math skills required
- Study modeling the Earth, Earth's matter, Earth's dynamics, Earth's changing surfaces, atmosphere, weather, oceans, and outer space

Length of course: 1 year

Grade level: 10-12

Prerequisite: none

Estimated cost: \$30

HUMAN BODY SYSTEMS/PLTW

(5216 HUMAN SYST PLTW)

- Examine the processes, structures and interactions of the human body
- Explore the role and careers of biomedical professionals
- Collaboratively explore the prevention, diagnosis and treatment of health challenges of the 21st century
- Acquire strong teamwork and communication practices
- Develop organizational, critical-thinking, and problem-solving skills.
- Please follow link for explanatory video: <https://www.youtube.com/watch?v=h28aHWWVZ44>

Length of course: 1 Year

Grade level: 10-12

Prerequisite: Principles of Biomedical Sciences

Estimated cost: \$55

INTEGRATED CHEMISTRY-PHYSICS

(3108 ICP)

- Laboratory based class in which students will explore fundamentals of chemistry and physics
- Investigate the structure and properties of matter, chemical reactions, force, motion, and the interactions between matter and energy
- Apply the principles of chemistry and physics to real-world problems
- Solving chemistry and physics problems using basic Algebra skills

Length of course: 1 year

Grade level: 10-12

Prerequisite: Algebra I, grade of C or better (sophomores only)

Estimated cost: \$25

MEDICAL INTERVENTIONS/PLTW

(5217 MED INTERV PLTW)

- *PLTW 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.
- Please follow link for explanatory video: <https://www.youtube.com/watch?v=u60uXuZnjoc>

Length of course: 1 year

Grade Level: 11-12

Prerequisite: Human Body Systems, or taken concurrently with Human Body Systems with teacher recommendation

Estimated cost: \$55

PHYSICS I

(3084 PHYS I)

- Study the fundamental concepts & principles of motion and energy.
- Provide opportunities to relate physics to everyday life and social issues
- Explore the uses of physics' laws, models and theories in various careers and disciplines
- Develop mathematical problem-solving and investigative skills in a science;
- Complete various independent projects (students will be responsible for purchasing materials for projects)

Length of course: 1 Year

Grade level: 10-12

Prerequisite: Geometry

Estimated cost: \$32 and a scientific calculator with trigonometric functions

PRINCIPLES OF BIOMEDICAL SCIENCES/PLTW

(5218 PRIN BIOMED PLTW)

- Work involves the study of human medicine, research processes and an introduction to bioinformatics.
- Investigate the human bodysystems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases.
- A theme through the course is to determine the factors that led to the death of a fictional person.
- After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life.
- Key biological concepts included in the curriculum are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Engineering principles such as the design process, feedback loops, fluid dynamics, and the relationship of structure to function will be included where appropriate.
- Please follow link for explanatory video: <https://www.youtube.com/watch?v=4S6XBjIkyLc>

