

Message from the Principal

Dear Students and Parents,

Penn High School is committed to preparing its students for our rapidly changing world. Our mission is to provide an educational environment for students to reach their highest academic achievement, while preparing students to be responsible, healthy, contributing citizens. Penn is comprised of the interdependent Smaller Learning Communities of the Freshman Academy, the Science, Technology, Engineering, and Math Academy (STEM), Fine Arts and Communications Academy (FACA), the Management & Business Academy (MBA), the Health and Human Services Academy (HHSA) and the Penn Academy for Early College (PAEC).

Coupled with this mission is a shared responsibility among the school, student, and home to make wise choices and plan well for a 6-8+ year course of study that leads to continued education and employment after graduating from Penn High School. A successful young person needs to be knowledgeable, emotionally and physically healthy, motivated, civically inspired, engaged in the arts, and prepared for work and self-sufficiency.

This *Program of Studies* is intended as a planning tool that can assist students as they set goals and make informed plans for the future.

As you prepare for registration, you should complete these steps:

- read this *Program of Studies*,
- explore and identify plans for a career,
- develop or revise a four-year plan with the help of your counselor and parents,
- seek information about specific courses from your counselor and teachers,
- attend The Penn High School Showcase if you are a freshman, sophomore or junior.

Your counselor, teachers and parents are important sources of guidance for you as you choose courses. They can help you plan for, as well as understand, graduation requirements. They can help you use other planning resources like the Career Resource Center. Finally, they serve as important sources of experience and wisdom. Keep in mind that ultimately; the final selection of courses is yours. For that reason, you need to be an active participant in the selection of courses and development of your career plan.

The staff of Penn High School and the Board of School Trustees is committed to continuous improvement of student performance. In keeping with this charge, students are expected to deliver their best effort in the classroom, observe school rules, and respect the rights of fellow students and staff members.

Your success is our success. Your active involvement with our dedicated staff will lead to success. You are instrumental in continuing the tradition of excellence for which Penn High School is recognized.

Please let us know how we can be of assistance to you.

Sincerely,

Steve Hope
Principal

Board of School Trustees

Mr. Gary Fox	President
Mr. Larry Beehler	Vice President
Mr. Chris Riley	Secretary
Mrs. K. Jaye Galloway	Member
Mr. James L. Garrett	Member
Mr. Jamie Woods	Member
Mrs. Angie Gates	Member

Administration

Dr. Jerry Thacker	Superintendent of Schools
Dr. Denise Seger	Associate Superintendent
Dr. Kay Antonelli	Asst. Superintendent for Instruction
Mr. Michael Lureman	Director of Human Resources
Mrs. Lucha Ramey	Director of Communications
Mrs. Heather Short	Director of Professional Development and Student Learning
Ms. Gena Todd	Director of Exceptional Education

Penn High School

Mr. Steve Hope	Principal
Mr. Randy Williams	Associate Principal
Mrs. Rachel Fry	Assistant Principal
Mrs. Rhonda Jackson	Assistant Principal
Mrs. Barb Schalliol	Assistant Principal
Mrs. Beth Zachary	Assistant Principal
Mr. Dave Hall	Assessment Coordinator
Mr. Brandon Tugmon	(Hamn-Pag) Dean of Students
Mr. Brad Boyd	(Pah-Z) Dean of Students
Mr. Lucas Fry	(A-Hamm) Dean of Students
Mr. Aaron Leniski	Director of Athletics and Activities
Mrs. Bridget Williams	Assistant Athletic Director
Mr. Josiah Parker	STEM Academy Leader
Mr. Glenn Northern	Fine Arts & Communications Academy Leader

Mrs. Laura McKenzie	Freshman Academy Leader
Mrs. Jodi Adkins	Health & Human Services Academy Leader
Mrs. Polly Corpe	Management & Business Academy Leader
Mrs. Danielle Black	Early College Academy Leader
Mrs. Jennifer Grimm	Exceptional Education Leader
Mrs. Kelley Watts	World Languages Leader
Ms. Caelea Armstrong	Instructional Media Center Specialist
Mrs. Mary Nicolini	Writing Director
Mr. Donald Cronk	Director of Counseling Services
Mrs. Amanda Bates	(Le-Ow 10-12) Counselor
Mrs. Marni Cronk	(L-Z 9 th Grade Only) Counselor
Mrs. Sarah Hendricks	(St-Z 10-12) Counselor
Mrs. Candace Schwartz	(Han-La 10-12) Counselor
Mrs. Sandy Rowe	(Cr-Ham 10-12) Counselor
Mrs. Lynn Stratford	(A-Coy 10-12) Counselor
Mrs. Madeline Watkins	(A-K 9 th Grade Only) Counselor
Mr. John Westra	(Pa-Sr 10-12) Counselor

Penn High School..... (574) 258-9500
 Penn High School Main Office.....FAX (574) 258-9543
 Penn Harris Madison Web Page..... www.penn.phmschools.org
 Steven Hope, Principal (574) 258-9503
 E-mail address shope@phm.k12.in.us

Attendance Reporting (574) 258-9501
 Transportation Department..... (574) 258-9565
 Athletics Office (574) 258-9537
 Counseling Services (574) 258-9502
 Student Services (574) 258-9504
 Bookstore (574) 258-9596

Fine Arts & Communications Academy..... (574) 258-9515
 Health & Human Services Academy (574) 254-2874
 STEM Academy..... (574) 258-9526
 Exceptional Education (574) 258-9532
 Management & Business Academy (574) 258-9528
 World Languages (574) 254-2874
 Early College Academy (574) 258-9500 EXT. 20481
 Freshman Academy (574) 258-9500 EXT. 20758

Penn-Harris-Madison School Corporation

Mission, Vision, and Beliefs

Mission

- Our mission is to provide an educational environment for students to reach their highest academic achievement. We will prepare them to be responsible, healthy, contributing citizens who have acquired the skills to be lifelong learners ready to adapt to a changing world.

Vision

- Our curriculum is clearly defined, rigorous, integrated with technology, frequently assessed to reach every student, and supported by innovative teaching strategies.
- Our students are lifelong learners who demonstrate creativity, analytical problem-solving, and are engaged in positive social, emotional and healthy life skills.
- Our school climate is the result of communication and collaboration among the administration, parents, teachers, staff and students. A safe and personalized learning environment in our schools nurtures the whole child.
- Our personnel are highly trained individuals who model innovative best practices in all areas of their job assignment. Continuous opportunities for professional development are provided to support their performance at the highest level.
- Our creative and visionary leadership team exhibits responsible fiscal management that is committed to our mission and is accountable to the community.
- Our corporation seeks to collaborate with the greater Penn-Harris-Madison community in support of our mission.

Values

- We value learning as a priority and challenge all students to excellence through a continuous improvement model.
- We provide a healthy, safe, respectful and nurturing learning environment.
- We support continuous professional growth of a quality staff.
- We model a collaborative relationship among students, staff, and parents.
- We value community partnerships.
- We respect the uniqueness of each student.
- We demonstrate fiscal responsibility in support of our mission.

Goals

- Annually, all students will achieve proficiency in core academic areas as measured by state standards through multiple assessments.
- Annually, all students will demonstrate continuous academic progress through multiple assessments.
- All 10th grade students will demonstrate mastery of the proficiencies on the Graduation Qualifying Exam
- Annually, expenditures will not exceed revenues as measured by the certified budget.

Penn-Harris-Madison School Corporation

Profile of a Graduate

A graduate of Penn-Harris-Madison School Corporation schools is expected to acquire the knowledge and skill to:

Be an effective communicator who:

- Reads, comprehends, and analyzes material from a variety of sources.
- Communicates thoughts and ideas through writing, speaking, and performance.
- Applies active listening skills, seeking first to understand.
- Receives and evaluates information sources across a range of mediums.
- Communicates ideas effectively using a variety of media and the latest technology.
- Recognizes the necessity to tailor communication to meet the needs of an audience both locally and globally.
- Collaborates with others.

Be a thoughtful problem-solver who:

- Uses basic and advanced academic, social, and technological skills to solve problems.
- Thinks critically and creatively.
- Collects, analyzes and assesses source material as an informed thinker.
- Develops, evaluates, chooses and implements solutions to problems.

Be an effective contributor and collaborative team member who:

- Works cooperatively.
- Resolves disputes constructively.
- Works collaboratively towards a common good, a common challenge, which involves the contribution and exchange of ideas, knowledge or resources to achieve the goal.
- Perceives divergent viewpoints and responds with understanding.
- Treats others with dignity and respect.
- Functions responsibly as a member of a family, a social group and the larger global community.