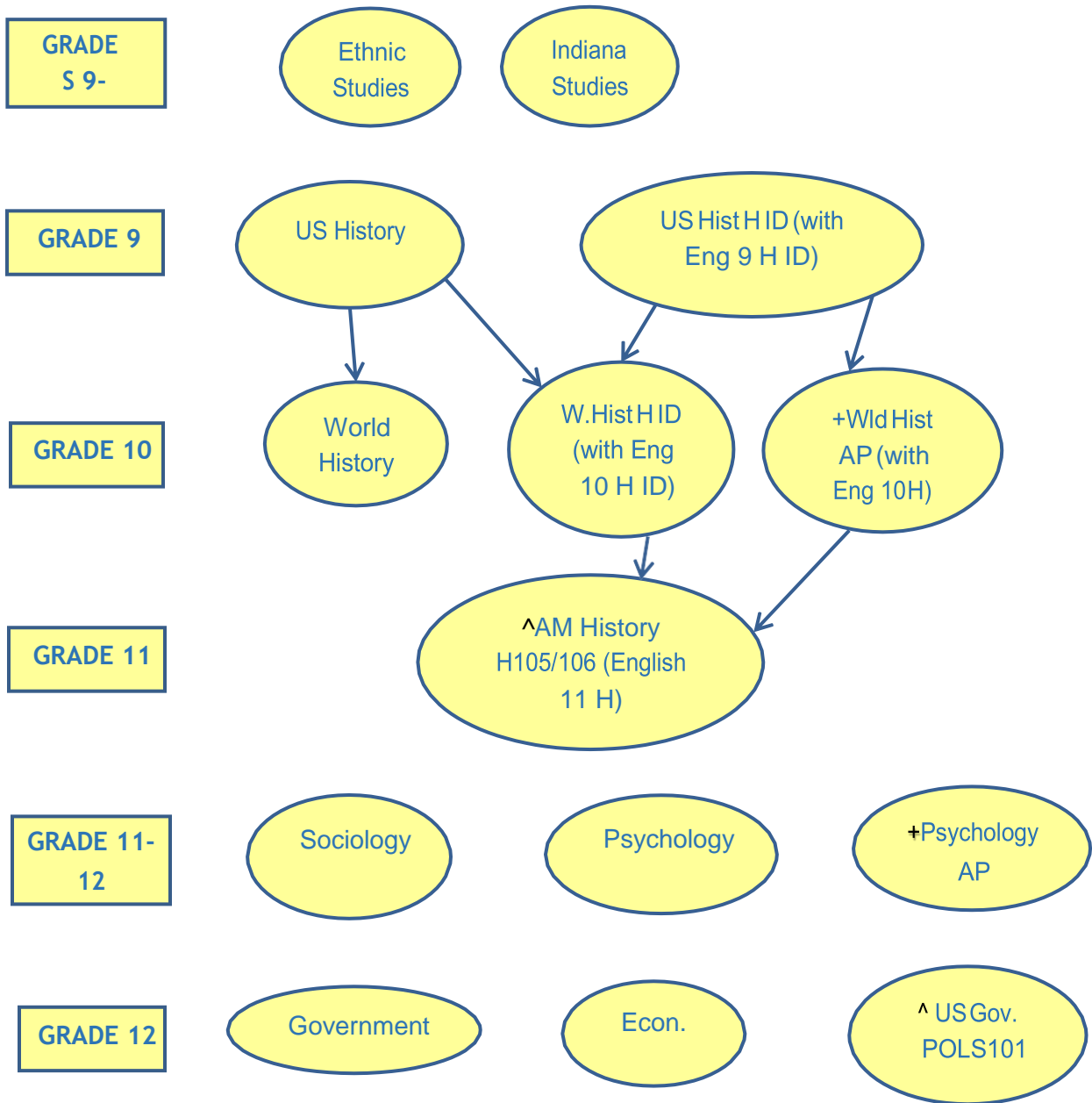
Length of course: 1 Year

Grade level: 9-10

Prerequisite: C or better in 8th Grade Biology or an A or B in freshman level Biology

Estimated cost: \$35

Social Studies



^ Signifies dual credit course is on the required priority list of courses that can satisfy AHD requirements
 +Colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements

Social Studies

^ADVANCED SOCIAL SCIENCE AMERICAN HISTORY, COLLEGE CREDIT (H105/106)

(1574 ADV SS CC US)

- ACP is a dual credit course in association with Indiana University. Two semesters course H105 and H106.
- The course has a chronological frame work from 1492 to the present. A variety of historical themes are examined in order to place the history of the US into a larger analytical context. Students are expected to analyze and interpret primary sources. Course involves extensive writing and research assignments.
- This course requires a summer reading assignment.

Length of Course: 1 year

Grade level: 11

Prerequisite: World History Honors, Cumulative GPA of 2.7 or higher, and passing score on placement test.

Co-requisite: English 11 Honors-American Studies

Estimated cost: \$75 tuition per semester (\$25 per credit hour) and textbook fees. All textbook(s) required by Indiana University will be ordered through MHS and must be paid in full before the class starts to be able to take this course.

Please note that textbook assistance is not available for this course.

^ADVANCED SOCIAL SCIENCES U.S. GOVERNMENT, COLLEGE CREDIT (POLS 101)

(1574G ADV SS CC GOV)

Students will have the unique opportunity to earn MHS credit and Ivy Tech credit while completing this US Government course. The class while offered at MHS will follow the Ivy Tech syllabus and will use an Ivy Tech textbook. The emphasis for this course will be the origins and purposes of our government. A heavy emphasis will be placed on the historical background of the constitution. At the end of the course students will have knowledge of the following government historical perspectives and functions:

- This course is the equivalent of POLS101 at Ivy Tech
- Interest groups and political parties
- Functions of the executive, legislative and judicial branch
- Civil liberties and civil rights
- Domestic and foreign policy

Length of course: 1 semester/3 Ivy Tech credits

Grade level: 12

Prerequisite: Successful completion of US History and World History. To be enrolled in this course the student must take the Accuplacer placement test and meet the standard set by Ivy Tech.

Estimated cost: \$19

Please note that textbook assistance is not available for this course.

+AP PSYCHOLOGY

(1558 AP PSYCH)

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes. Topics include:

- History and approaches along with research methods, biological bases of behavior, sensation, perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology and personality, testing and individual differences, abnormal psychology and treatment of psychological disorders, social psychology

Length of course: 2 semesters

Grade Level: 11-12

Estimated Cost: \$17 + \$93 for AP test

+AP WORLD HISTORY

(1576 AP WLD HST)

The course will have a chronological frame from the periods 8000 B.C.E. to the present. AP World History focuses on five overarching themes:

- Interaction Between Humans and the Environment
- Development and Interaction of Cultures
- State-Building, Expansion and Conflict
- Creation, Expansion and Interaction of Economic Systems, Development and Transformation of Social Structures

Length of course: 1 year

Grade Level: 10-12

Prerequisite: US History Honors or with teacher recommendation

Co-requisite: English 10 Honors

Estimated cost: \$55 + \$93 for AP test

ECONOMICS

(1514 ECON)

- This course analyzes the economic reasoning used by consumers, producers, savers, investors, workers, and government agencies.
- Through a variety of projects and hands on experiences students will gain a basic understanding of market structures and the role of business in our economic system.

Length of course: 1 semester

Grade level: 12

Prerequisite: none

Estimated cost: \$19

ETHNIC STUDIES (1516 ETH STUDIES)

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

Length of course: 1 semester

Grade level: 9-12

Prerequisites: none

Estimated cost: to be determined

INDIANA STUDIES (1518 IN STUDIES)

- This course focuses on the state and national developments in politics, economics, history, and culture.
- Uses Indiana history as a basis for understanding current legislative policies, practices, and procedures. It examines state and national constitutions from a historical and current foundations of government. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

Length of course: 1 semester

Recommended Grade Level: 9-12

Prerequisites: none

Estimated cost: to be determined

PSYCHOLOGY

(1532 PSYCH)

- The course focuses on the scientific study of mental processes, behavior, developmental psychology, social and moral development, learning, and memory.
- The course also outlines mental health topics and the biological way the brain and nervous system functions.

Length of course: 1 semester

Grade level: 11-12

Prerequisite: none

Estimated cost: \$17

SOCIOLOGY

(1534 SOC)

- The course provides students the opportunity to study human social behavior from a group perspective. Students will examine society, group behavior, and social structure through research methods and scientific inquiry. Students will analyze a range of social problems in today's world and examine the impact those problems have on the individual and society.
- Course has a mandatory semester project

Length of course: 1 semester

Grade level: 11-12

Prerequisite: none

Estimated cost: no fee

UNITED STATES GOVERNMENT

(1540 US GOVT)

- The class provides an understanding of the purpose, principals, and practices of constitutional representative democracy in the United States.
- Students will analyze how the US government interacts with other nations in world affairs.
- Focus on the role, rights, and responsibilities of US citizens.
- Course has a mandatory semester project.

Length of course: 1 semester

Grade level: 12

Prerequisite: none

Estimated cost: \$19

UNITED STATES HISTORY

(1542 US HIST)

- Students are expected to trace and analyze chronological periods and examine the relationship of specific themes related to the history of the United States.
- The course examines the interaction of key events, persons, and groups with political, social, and cultural influences on state and national develop in post-Civil War America.
- Students will investigate history through the use of technology and problem solving.

Length of course: 1 year

Grade level: 9

Prerequisite: none

Estimated cost: \$20

UNITED STATES HISTORY HONORS - INTERDISCIPLINARY

(1542I US HIST HON ID)

- Honors US history includes extensive writing assignments as well as extensive supplemental reading of primary and secondary documents.
- The focus of this course is post-Civil War US history. Honor students will not only focus on the interaction of key events, person, and groups but will also be responsible for developing the skills of historical analysis.
- Mandatory 1st and 2nd semester projects and reading of historical novels
- Estimated supplemental cost to be determined.
- This course will be taken concurrently with English 9 Honors ID and will focus on a cross-curricular approach to learning US History and English. Students should expect that class activities, projects, writing and reading assignments will focus on both content specific literacy and writing skills.