Be a lifelong learner and contributing member of a society who:

- Seeks learning opportunities throughout life.
- Creates a personal vision and sets attainable goals for achievement.
- Assumes personal and social responsibility for actions.
- Continually acquires new skills necessary for success in the 21st century and the global economy.

Be a responsible citizen who:

- Understands the ideals and responsibilities of the American heritage.
- Is dedicated to democratic values and pursues the common good.
- Upholds legal rights and civic duties.
- Safeguards universal human rights and the dignity of all people.

Be a healthy individual who:

- Pursues a variety of healthy interests and maintains balance among them.
- Demonstrates a commitment to physical and emotional well-being.
- Exhibits self-regulating behavior.
- Confidently pursues his/her full potential.
- Expresses emotion constructively.
- Adapts to life changes.

- Exercises both body and mind.

Be a contemporary learner who:

- Effectively uses information and communications technology (ICT) and information literacy.
- Learns through digital networks.
- Learns through digital means, such as social networking, ICT (information & communications technology) literacy, technological awareness and simulation.
- Functions in social networks and contributes to the development of social and intellectual capital.

Penn High School Mission Statement

Penn High School instills in students the knowledge, skills and abilities required to be contributing members of the global community. We educate students through exemplary educational practices, effective communication, collaboration and cooperation in a safe, non-threatening environment. We embrace diversity and inspire students to reach challenging academic goals while conducting themselves with respect, with responsibility and with integrity.

ACADEMIC PLANNING

Planning Your Schedule

The Program of Studies, now available online, contains a wealth of information for the scheduling process. Whether your plans for life after high school involve work, apprenticeship, military, technical college, two-year or four-year college, your choices are important. Please take the time to explore your interests and formulate a map to reach your goals. Take time to check the prerequisites required for some classes. Applications are needed for some courses.

Your schedule is a full-year commitment, so courses must be chosen carefully. Your counselor will meet with you to finalize your choices.

Schedule Change Policy

It is the school's position that schedule changes after the school year begins disrupt instructional time. Since staffing and the master schedule are determined by student course selection, students are expected to honor the commitment they make when selecting courses and the spring deadline for making schedule changes. There are, however, circumstances that warrant a schedule change. Schedule change requests prior to school starting must meet at least one of the following criteria:

Criteria for schedule changes:

1. Failure to meet course prerequisites
2. Failure to meet graduation requirements.
3. Change in college or career plans.
4. Course changes due to completion of summer school.
5. Inappropriate level placement.
6. Students earning a failing grade from the teacher the previous year.
7. Incomplete Schedule - not enough classes listed on schedule.
8. Schedule Conflict – two of the student's selected courses are offered only during the same block.

Criteria for schedule changes after the start of school:

1. Extenuating circumstances, such as hardship or extended illness.

2. Changes in a course or a course level, if appropriate, are considered. The student, teacher, or parent may initiate the discussion for a course level change. In any case, and prior to any determination, the teacher, student, and parent must first have a conversation to determine the appropriate recommendation, and all three parties must sign a course level adjustment form which must be obtained from the guidance counselor. Academy leaders and counselors are involved as needed.
3. Course level changes must be completed as soon as possible in the semester.
4. Courses may not be changed or added after the second week of school.
5. Courses dropped after the fourth full week of school will result in a grade of W/F (withdraw/fail) on the student's transcript.
6. Requests for teacher changes will not be honored.

Penn High School Graduation Requirements

Please see the Graduation Requirement Charts for specific requirements.

Students may use the courses listed in the Penn High School Program of Studies that have been approved by the P-H-M School Board when completing the 40 credits required for graduation. Also, the board recognizes courses approved by the College Board, the Elkhart Area Career Center, as well as college and university courses for which students receive dual credit, and courses as specified by Indiana Code.

Penn High School will offer courses it deems relevant to the educational goals of the Penn-Harris-Madison School Corporation. These offerings will be contingent upon budgetary constraints, staff availability, and minimum student enrollment for such courses. The board directs the administration to develop guidelines for minimum student enrollments and procedures by which such guidelines will be implemented and followed.

High School Courses Taken In Middle School

High School courses offered to middle school students are meant to supplement middle school course offerings and to prepare students for four more years of rigorous high school coursework. The Indiana State Board of Education does not restrict high school credit to course work completed in Grades 9 through 12. Schools may elect to award high school credit to students who complete high school courses before entering Grade 9 if the course is fully equivalent to its high school counterpart. Parents may choose to have high school courses taken before grade nine voided from their student's high school transcript. If parents choose this option, the student will not be given the opportunity to repeat the course at the high school level.

Indiana Core 40 Expectations

In the State of Indiana, all students entering the ninth grade are encouraged to work toward completing the requirements of a Core 40 diploma at a minimum. All Penn High School students are expected to meet the requirements of the Core 40 diploma. The Core 40 is a directed set of high school courses that will help prepare students for success, whether pursuing a career that requires four or more years of college, one or two years of post-secondary education in a business or technical college, or training through an apprenticeship program. **Indiana's Core 40 is the default diploma for all Indiana High School students.**

- Students must complete the Core 40 to be considered for admission to Indiana's four-year colleges, and the same courses are strongly recommended for admission to a two-year college or entry into the workplace.
- Students who complete the Core 40 requirements with a 2.0 GPA and who qualify for need-based financial aid may qualify for additional aid from the State of Indiana.
- Most Penn High School students take additional electives beyond their 40 required credits. Some courses not specified by Core 40 may be essential for successful completion of required academic studies.
- Please check specific colleges and universities for their world language requirements as well as their specific admissions requirements. While a world language is not a requirement for the Core 40, it may be a requirement for admission to some post-secondary institutions.
- For more details see the Graduation Requirements charts on the pages that follow.

Core 40 with Academic Honors Diploma

The Indiana State Board of Education has established a Core 40 with Academic Honors Diploma. The diploma is intended to bring honor to those students who choose challenging courses and accumulate at least 47 credits in high school. To be eligible for this diploma, a student must have a grade point average of "B" (3.0) or above. No grade lower than a "C" in a required class may count toward the diploma. A gold seal is placed on the diploma and the student's transcript notes the awarding of the Academic Honors Diploma.

- Students must be fully eligible at the end of the 7th semester in order to wear the academic honors hood at senior recognition night and commencement.
- In the area of world language, students must take three years of one language or two years of one language and two years of another language.
- Students who earn less than a C in a required class may replace the grade in that class by retaking the class with a Penn teacher. Online courses do not replace the grade for AHD purposes.
- For more details see the Graduation Requirement Chart for Core 40 with Academic Honors Diploma.

Core 40 with Technical Honors Diploma

The Indiana State Board of Education has established a Core 40 with Technical Honors diploma. The diploma is intended to bring honor to those students who complete Core 40 requirements and a career-technical program. To be eligible for this diploma, a student must have a grade point average of "B" (3.0) or above. No grade lower than a "C" in a required course may count toward the diploma.

For more details see the Graduation Requirement Chart for Core 40 with Technical Honors Diploma.

General Diploma

The core 40 is Indiana's graduation requirement. To graduate with less than Core 40, the following formal opt-out process must be completed:

- The student, parent/guardian and counselor must meet to discuss the student's progress, career and course plan.
- At this meeting, the parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.
- If the decision is made to opt-out of Core 40, the parent/guardian and counselor will sign a Diploma Track Change form. The form will be kept on file in the Counseling Center.

Please refer to the Indiana General High School Diploma chart for further information about the general diploma.

Indiana General High School Diploma

Indiana's Core 40 curriculum provides the academic foundation all students need to succeed in college and the workforce.

To graduate with less than Core 40, the following formal opt-out process must be completed:

The student, the student's parent/guardian, and the student's counselor (or another staff member who assists students in course selection) meet to discuss the student's progress.

* The student's career and course plan is reviewed.

The student's parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.

If the decision is made to opt-out of Core 40, the student is required to complete the course and credit requirements for a general diploma and the career/academic sequence the student will pursue is determined.

Course and Credit Requirements

English/Language Arts	8 credits
	English 9, English 10, English 11, English 12
Mathematics	4 credits
	2 credits: Algebra I 2 credits: any math course
Science	4 credits
	2 credits: Biology I 2 credits: any science course
Social Studies	4 credits
	2 credits: U.S. History 1 credit: U.S. Government 1 credit: any social studies course
Physical Education	2 credits
Health and Wellness	1 credit
Career Academic Sequence*	6 credits
Flex Credit	5 credits

	<p>To earn 5 Flex Credits a student must complete one of the following:</p> <ul style="list-style-type: none"> • Additional courses to extend the career academic sequence • Courses involving workplace learning, which may include the following courses: • Career exploration internship • Professional career internship • Business cooperative experiences • Cooperative family and consumer sciences • Industrial cooperative education • Interdisciplinary cooperative education • Marketing field experience • High school/college dual credit courses • Additional courses in: • Language Arts • Social Studies • Mathematics • Science • World Languages • Fine Arts
Electives**	6 credits
40 Total State Credits Required	

* Career Academic Sequence – Selecting electives in a deliberate manner to take full advantage of career exploration and preparation opportunities.

** Specifies the number of electives required by the state. High school schedules provide time for many more electives during the high school years.

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

(updated 6/15/06)

CORE 40

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.</i> <i>Students must take a math or quantitative reasoning course each year in high school.</i>
Science	6 credits
	2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	6 credits
	2 credits: World History/Civilization or Geography/History of the World 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics
Directed Electives	5 credits
	World Languages Fine Arts Career and Technical Education
Physical Education	2 credits
Health and Wellness	1 credit
Electives*	6 credits (College and Career Pathway courses recommended)
40 Total State Credits Required	

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

* 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 exploration and preparation opportunities.

CORE 40 With Academic Honors *(minimum 47 credits)*

For the Core 40 with Academic Honors diploma, 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 priority course list
 - C. Earn 2 of the following:
 - 1. A minimum of 3 verifiable transcribed college credits from the priority course list.
 - 2. 2 credits in AP courses and corresponding AP exams.
 - 3. 2 credits in IB standard level courses and corresponding IB exams.
 - D. Earn a combined score of 1750 or higher on the SAT critical reading, mathematics and writing sections and a minimum score of 530 on each
 - 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.

CORE 40 with Technical Honors *(minimum 47 credits)*

For the Core 40 with Technical Honors 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:
 - Pathway designated industry based certification or credential, or
 - Pathway dual credits from the lists of priority courses resulting in 6 transcribed college credits
- Earn a grade of “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following:
 - A. Any one of the options (A-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.

Smaller Learning Communities (SLCs)

Penn High School has six Smaller Learning Communities (SLCs). The benefits of our SLCs include:

- Increased student attendance
- Increased student engagement
- Greater student achievement
- Increase in student positive behavior

Freshman Academy

The Freshman Academy at Penn High School has been in place for over a decade. It was established with the purpose to help students acclimate to a large high school while giving smaller learning community support to ensure that all students thrive, graduate, and feel part of the greater school community. Penn High School can offer students the opportunities of a large school, with the personalization and strong relationships of a small school. Students are placed within teams and share the same core teachers (Math, English, Biology and Geography). Freshmen are encouraged to explore their interests and sign up for a large array of electives. The teacher teams utilize a common time to meet and discuss student concerns while looking to grow professionally in the context of the whole child. This endeavor is supported by dedicated freshmen counselors. The transition to high school is assisted by upperclassmen who work as freshman mentors meeting with freshmen in small groups throughout the first semester. Each core subject teacher meets in a professional learning community (PLC) to develop academically appropriate lessons as well as formative and summative assessments. All teachers are further supported by a reading coach, a math enrichment coach, and a literacy specialist. Adding to this professional team are physical education teachers who help with structuring fitness and movement to improve cognition. From the first day of school, students know they are part of a smaller learning community at Penn. They develop an identity and forge relationships with adults and students within their house.

Achievement Academies

After the freshman year, students choose one of four achievement academies, the Health and Human Services Academy, Fine Arts and Communications Academy, Science, Technology, Engineering and Math (STEM) Academy or the Management and Business Academy. We know that students in these academies will also realize the same benefits they saw in the freshman academy. The achievement academies were designed by students, parents, teachers, administrators, and community members to help students bridge the gap between high school and the myriad of post-secondary options. Each of the achievement academies will help students concentrate their efforts on making a meaningful senior year with classes and projects designed specifically for each student. During the scheduling process each freshman will elect one of the four academies:

- The Fine Arts and Communications Academy
- The Health and Human Services Academy
- The Management & Business Academy
- The Science, Technology, Engineering and Math (STEM) Academy

The Achievement Academies at Penn High School have been designed to bring focus, rigor and relevance to students' high school course of study. Based on Federal and State Career Pathways models, students may choose one of four academies in which to study their sophomore, junior and senior years. Students will begin to consider the focus of their high school education when they complete their four year plan in the eighth grade. Students will choose their desired diploma-Core 40, Core 40 with Academic Honors, or Core 40 with Technical Honors and select courses that meet those requirements. Students will select their Penn Achievement Academy in Preparing for College and Careers (PCC) class.

Selection of an academy will not limit the courses a student may take. Students in each academy will be supported by a group of teachers in that academy, as well as community partners, to create an individualized learning plan that helps each student with his/her post-secondary goals.

Students will be required to take a minimum of one elective within an academy per semester, beginning their sophomore year. Most students will select additional courses within their chosen academy to individualize their education to specific pathways related to post-secondary plans. Students will be encouraged to seek

Capstone Courses and Work-Based Learning experiences, which include Registered Apprenticeship, Cooperative Education, Internship, School Based Enterprise, or Service Learning.

Early College Academy

The Penn Academy for Early College is a program designed to offer students a unique opportunity to begin working toward college requirements while simultaneously fulfilling graduation courses at Penn High School. Penn High School is partnered with Ivy Tech Community College to offer a selection of courses, including dual credit courses, that can potentially earn a student college credits up to an Associate's Degree by the time the student graduates from Penn High School. The yearly sequence of courses for the Penn Academy of Early College student is specific and required. Students may select any elective courses when available.

The Penn Academy for Early College serves the needs of students who need extra support and guidance in order to prepare and pursue post-secondary educational opportunities. Most students are identified as potential candidates for this program in middle school based on specific criteria. Students may only select courses in the academy if they are members of the academy at the beginning of their freshman year. The Penn Academy for Early College is a four-year commitment.

Work-Based Learning

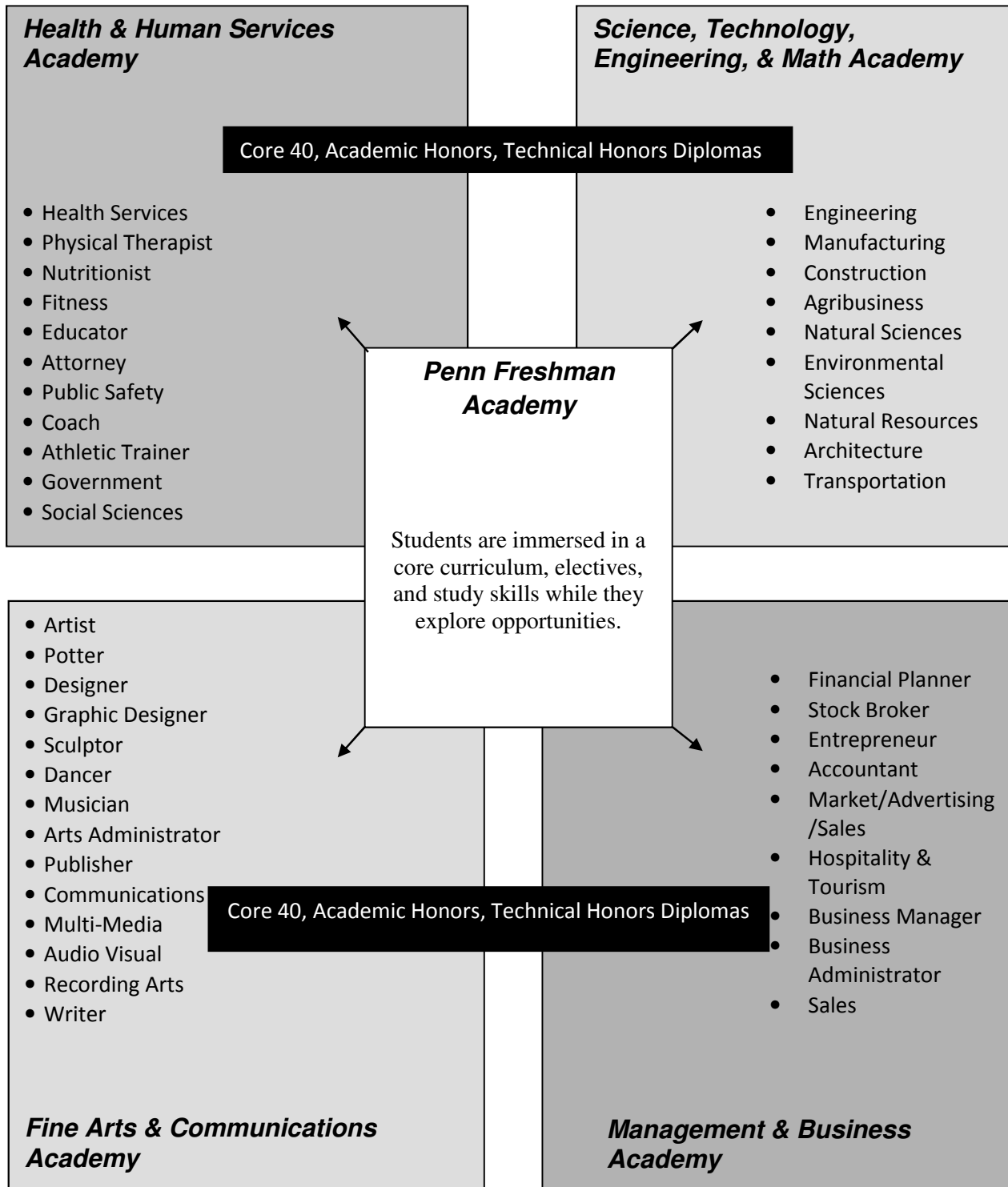
Penn High School encourages students to explore career pathways, and choose courses on a pathway that aligns with their future interests and post-secondary ambitions. Juniors and seniors who have earned a minimum of 4 credits on a related pathway have the opportunity to participate in Work-Based Learning (WBL). These experiences can include both inside and outside of the building components. Examples of WBL are:

- Registered Apprenticeship
- Cooperative Education
- Internship
- School-Based Enterprise
- Service Learning

Students may apply in the Counseling Office. Please be prepared to self-report the pathway courses you have completed, which qualify you for this experience.

A student's four year plan will include these areas:

Grade 9	Grade 10	Grade 11	Grade 12
<i>Freshman Academy</i>	<i>Achievement Academy</i>	<i>Achievement Academy</i>	<i>Achievement Academy</i>
English 9 (Honors)	English 10 (Honors)	English 11 (Honors, AP)	English 12 (Honors, AP, Ivy Tech)
Math (Honors)	Math (Honors)	Math (AP)	Math/Elective (ACP/AP)
Biology (Honors)	ICP or Chemistry (H)	Science	Science/Elective
Geography & History of the World (Honors)	Health/Elective	US History (AP/ACP/Ivy Tech)	Government/Economics (AP/ACP/Ivy Tech)
Physical Education	AA Elective	AA-Elective	AA-Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Study Hall/PCC & Intro to Communications	Study Hall/Interactive Media	Study Hall/-Work-Based Learning	Study Hall/Work-Based Learning



Graduation Exams

The following is the information released from the Indiana Department of Education. More information will be made available as it is released.

- Beginning with the class of 2019, students will be required to take ISTEP+ exams in math, English, and science. All students in grade 10 will take the math and English ISTEP+ and any student enrolled in Biology I, regardless of grade, will take the science ISTEP+. Passing the math and English ISTEP+ exams will serve as a graduation requirement for students.
- End-of-Course Assessments (ECAs) in Algebra I and English 10 will continue to serve as the graduation requirement for students in the 2017 & 2018 cohort.

Remediation Policy for Graduation Exams or ISTEP+/ECA to replace ECA

The Penn-Harris-Madison School Corporation is committed to providing additional services to students who demonstrate academic deficiency. Students whose performance levels on the ISTEP+ or End of Course Assessment fall below the proficiency level as set by the State of Indiana are considered to be at risk of not meeting graduation requirements. Additionally, students who show poor progress on off-level testing and in academic performance in the classroom are also at risk and need to be provided additional educational opportunities.

Students entering the ninth grade who have scored below the mathematics standard will be required to enroll in a specific program designed to meet basic math skills.

Students who have not passed their graduation ISTEP+ or ECA's will be required to participate in specific remedial activities designed to improve their scores.

Assessment Philosophy

All students should know that:

- They will receive grades that are based upon multiple forms of assessment, such as tests, quizzes, projects, reports, collaborative work, presentations, laboratory reports and writing assignments.
- The way grades will be determined will be explained at the beginning of the course and with each assignment.
- Assessment practices will measure the extent to which a student has attained the standards of the course.
- They will have opportunities to produce work of which they are proud and, at the teacher's discretion, opportunities will be given for self-correction and resubmission of work.
- They will have opportunities to know which test items they missed and why their answers were unacceptable.
- They will receive ample feedback to know how well they are doing and whether they should make changes in what they are doing.

Grading Standards for Penn High School

- Student progress may be monitored by using the Penn Home Access Center (HAC).
- Report cards are issued at the end of each semester. The letter grades listed below are used to designate the student's progress.
- Only semester grades are recorded on the permanent record and student's official transcript.
- Penn High School is on a four point system to determine grade point average and all course grades are included in the grade point average.

GRADE	GRADE POINT VALUE
A	4.0
B	3.0
C	2.0
D	1.0
F	0.0
W/F	0.0
N	Not calculated

Weighted Grades

Advanced Placement® (AP®) courses will be weighted on a 5.0 scale when students received a 3, 4 or 5 on the corresponding AP examination. Advanced College Project (ACP) courses will also be weighted on a 5.0 scale when students earn an A, B or C for the semester. Dual-credit classes and certain designated classes will be weighted on a 4.5 scale.

AP and ACP classes will be weighted as follows:

GRADE	GRADE POINT VALUE
A	5.0
B	4.0
C	3.0
D	N/A
F	N/A

The following courses will be weighted on a 5.0 scale for the 2017-18 academic year:

- All Advanced Placement® (AP®) courses
- All Advance College Project (ACP) courses

Students must complete weighted courses with a grade of 'C' or better and complete the accompanying exam or performance assessment in order to receive the weighted credit.

Dual-credit classes and certain designated classes will be weighted on a 4.5 scale.

The following courses will be weighted on a 4.5 scale for the 2017-18 academic year:

- Symphonic Winds
- Symphonic Choir
- Advanced Orchestra
- Advanced Jazz Band
- Medical Statistics
- All dual-credit classes
- Automation Robotics I and II and FIRST Robotics Internship

Students must complete weighted courses with a grade of 'C' or better and complete the accompanying exam or performance assessment in order to receive the weighted credit.

GRADE	GRADE POINT VALUE
A	4.5
B	3.5
C	2.5
D	N/A
F	N/A

Advanced Placement® Designation

In order to receive weighted credit and Advanced Placement® designation on transcripts, students must successfully complete both semesters of the Advanced Placement® course and complete the Advanced Placement® examination in that course and complete the Advanced Placement® examination in that course. Students who choose to take an AP® course outside of Penn must also take the corresponding AP® examination and earn a 3, 4 or 5 to receive weighted grade/credit.

Incompletes Due to Excessive Absences

Students who receive a grade of "Incomplete" must complete necessary make-up work no later than the first ten days of the subsequent grading period. Students who receive a grade of Incomplete because of prolonged illness or unusual circumstances must obtain approval from the Director of Guidance before the end of the ten-day period to extend the deadline.

Withdrawing from a Course

Any course withdrawals after the fourth full week will of the semester result in a grade of "W/F" (Withdraw/Fail).

Course Repeats

A student may want to repeat a course for no additional credit to meet necessary prerequisites in order to continue with the next course level in a sequence of courses. A student who receives a grade below a C may retake a course to re-qualify for the Academic Honors Diploma. The repeated course is also calculated in the GPA but credit is earned only once for a course.

Report Cards

Report cards are issued soon after the close of each semester.

Summer School

Summer school information will be listed on our Penn High School website as it becomes available. Please visit us there at penn.phmschools.org.

Home Access Center (HAC)

Parents have access to the Home Access Center (HAC) on their personal computer. A password for the site is issued by the school. Both grades and attendance information are available to you with HAC. Access HAC through this link: <http://esphac1.phm.k12.in.us/homeaccess>.

Commencement Participation Policy

Students must be within seven credits of completing all graduation requirements by the end of the first nine weeks of the second semester of their senior year to participate in the commencement ceremony.

NCAA and NAIA Eligibility Centers

- Register with the Eligibility Center in the junior year.
- Policies are different for all Divisions I, II, III, NAIA.
- The NCAA Eligibility Center covers Division I and II only.
- Students can pick up materials in the Counseling Center Career Resource Room.

Please consult the NCAA Clearinghouse web page for the most current information about preparing to participate in Division I or II college sports at: www.eligibilitycenter.org

NAIA information can be found at: www.playnaia.org

Penn High School CEEB Code: 152347

COUNSELING SERVICES

Web Address: <http://penn.phmschools.org>

Mission Statement

In partnership with parents and the community, the Penn High School Counseling Center is committed to keeping students a priority and focusing on their health, well-being and educational growth. Through activities and programs, our students will find the services they need to pursue goals in their future. It is our goal to help students become responsible, contributing citizens.