Length of course: 1 year

Grade level: 9

Prerequisite: none

Co-requisite: English 9 Honors ID

Estimated cost: \$20

WORLD HISTORY AND CIVILIZATION

(1548 WLD HST/CVL)

- This course emphasizes the events and developments of past civilizations. Mandatory 1st semester project.
- The goal is for students to research key historical events and examine examples of continuity, change, unity and diversity among various groups and cultures from the past to the present.

Length of course: 1 year

Grade level: 10

Prerequisite: US History

Estimated cost: \$21

WORLD HISTORY AND CIVILIZATION HONORS - INTERDISCIPLINARY

(1548I WLD HST/CVL HON ID)

- This course involves an intensive discovery of key events and developments pertaining to past civilizations and cultures. Mandatory 1st and 2nd semester project. Reading and analysis of historical novels.
- Students will be engaged in extensive writing assignments, historical research, analysis, and individual and group projects that are designed to enhance student understanding and academic development.
- This course is designed to be aligned to English 10 Honors and will focus on a cross-curricular approach to learning World History and English. Students should expect that class activities, projects, writing and reading assignments will align to both the content being taught in their English 10 Honors and World History Honors course.
- The academic rigor established in this course is to prepare students for American Studies at the junior level.
- This course will be taken concurrently with English 10 Honors ID and will focus on a cross-curricular approach to learning World History and English. Students should expect that class activities, projects, writing and reading assignments will focus on both content specific literacy and writing skills.