Your Counselors

Penn High School has ten counselors. Two are assigned to our Freshman Academy, while the other six are assigned alphabetically to the upper three classes. Our Director is the counselor for students in alternative education settings - Pennway and Night School. All of the counselors at Penn High School meet the standards and licensing requirements for *School Counselor* by the State of Indiana, hold a master's degree in Counseling and keep their licenses current. Two staff members are licensed by the Indiana Health Professions Bureau as Mental Health Counselors.

Please visit us on the Web to learn more about Counseling Services at Penn.

SAT® and ACT

Traditional four-year colleges currently require the SAT® or ACT as part of their admissions process.

Registration for either test may be completed by using the paper registration form or by using the online registration service at collegeboard.com for the SAT® or act.org for the ACT.

- **Registration, test dates and test sites are determined by the testing companies. They develop and score their own tests.**
- A description of each test and a comparison of the two tests can be found on the Counseling page of the Penn-Harris-Madison website.
- We advise juniors who are currently taking geometry to take the SAT®/ACT in the spring of their junior year.
- We advise juniors who have already completed geometry to take the SAT®/ACT any time during the junior year.
- If you have a question about your registration, scoring or score reports contact the College Board or ACT directly.
- Students who have an Individual Education Plan (IEP) must complete a College Board/SSD or ACT accommodations request application two to three months before a test date. This procedure will be a point of discussion at annual case conferences.
- Test scores are sent to the student and the four colleges the students request on their registration form.
- When applying to colleges and universities the student is responsible to contact ACT.org or Collegeboard.com to request that the scores be sent. Scores are not on the Penn transcript.
- Students are advised to be at the test site early with sharpened pencils, a picture ID and proof of registration.
- No electronic devices are permitted during testing.
- Athletes must report SAT® or ACT scores directly to the NCAA Eligibility Center. Use the '9999' number under the 'sending scores area' in the school section of the registration form so that your "official scores" will be sent to the Eligibility Center. The Eligibility Center will no longer accept scores from the high school. For more information, go to the section on NCAA.
- In order to be formally recruited or to make an official campus visit a college must have your SAT® or ACT results and a high school transcript.

College Application Procedures

Penn High School participates in the Parchment electronic transcript service. This secure online system allows students to order transcripts online. Our staff sends the requested transcripts and the Secondary School Report to the colleges and universities requested by the student. All students sending transcripts must log on to Parchment from the PHM Counseling website and register. This is a free service. Students are notified when the transcript has been sent and when the transcript has been received.

• **You must allow 10 school days for the Secondary School Report portion of the eTranscript to be completed.**

Step 1 Fill out the application on-line.

Step 2 Log on to Parchment e-Transcript at the PHM website and register as a new student.

- Request that a transcript and a Secondary School Report (SSR) be sent to the school to which you are applying.
- Attached to this SSR will be a Penn High School Profile and letters of Recommendation if sent to our office electronically.

Step 3 If you have not already requested that the Collegeboard.org or ACT.org send your scores to this college, now. ACT/SAT® scores are not on the Penn High School Diploma.

AWARDS

Honor Roll

Students who earn between a 3.0 and a 3.49 grade point average with no grade below C are eligible for the Honor Roll.

High Honor Roll

Students who earn between a 3.5 and 3.99 grade point average with no grade below C are eligible for the High Honor Roll.

Academic Excellence

Students who earn a 4.0 grade point average are eligible for Academic Excellence.

Academic Letter

An academic letter will be awarded to all students with a cumulative GPA >3.50 after their fourth and sixth semesters. The letter, with a lamp of knowledge, will be white with black and gold trim. Qualifying students who received letters after the fourth semester will receive a chevron after the sixth semester. The chevrons will match the academic letter in color and design.

Academic letters will be presented in a public ceremony every January or February.

National Honor Society

Teachers at Penn participate in the selection of students that are juniors or seniors for National Honor Society, a national organization for the recognition of outstanding students. Membership in National Honor Society is an honor and is based equally upon scholarship (3.5 minimum), leadership, service and character.

Graduation with High Honors

Students are eligible to be recognized as a graduate with High Honors based upon earning a 3.5 or above Cumulative GPA with no grades below a C. Students must be fully eligible at the end of the 7th semester in order to be recognized at senior recognition night and commencement.

Scholarships

A large number of Penn students seek scholarships each year. Students and parents annually are given information concerning the College Entrance Examination Board and the National Merit Scholarship Qualifying Test (PSAT/NMSQT®). We strongly recommend that juniors take the PSAT and the SAT. Sophomores are encouraged to take the PSAT as well. The junior year PSAT test is the only qualifying test for the National Merit Scholarship Competition.

Colleges, businesses and industry, as well as civic, fraternal and educational groups offer other scholarship opportunities. In each of the past two years, Penn students have gathered over two million dollars in scholarship monies. Some of the awards require an examination; others require a written application or an interview. Students should consult with their counselor and visit the Scholarship area in the College/Career Resource Center for more information. A list of scholarship applications available in the CCRC is available at the Guidance Web page. **Students and parents are encouraged to do their own free scholarship search on any one of a number of scholarship sites available on the Internet.**

SPECIAL PROGRAMS

Early Graduation

Any student who wishes to graduate early must confer with their parents and counselor. Parents will be asked to send written permission that includes their approval, signature and date. Junior courses (English 11 and US History) will be completed in summer school prior, or Night School during, the student's final year of high school.

There is a new scholarship for students who graduate from a publicly supported high school at least one year early, after December 31, 2010. The Mitch Daniels Early Graduation Scholarship awards student who qualify \$4,000 toward tuition and fees, and can be used at any eligible Indiana college.

Penn Advanced Career and Technical Education (CTE) College Credit Program

(A College Based Dual Credit Program – See *Penn Advanced CTE Program Section of Program of Studies*)

Penn students may participate in a supplemental postsecondary educational program if eligibility requirements are met. A junior or senior attending Penn High School may enroll in postsecondary credit classes at approved institutions and earn high school credit as well as post-secondary credit. Counselors will provide students with information on the application procedure if the following criteria are met. Accelerated College classes are weighted on a 4.5 scale.

Advanced Placement (AP®)

"AP® and Advanced Placement® are registered trademarks of the College Board. Used with permission."

Advanced Placement® courses are taught at the college level. They afford ~~eleventh-grade and twelfth-grade~~ students an opportunity to earn high school credit as well as college credit and/or appropriate placement at the college level. In order to earn college credit, a student must attain a specific score on a national standardized examination, and attend one of the many colleges and universities who recognize students' participation in the College Board's Advanced Placement Program®. By selecting an AP® class during spring scheduling a student is making a firm commitment to complete this course the following school year.

Students enrolled in an AP® course are required to take the related national Advanced Placement® examination in the spring.

The fees for 2016-17 Advanced Placement® exams are \$92.00. These are determined and set each year by The College Board®. AP courses are weighted on a 5.0 scale.

The following AP® courses are *typically* offered at Penn High School:

AP® English Language and Composition
AP® English Literature and Composition
AP® Calculus AB
AP® Calculus BC
AP® Computer Science
AP® Statistics
AP® Biology
AP® Environmental Science
AP® Studio Art
AP® Spanish Language
AP® Chemistry
AP® Physics I (C: Mechanics)
AP® Physics II (C: Electricity and Magnetism)
AP® Economics; Micro and Macro
AP® U.S. Government & Politics
AP® Comparative Government & Politics
AP® U.S. History
AP® European History
AP® Human Geography
AP® Psychology
AP® Music Theory
AP® Art History
AP® Chinese

Advance College Project (ACP)

ACP courses are weighted on a 5.0 scale. (High School-based courses offered for dual credit through Indiana University)

ACP Cadet Teaching Experience
ACP Advanced Cadet Teaching
ACP Advanced Business Management
ACP Finance
ACP US History
ACP US Government & Politics
ACP Biology
ACP Calculus M215
ACP Calculus M216
ACP Business Calculus M119
ACP Composition W131
ACP Literature L202

Project Lead the Way Classes

The classes listed below will meet the dual high school/college course credit requirement. The classes also meet the requirements for the Academic Honors Diploma, Technical Honors Diploma and the Core 40 Diploma directed electives.

All PLTW classes are based on national standards for math, science, communications and technology. Additional information can be found on the Project Lead the Way Website PLTW.org.

Elkhart Area Career Center (EACC)

The Elkhart Area Career Center offers a variety of career and technical education programs intended to provide the student with the skills necessary to directly enter the job market after graduation or provide preparation for more advanced study at a technical school. The programs are available only to juniors and seniors. Tuition for the Elkhart Area Career Center programs is paid for by the PHM system. Once a student commits to an EACC program it is expected that they finish the year.

Interested students need to:

- Return a completed application to the Penn Counseling Office. Applications are available in the Guidance Office.
- (First Year Students Only) Attend the EACC Open House. The open house is intended to inform students of the available programs and to help the student make an informed decision about making this type of commitment.
- Be aware of equipment, supplies and uniforms, which might be required for the course for which they are applying. Financial assistance is available.
- Make sure that their schedule for class in the upcoming school year includes the Elkhart Area Career Center.

Acceptance into the EACC program will be based upon space availability, academic progress, attendance and behavior. Students must apply annually to the EACC for acceptance.

A detailed description of the courses offered at the Elkhart Area Career Center is available in the reception area of the Counseling Office.

Elkhart Area Career Center Program Clusters

Go to www.myeacc.org for detailed information. Course numbers listed are AM/PM classes.

Business Technology

- **Computer Networking/PC Maint. I & II 1433/1434-1533/1534** (DOE course: *Computer Technology Support I - 5230 & Networking II-Servers II - 5257*)

Graphics and Media

- **Commercial Photography I & II 1405/1406-1505/1506** (DOE course: *Commercial Photography - 5570 & Graphic Design & Layout - 5550*)
- **Graphic Design I & II 1413/1414-1513/1514** (DOE course: *Graphic Design & Layout/Graphic Imaging & Technology - 5550/5572*)
- **Audio/Video Production I & II 1421/1422-1521/1522** (DOE course: *Radio & Television I & II- 5986/5992*)

Manufacturing and Engineering

- **CAD/CAM (Drafting) I & II 1439/1440-1539/1540** (DOE course: *Architectural Drafting & Design I & II - 5640/5652*)
- **Machine Shop 1407/1408-1507/1508** (DOE course: *Precision Machining I & II - 5782/5784*)
- **Welding 1419/1420-1519/1520** (DOE course: *Welding Technology I & II - 5776/5778*)
- **Automation & Robotics I & II 1493/1494-1593/1594** (DOE course: *Industrial Automation & Robotics I & II - 5610/5612*)

Service Industry

- **Intro to Health Careers 1427/1428** (DOE course: *Health Science Education I - 5282*)
- **Medical Assisting I & II 1411/1412-1511/1512** (DOE course: *Health Science Education I & Health Science II - Special Topics - 5282/5286*)
- **Early College: Health Care Specialist I & II 1455/1456-1457/1458** (DOE course: *Health Science II Special Topics 5286/Emergency Medical Services - 5210*)
- **CNA Preparation 1445/1446** (DOE course: *Health Science II-Nursing - 5284*)

- **Early Childhood Education I & II 1431/1432-1531/1532** (DOE course: *Early Childhood Education I & II - 5412/5406*)
- **Cosmetology I & II 1401/1402-1501/1502** (DOE course: *Cosmetology I & II 5802/5806*)
- **Firefighting 1486/1487** (DOE course: *Fire & Rescue I - 5820*)
- **Emergency Medical Technician 1488/1489** (DOE course: *Emergency Medical Services - 5210*)
- **Law Enforcement 1491/1492** (DOE course: *Criminal Justice I - 5822*)
- **CSI: Crime Scene Investigation 1467/1468** (DOE course: *Criminal Justice II Advanced - 5824*)
- **Culinary Arts I & II 1415/1416-1417/1418** (DOE course: *Culinary Art & Hospitality I & II - 5440/5346*)
- **Dental Health Careers 1470/1471** (DOE course: *Dental Health Careers - 5203*)
- **Floral Design & Event Planning 1409/1410-1509/1510** (DOE course: *Horticulture Science I & Horticulture Science II/Landscape Management II - 5132/5137*)
- **Creative Landscaping 1435/1436-1535/1536** (DOE course: *Landscape Management I & II 5136/5137*)
- **Veterinary Careers I & II 1443/1444-1543/1544** (DOE course: *Veterinary Careers I & II - 5211/5212*)

Transportation

- **Automotive Service Technology I & II 1478/1479-1480/1481** (DOE course: *Automotive Service Technology I & II - 5510/5546*)
- **Automotive Refinishing 1497/1498** (DOE course: *Automotive Collision Repair II - 5544*)
- **Motorcycle/Outdoor Power Technology I & II 1423/1424/1523/1524** (DOE course: *Recreational & Mobile Equipment I & II - 5842/5844*)
- **Diesel Service Tech I & II 1451/1452-1551/1552** (DOE course: *Diesel Service Technology I-5620*)
- **Automotive Collision Repair 1453/1454** (DOE course: *Automotive Collision Repair I - 5514*)

Construction

- **Construction Trades I & II 1466/1464-1566/1564** (DOE course: *Construction Trades I & II 5580/5578*)

Code of Conduct

Students enrolled in courses that involve extra-curricular activities are subject to the terms of the Penn High School Code of Conduct. Students found in violation of the Code of Conduct will not suffer grade penalties. However, they may be subject to consequences detailed in the Code of Conduct.

Student Assistants

A junior or senior in good standing may help a teacher during one block in place of their study hall. Students should apply through the Counseling Center prior to scheduling. No credit is awarded. This is a volunteer position. Good grades and a clean disciplinary record are required. Not everyone who requests a student assistantship will be selected.

Student Interns (Course number 1850)

Juniors and seniors in good standing may work as a student intern in any of the offices at Penn. Application can be filled out in the Counseling Center. Interns receive credit and take their intern assignment as they would an elective class. Interns retain their study hall. Only students with unremarkable discipline and attendance will be considered. As part of this Work-Based Learning experience, students will complete a number of components resulting in a portfolio.

Kingsmen Tutor Internship

Kingsmen Tutor Internship provides students with opportunities to tutor peers and assist a teacher during the school year in the classroom. Tutors will receive training and attend monthly meetings with the Kingsmen Tutor Leaders 3-4 times per semester. The internship is considered volunteer experience earning approximately 70 volunteer hours per semester, if taken for no credit second semester. Many college admission offices and scholarship committees are looking for this kind of long term service. We strongly advise you to take this class as an elective, but it can also be taken in place of a study hall. The grade will be based on homework

assignments, attendance and teacher evaluations. Kingsmen Tutors will be placed in classrooms for various subjects including but not limited to foreign language, Algebra I and II, Geometry, Biology, ICP, English and Chemistry. As part of this Work-Based Learning experience, students will complete a number of components resulting in a portfolio.

Peer Leaders

Students (Grades 11-12) may earn 2 credits for work and interaction with students having moderate and severe disabilities. Students will provide 5 blocks over two weeks of in-class and/or community based instructions to disabled students under the personal supervision and direction of the course instructor or classroom teaching staff. A complete description of this course may be found in the Multidisciplinary Courses.

Foreign Exchange

Penn High School welcomes all foreign exchange students who live within the P-H-M school district. We believe that a foreign exchange program can do much to create a better understanding between young people of different countries. For enrollment of a foreign exchange student at Penn, it is necessary that the student is enrolled in a high school in his home country and is residing with a resident of the Penn-Harris-Madison school district. We also expect application in the spring prior to enrollment, with a deadline of May 1st. Foreign exchange students must enroll for the entire school year (August – June).

The staff at Penn High School stands ready to assist the foreign exchange student in any way possible to make the transition a comfortable one. Special effort will be made to enter the student into classes comparable with their ability and interest. It is expected that foreign exchange students are able to communicate in English. Students are encouraged to take electives in areas that may be new to them. Foreign exchange students receive a *Certificate of Attendance* at the end of the school year, not a Penn High School diploma. Foreign exchange students are always encouraged to take part in school activities-clubs, athletics, band and chorus, and other school wide events.

Several services not provided by the school to foreign exchange students include free lunches, books, class rings, yearbooks, caps and gowns and the cost of field trips. These are all provided by the host parent unless otherwise indicated. The school is not responsible for recruiting families from its area to provide homes for students.

Freshman Mentors

Upperclassmen interested in serving as role models and guiding freshmen through their first year of high school can apply to be part of the Freshman Mentor program. Each mentor is assigned a group of 5-6 freshman students whom they will get to know personally during the Freshman Connections class. Mentors participate in training sessions each semester in preparation for leading freshmen through a number of activities designed to build community and ease the transition into high school life. The program's focus on building positive relationships and life skills benefits peer leaders and freshmen alike. Applications are available through the freshman counselors in the Counseling Office.

Pharmacy Technician Training (Seniors only)

This program is presented in cooperation with the Extended Learning Services Program at IUSB, Memorial Hospital and Elkhart General Hospital.

1 Semester 1-2 Credits Grade 12

Tuition: Tuition will be free for Penn Students (Tuition is approximately \$790 and will be paid for each student).

Textbooks/Fees: Students must purchase their own textbooks and materials—approximately \$200. Students must also complete an application and provide a \$25 application fee.

Prerequisite: Pass pharmacy technician math test. Call 520-4261 to schedule this assessment test.