Length of course: 1 year

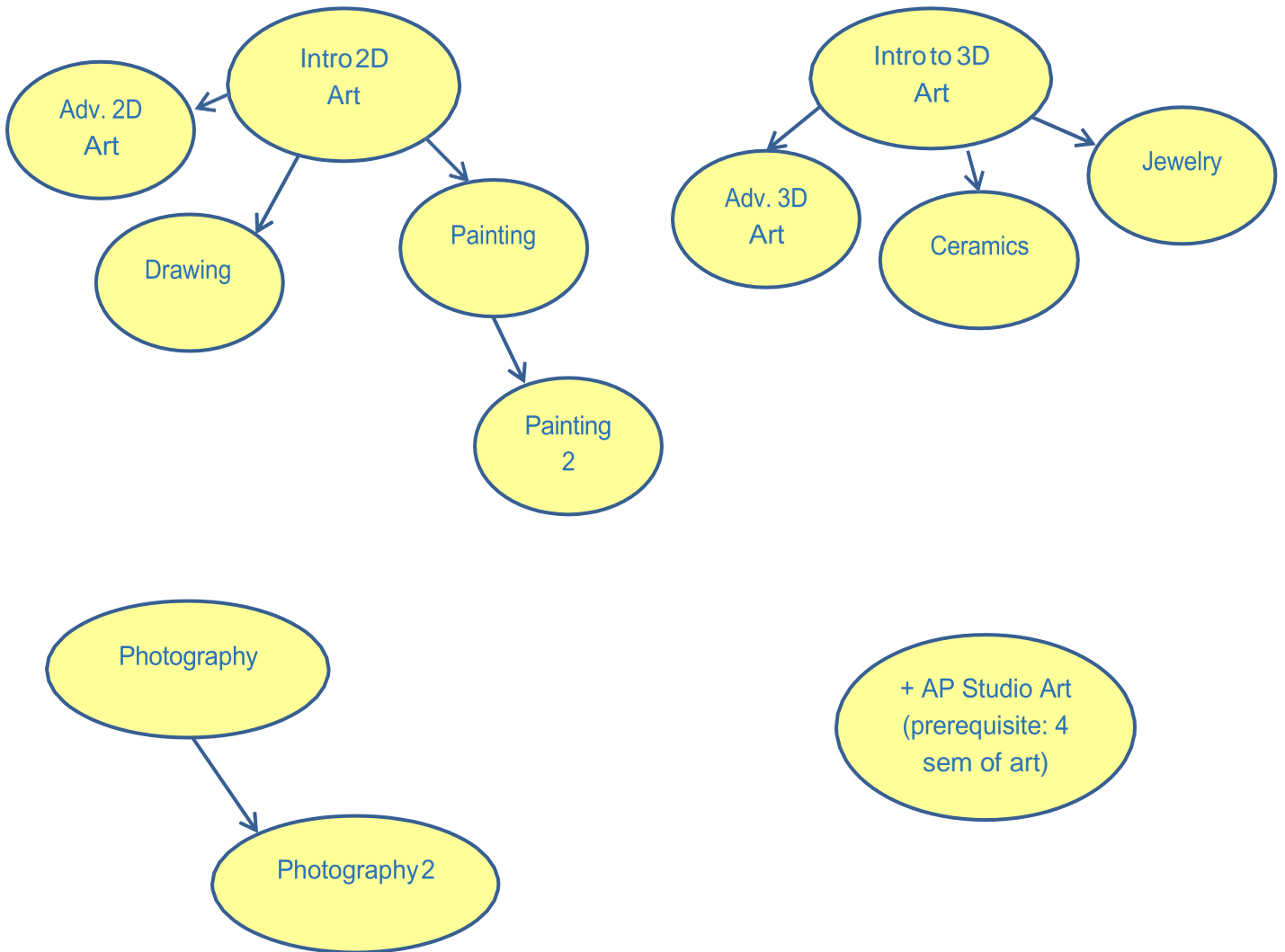
Grade level: 10

Prerequisite: grade of B or better in US History Honors/US History Honors Interdisciplinary

Co-requisite: English 10 Honors ID

Estimated cost: \$21

Visual Arts



+ colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements

Visual Arts

ADVANCED TWO-DIMENSIONAL ART

(4004 ADV 2D ART)

- Laboratorybased exploration class further exploring a variety of techniques and media building prior knowledge
- Improving drawing and painting skills
- Broaden an experience in 2D art while continuing to create a portfolio for college

Length of course: 1 semester

Grade level: 9 - 12

Prerequisite: Intro to 2D Art

Estimated cost: \$15

ADVANCED THREE-DIMENSIONAL ART

(4006 ADV 3D ART)

- Laboratory-based exploration of 3-dimensional media and techniques such as bas-relief and freestanding sculptures
- Lab-based exploration of jewelry and textiles
- Broaden experiences in 3-D art to include stone and lithography

Length of course: 1 semester

Grade level: 9 - 12

Prerequisite: Intro to 3D art

Estimated cost: \$15

+AP STUDIO ART (2D)

(4050 AP ART 2D)

- Laboratory class developing a college portfolio
- First semester will improve on rendering and rounding skills
- Second semester the students will focus on one specific area or skill

Length of course: 1 year

Grade level: 11 - 12

Prerequisite: 4 semesters of art classes

Estimated cost: \$30 + \$93 AP Test Fee

CERAMICS

(4040 CERAMICS)

- Studio opportunity to explore all varieties of hand building techniques such as pinch, coil, slab, drape, and mold
- Lab-based training on the potter's wheel to make bowls and cups
- Examination of surface decoration through carving, appliques, and glazing
- Differentiation provided for applied vs. fine arts
- Technical training in kiln and studio maintenance as well as business applications and opportunity sell work

Length: 1 semester

Grade level: 9-12

Prerequisite: Intro to 3D Art

Estimated cost: \$15

DRAWING

(4060 DRAWING)

- Laboratory class
- Areas to be covered sketching, rendering and perspective drawing
- Developing the knowledge of how light affects things and rounding objects

Length of course: 1 semester

Grade level: 9 - 12

Prerequisite: Intro to 2D Art

Estimated cost: \$15

INTRODUCTION TO THREE-DIMENSIONAL ART

(4002 3D ART)

- Laboratory class
- Exploration of the elements of art and design in 3-D art
- Exploration of various media and techniques used in 3-D art

Length of course: 1 semester

Grade level: 9 - 12

Prerequisite: none

Estimated cost: \$15

INTRODUCTION TO TWO-DIMENSIONAL ART

(4000 2D ART)

- Laboratory class introducing various media and techniques
- Exploration of the elements of art and design in 2D art
- Begin to create a portfolio for college

Length of course: 1 semester

Grade level: 9-12

Prerequisite: none

Estimated cost: \$15

JEWELRY

(4042 JWLRY)

- Technical and aesthetic jewelry making with business applications
- Studio opportunity to examine basic techniques and create jewelry from patterns and as well as original designs
- Project-based learning training students to estimate costs and how to sell their work, as well as the chance to sell their work
- Laboratory-based opportunity to use a variety of metals including nickel silver, copper, nu-gold, and brass.