Other: Students must provide their own transportation. Classes will take place at South Bend Memorial Hospital or Elkhart General Hospital.

Classes meet 6-8:30 PM on 10 Mondays and Thursdays

High School Course Numbers

Student schedules are individualized. Students may enroll for one or two credits—depending upon the blocks available in the individual student schedule. Students are released from high school during the regular school day and will make-up the time during the evening Pharmacy Technician Classes.

Penn High School Course Numbers:

	<u>First Semester</u>	<u>Second Semester</u>
One Period (afternoon)	690	691
Two Periods (afternoon)	672	673
One Period (morning)	696	697
Two Periods (morning)	696 & 686	697 & 687

Additional Information regarding the Pharmacy Technician Program may be obtained by calling: the Division of Extended Learning Services at 520-4261.

This program has been designed and taught by experienced, practicing pharmacists. By successfully completing this class and paying a certification fee, you can become state certified upon graduation from high school. Successful completion of this class will qualify you for an “entry-level” position. This is not a college credit program—this is a Pharmacy Technician Certification Program.

Classes meet at IUSB or at a local hospital: Memorial Hospital or Elkhart General Hospital. Classes meet from 6-8:30 PM on 10 Mondays and 10 Thursdays. You are required to attend all classes. If, due to an emergency, you miss a class, it will be your responsibility to gather notes from other students to obtain the information you need. There will be no make-up quizzes for missed classes. A minimum grade of 65% on each exam will be required to pass the course. An overall grade of 70% is required to pass the course. IUSB requires 80% attendance to pass the course.

Current high school seniors will need to have your high school counselor submit a statement advising the Board of your academic performance as well as a copy of your current transcript.

The contents of the training program include specific training duties required to assist a pharmacist in the technical functions associated with the practice of pharmacy, and shall include, at a minimum the following:

- Understanding the duties and responsibilities of the technician and the pharmacist, including the standards of patient confidentiality and ethics governing pharmacy practice
- Tasks and technical skills, policies, and procedures related to the technician’s position
- Working knowledge of pharmaceutical-medical terminology, abbreviations, and symbols commonly used in prescriptions and drug orders
- Working knowledge of the general storage, packaging, and labeling requirements of drugs, prescriptions, or drug orders
- Ability to perform the arithmetic calculations required for the usual dosage determinations
- Working knowledge and understanding of the essential functions related to drug purchasing and inventory control
- The record keeping functions associated with prescriptions and drug orders

Pennway Alternative School

Pennway Alternative day school offers a 9th-12th grade Core 40 diploma program in a smaller classroom setting across from Penn High School’s main campus. Participation is by counselor recommendation only.

Pennway Night School

The Penn-Harris-Madison School Corporation offers the Pennway Night School which provides coursework toward a high school Core 40 diploma for students over the age of 18 and beyond their senior cohort living in

or outside PHM boundaries. Night School provides a comprehensive core curriculum of AdvancED-approved courses delivered through the Plato software program. To qualify for the Pennway Night School, students must be 18 years of age or older and need a high school diploma. Individuals who have a GED, are currently enrolled at another high school and not beyond their graduation date are not eligible. The fee to enroll is \$25 at the time of this printing.

EXCEPTIONAL EDUCATION

Exceptional Education services are available to students who are eligible according to the Federal and State guidelines and who have current Individual Education Plans (I.E.P.s) specifying the type and amount of services to be provided. These services include, but are not limited to, the following:

Consultation Services

The student is served in the general education classroom with consultation and support from the exceptional education teacher. Accommodations are made individually through case conference decisions.

Resource Services

The student is served in the general education classroom but receives regular, direct support from the exceptional education teacher. Resource services can be provided for 20% of the school day or less.

Part-Time Exceptional Education Services

The student is served by an exceptional education teacher for 21% to 60% of the school day. Classes are offered in an exceptional education setting and taught by an exceptional education teacher.

Full-Time Exceptional Education Services

The student is served by an exceptional education teacher for more than 60% of the school day. Full-time programs are provided to students who have such significant exceptional education needs that they cannot benefit from instruction with only part-time support. Full-time services include three program options.

Applied Courses

Students who elect applied courses are served by an exceptional education teacher in an exceptional education setting. These courses contain modified curriculum. These courses on their own do not meet the state proficiency requirements for a diploma. These students are working on a vocational tract towards earning a Certificate of Completion.

The Functional Life Skills Program

This program is an activity/community based program designed to make students with significant disabilities as independent as possible within the school and community environments. Whenever appropriate, students receive their

training in general education settings with non-disabled peers. Students do not earn course credit toward a diploma but will receive a Certificate for Completion of the Individual Education Plan and participate in graduation ceremonies.

EXCEPTIONAL EDUCATION COURSE DESCRIPTIONS

APPLIED ENGLISH 9 and 10

Grade: 9 1201

Grade: 10 1203

2 Semesters 2 Credits

Prerequisite: Must be recommended in the Individual Education Plan

Fee: \$10.00

Paperback Purchase: \$20.00

COURSE DESCRIPTION: This course contains modified curriculum. This course is designed to give students the skills they need to fully understand the English language, as well as, the ability to read and interpret a variety of literature selections. Students analyze readings for content and meaning. This class is designed for students who need an alternative to the general education English 9 and 10 classes. Placement is made on the recommendation of the case conference committee. This course is for students working towards a Certificate of Completion.

APPLIED ENGLISH 11 and 12 1205/1207

2 Semesters 2 credits

Prerequisite: Must be recommended in the Individual Education Plan

Paperback Purchase: \$20.00

Fee: \$15.00

COURSE DESCRIPTION: This course is designed for those students in Exceptional education who need an alternative to the general education curriculum. Everyday English skills will be emphasized in the course. Placement in this course is made on the recommendation of the case conference committee. Students in this course are working towards a Certificate of Completion.

CORRECTIVE READING I, II & III
1283/1285/1287

2 Semesters 2 Credits

Prerequisite: Must be recommended in the Individual Education Plan

Fee: \$10.00

COURSE DESCRIPTION: This is a reading intervention course designed for students who have not passed the language arts portion of the ISTEP and whose scores on the NWEA levels test fall below grade level. Ongoing assessment data are used to effectively differentiate instruction. Reading decoding, comprehension, spelling and writing skills are taught using structured, systematic routines. This course serves as a reading remediation course as well as an elective course. Placement in the course is made on the recommendation of the case conference committee.

LEARNING STRATEGIES **1265**

2 Semesters 2 Credits Grades: 9-12

Prerequisite: Must be recommended in the Individual Education Plan

Fee: \$20

COURSE DESCRIPTION: This course is highly recommended for 9th, 10th, 11th, and 12th grade students with exceptional education needs. This is an elective course. It is designed to teach students a system of strategies to plan, execute and evaluate their performance on the academic expectations that they encounter at Penn High School. Students learn specific strategies to be independent learners. These strategies include ways to keep track of assignments, memory principles, paraphrasing, note-taking, paper writing, vocabulary, time-management, test taking and enhancing critical reading and writing skills. Teaching methodology emphasizes generalization of the strategies to the academic classes the students are taking. Students in this course are working towards a diploma.

**APPLIED GEOGRAPHY
AND HISTORY OF THE WORLD** **1209**

2 Semesters 2 Credits Grade: 9/10

Prerequisite: Must be recommended in the Individual Education Plan

Fee: \$8.00

COURSE DESCRIPTION: This course contains modified curriculum. This course is designed for those students in exceptional education who need an alternative to the general education Geography and History of the World course. This course will examine the human and physical geography of the seven continents of the world. Students will learn

map skills and vocabulary related to world geography. Placement is made on the recommendation of the case conference committee. This course is geared towards individual skill needs. Students in this course are working towards a Certificate of Completion.

APPLIED CIVICS **1213**

1 Semester 1 Credit Grade 12

Prerequisites: Must be recommended in the Individual Education Plan

Fee: \$7.50

COURSE DESCRIPTION: This course contains modified curriculum. This course is designed to be paired with Money Matters. It is a course that outlines our government in a student friendly manner.

APPLIED MONEY MATTERS **1216**

1 Semester 1 Credit Grade: 11/12

Prerequisites: Must be recommended in the Individual Education Plan

Fee: \$7.50

COURSE DESCRIPTION: This course contains modified curriculum. This course is designed for those students in exceptional education who need an alternative to the general education Economics course. Students are acquainted with economic systems, supply and demand, consumer spending, and budgeting. Placement is made on the recommendation of the case conference committee. Students in this course are working towards a Certificate of Completion.