Length: 1 semester

Grade level: 9-12

Prerequisite: Intro to 3D Art

Estimated cost: \$15; additionally, students will be responsible for obtaining a set of small jewelry tools (chain nose pliers, round-nose pliers, and side cuts).

PAINTING

(4064 PAINTING)

- Laboratory class
- Painting still life, people and landscapes
- Media - Water colors, Acrylic and Oil

Length of course: 1 semester

Grade level: 9 - 12

Prerequisite: Intro to 2D art

Estimated cost: \$15

PAINTING 2

(40642 PAINTING 2)

- Students study art history, art criticism, aesthetics, and production that lead to the creation of a portfolio. 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; students explore cultural/historical connections; analyze, interpret, theorize artwork; 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.
- The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

The goal of Painting 2 is to increase participation in AP Art

Length of course: 1 semester

Grade level: 9 - 12

Prerequisite: Intro to 2D art and Painting

Estimated cost: \$15

PHOTOGRAPHY

(4062 PHOTOGRPH)

- 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 while 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.

Length of course: 1 semester

Grade Level: 9- 12

Prerequisite: none

Estimated cost: \$15

PHOTOGRAPHY 2

(40622 PHOTO 2)

Photography is a course based on the Indiana Academic Standards for Visual Art. Students in photography engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works, creating photographs, films, and videos utilizing a variety of digital tools and dark room processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-- related careers.

- The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- The goal of Photography 2 is to increase participation in AP Art.

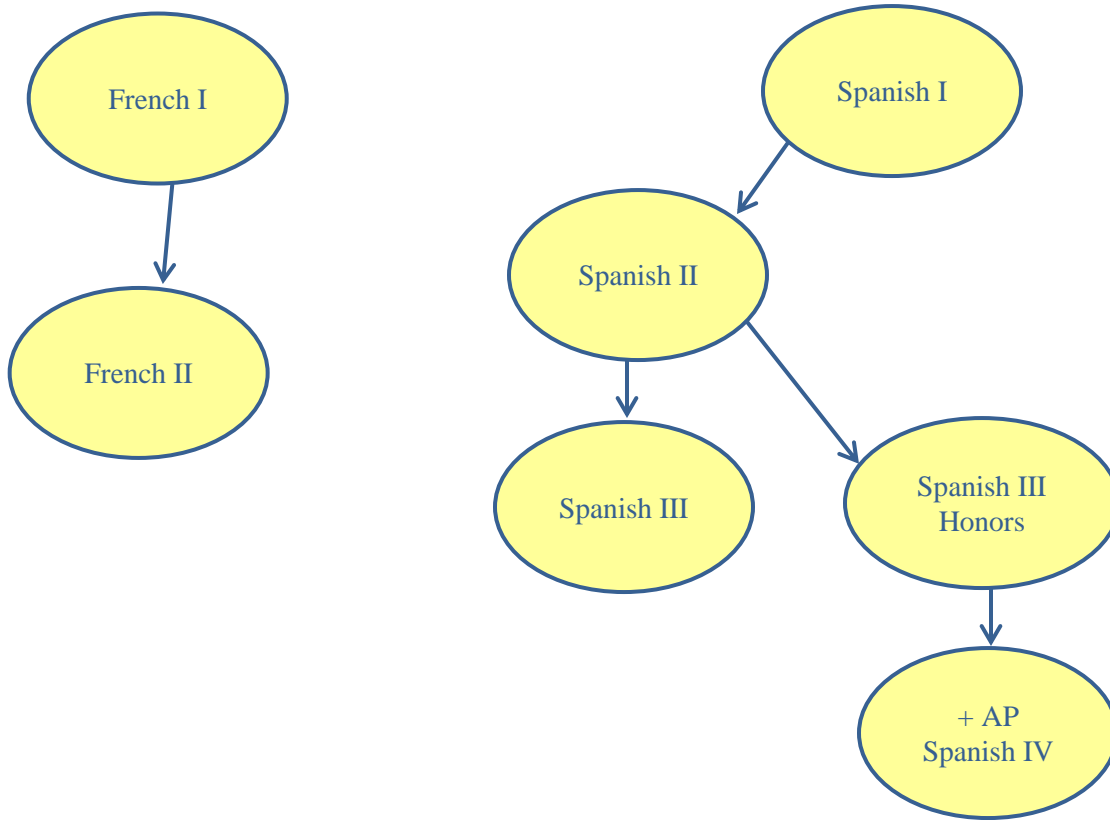
Length of course: 1 semester

Grade Level: 9- 12

Prerequisite: Photography

Estimated cost: \$15

World Language



+ colleges/universities may award credit for qualifying AP score and can be used to satisfy AHD requirements

+AP SPANISH LANGUAGE

(2132 AP SP LANG)

This course is based on content approved by the College Board.

- Parallels the skill development of a college-level Spanish course in advanced composition and conversation
- Designed for the student to work toward mastery of listening, speaking, reading and writing skills through the use of authentic materials
- Allows students to demonstrate their Spanish proficiency through interactive, receptive and productive communication opportunities
- Class is conducted in Spanish

Length of course: 1 year

Grade level: 12

Prerequisite: Spanish III or Spanish III Honors

Estimated cost: \$20 + \$93 AP Exam Fee

FRENCH I

(2020 FREN I)

- Introduces students to effective strategies for beginning French language learning, and to various aspects of French-speaking culture
- Communication skills: speaking and writing, understand and use appropriate greetings, participate in conversations, and write short passages
- Development of reading and listening comprehension skills
- Examines the practices, products and perspectives of French-speaking culture

Length of course: 1 year

Grade level: 9-12

Prerequisite: Students wanting to take French I in 9th grade; recommended A or B in 8th grade Language Arts and passed English ISTEP

Estimated cost: to be determined

FRENCH II

(2022 FREN II)

- French II builds upon effective strategies with the use of the language and cultural understanding
- Encourages interpersonal communication through speaking and writing
- providing opportunities to make and respond to requests and questions in expanded contexts
- Participate independently in brief conversations on familiar topics
- Students will describe the practices, products and perspectives of French-speaking culture

Length of course: 1 year

Grade level: 9-12

Prerequisite: French I

Estimated cost: to be determined

SPANISH I

(2120 SPAN I)

- Learn to use and understand basic structures of the Spanish language through listening, speaking, reading and writing
- Attain the necessary vocabulary and grammar to be able to engage in simple conversations and write simple texts in the present and past tense over topics such as greetings/leave-takings, school, family, daily activities, vacations and shopping.
- Begin to compare and contrast Hispanic people/culture and American culture
- Vocabulary memorization is a key study skill necessary to be successful in foreign language study

Length of course: 1 year

Grade level: 9-12

Prerequisite: Students wanting to take Spanish I in 9th grade; recommended A or B in 8th grade Language Arts and passed English ISTEP

Estimated cost: \$20

SPANISH II

(2122 SPAN II)

- Review and apply what was learned in Spanish I to continue to improve Spanish language skills in listening, speaking, reading and writing at an intermediate-level
- Continue to enhance vocabulary base and study grammar more in-depth to be able to engage in

intermediate-level conversations and write texts over topics such as health, daily routine, medical situations, technology, home and nature.

- Further understanding of Hispanic people/culture

Length of course: 1 year

Grade level: 10-12

Prerequisite: Spanish I

Estimated cost: \$20

SPANISH III

(2124 SPAN III)

- Review and apply the skills learned in Spanish II to continue to improve in advanced Spanish language skills in listening, speaking, reading and writing
- Attain the necessary vocabulary and grammar to be able to engage in advanced-level conversations, write texts in several verb tenses over topics such as personal relationships, hobbies, home responsibilities, work and personal health
- Further understanding of Hispanic people/culture through use of authentic resources
- Academic course beneficial for college preparation

Length of course: 1 year

Grade level: 11-12

Prerequisite: Spanish II

Estimated cost: \$20

SPANISH III HONORS

(2124H SPAN III H)

- Communicate in Spanish during class along with the class being instructed primarily in Spanish
- Review and apply the skills learned in Spanish II Honors to continue to improve in advanced Spanish language skills in listening, speaking, reading and writing
- Attain the necessary vocabulary and grammar to be able to engage in advanced-level conversations and write texts in several verb tenses over topics such as personal relationships, hobbies, home responsibilities, work and personal health
- Begin to produce and comprehend Spanish in a manner that is in accordance in preparing for AP Spanish
- Further understanding of Hispanic people/culture through use of authentic resources
- Academic course beneficial for college preparation

Length of course: 1 year

Grade level: 11

Prerequisite: Spanish II or Spanish II Honors

Estimated cost: \$20