PRACTICAL MATHEMATICS I **1233**

2 Semesters 2 Credits Grades: 9-12

Fee: \$15.00

COURSE DESCRIPTION: This course contains modified curriculum. This course is designed for those students in special education who need an alternative to the general education mathematics courses. It focuses on developing math skills for real life situations such as measurement, money skills, time, basic addition and subtraction, and more. A variety of materials are used in individual and group instruction. This course is geared towards individual skill needs. Students in this course are working towards a Certificate of Completion. Students will be working on ISTAR standards.

PRACTICAL MATHEMATICS II 1231**2 Semesters 2 Credits Grades: 9-12****Fee: \$15.00**

COURSE DESCRIPTION: This course contains modified curriculum. This course is designed for those students in exceptional education who need an alternative to the general education mathematics courses. This course prepares students for the real life mathematics skills they will need on the job, in the community and at home. A variety of materials are used in both group and individual instruction. Students in this course are working towards a Certificate of Completion.

APPLIED BIOLOGY I & II 1237/1238**2 Semesters 2 Credits Grades: 9-10****Prerequisites: Must be recommended in the Individual Education Plan****Fee: \$10.00**

COURSE DESCRIPTION: This course contains modified curriculum, which focuses on the ISTAR assessment. This course is designed for those students who need an alternative to the general education science courses. Students explore the nature of science, structures and functions of living systems and changes in living systems. Students will learn content through interactive relationships between living organisms and the environment. Students will learn content through a multi-sensory approach with differentiated instruction based on student needs. Students may be recommended to take a second year in this course of study. Enrolled students are pursuing a Certificate of Completion.

CAREER INFORMATION 1266**2 Semesters 2 Credits Grades: 9-10****Prerequisites: Must be recommended in the Individual Education Plan****Fee: \$15.00**

COURSE DESCRIPTION: This course is highly recommended for freshman and sophomores with exceptional needs. It is designed to introduce students to many career fields and options, and to teach students to match their interests, abilities and lifestyle choices to compatible careers. Work maturity skills vital to successful employment are taught. Students create a personal resume, participate in classroom vocational activities, complete job interest surveys and develop interview skills. This class is a prerequisite for the Work Experience Program.

WORK EXPERIENCE**1239 1240 1241 1242****1243 1244 1245 1246****2 Semesters Variable credit Grades: 11-12****Prerequisites: Must be recommended in the Individual Education Plan.****Fee: \$10.00**

COURSE DESCRIPTION: These courses are designed to give students with special needs an opportunity to gain work experience through in school or in the community. This program provides the first opportunity for students to experience real world requirements for success in the workplace. Job coaching and frequent evaluations are used to teach students work maturity and job related skills. Placement is made on the recommendation of the case conference committee.

SN CLASSES

These classes contain a modified curriculum. They are designed to make students with significant disabilities as independent as possible within school and community environments. All courses in this section are for students completing a Certificate of Completion. Students receive a high level of support.

LIFE SKILLS (DAILY LIVING SKILLS) 2202**2 Semesters Grades: 9-12****Prerequisites: Must be recommended in the Individual Education Plan.****Fee: \$40.00**

COURSE DESCRIPTION: Students focus on community based instruction, basic survival skills, and personal independence. Students go on outings in the community including grocery stores, library and restaurants.

SN BIOLOGY 2200**2 Credits Grades: 9-12****Prerequisites: Must be recommended in the Individual Education Plan****Fee: \$10.00**

COURSE DESCRIPTION: This is typically a 2 year course (case conference decision). ISTAR curriculum is pursued. Standards are taught using a multi-sensory approach and differentiated instruction. A wide variety of materials are utilized to maximize student interest. Practical application will be a primary focus to promote independent living skills and personal safety in the community.

SN SOCIAL STUDIES 2208

2 Semesters 2 Credits Grades: 9-12

Prerequisites: Must be recommended in the Individual Education Plan

Fee: \$10.00

COURSE DESCRIPTION: Students develop skills on their personal environment, community and world around them. Instruction is centered on the development of individual student and their use of the resources available.

SN LANGUAGE ARTS 2204

2 Semesters 2 Credits Grades: 9-12

Prerequisites: Must be recommended in the Individual Education Plan

Fee: \$10.00

COURSE DESCRIPTION: Students develop reading and writing skills. Students are taught at their academic level and supported with a high amount of support. The class is focused on everyday Language Arts skills.

SN READING – NEWS TO YOU 2212

2 Semesters 2 Credits Grades: 9-12

Prerequisites: Must be recommended in the Individual Education Plan.

Fee: \$10.00

COURSE DESCRIPTION: Students receive focused instruction on reading through the use of current events. Specific curriculum is used to accommodate the individual student at their reading level. Creative and timely materials are used to engage all learners.

SN CLASS/STUDY HALL 2216/2218

2 Semesters 2 Credits Grades: 9-12

Fee: \$15.00

COURSE DESCRIPTION: All students at PHS must be in a study hall. This course helps students with more significant needs meet their IEP goals during their study hall time. Students will work on materials that are appropriate to their academic level.

SOCIAL SKILLS AND SELF-MANAGEMENT PROGRAM INDEPENDENT Study/Study Hall

1 or 2 Semesters Credits: variable Grades 9-12

Fee: \$5.00

COURSE DESCRIPTION: Students in the Exceptional Education program will gain credits through on-line learning. Students will be working on the credits needed as discussed in a case conference. Students will receive a high level of support.

MULTIDISCIPLINARY COURSES

DEVELOPMENTAL READING:

READ 180 WORKSHOP 0375

2 Semesters 2 Credits Grade: 9

Prerequisite: Test results, teacher referral, and counselor recommendation

Textbook Purchase: TBD

Supplemental Fee: \$8.00

COURSE DESCRIPTION: [IDOE 1120] Read 180 is a research-based program designed to “turn around” struggling readers. This course requires counselor placement determined by specific entrance criteria. The materials in this course are leveled for students at their current reading levels. This allows students to focus on comprehension and to develop stronger reading skills at their individual pace. The class focuses on improving reading fluency and comprehension, as well as enhancing vocabulary and spelling development and reading enjoyment. The Read 180 curriculum will build the foundation for the course. An emphasis on small group and individualized instruction will guide the format. This is an elective course; it does not satisfy the state English graduation requirement. This elective will help students start their educational careers here at Penn High School on a positive note and graduate with the reading, writing, and learning skills that will ensure their success beyond high school.

DEVELOPMENTAL READING:

CONTEMPORARY LITERATURE I 0355

2 Semesters 2 Credits Grade: 9

Prerequisite: Test results, teacher referral, and counselor recommendation

Supplemental Fee: \$8.00

COURSE DESCRIPTION: [IDOE 1120] This course is intended to support and enhance a student’s experience with the Penn High School Freshman Academy curriculum by helping students develop an understanding of themselves as readers and writers while acquiring the strategies used by highly effective readers and writers. The goal is to use contemporary, high-interest, accessible texts as the foundation around which and through which students build personal literacy identities and literacy processes. The goal is not to teach specific texts or to re-teach English 9 curriculum. Instead, students who leave this course will better understand themselves as readers and writers and, therefore, will be more strategic about how they approach reading, writing, and learning tasks. Armed with this newfound confidence,

students will find themselves more prepared to engage successfully with the many learning opportunities that are offered here at Penn High School. This is an elective course; it does not satisfy the state English graduation requirement. This elective will help students start their educational career here at Penn High School on a positive note.

DEVELOPMENTAL READING:

CONTEMPORARY LITERATURE II 0379

2 Semesters 2 Credits Grade: 10-12

Prerequisite: Test results, teacher referral, and counselor recommendation

Supplemental Fee: \$8.00

COURSE DESCRIPTION: [IDOE 1120] This course is intended to continue to support writers and therefore, will be more strategic about how they approach reading, writing, and learning tasks. Armed with this newfound confidence, students will find themselves more prepared to engage successfully with the many learning opportunities that are offered here at Penn High School. This is an elective course; it does not satisfy the state English graduation requirement. This elective will help students continue their educational career here at Penn High School and graduate with the reading, writing, and learning skills that will ensure their success beyond high school and enhance a student’s learning experience at Penn High School by helping the students develop a deeper understanding of themselves as readers and writers while acquiring the strategies used by highly effective readers and writers. The goal is to use contemporary, high-interest, accessible texts as the foundation around which and through which students build personal literacy identities and literacy processes. The goal is not to teach specific texts or to re-teach the English curriculum. Instead, students who leave this course will better understand themselves as readers and writers and therefore, will be more strategic about how they approach reading, writing, and learning tasks. Armed with this newfound confidence, students will find themselves more prepared to engage successfully with the many learning opportunities that are offered here at Penn High School. This is an elective course; it does not satisfy the state English graduation requirement. This elective will help students continue their educational career here at Penn High School and graduate with the reading, writing, and

learning skills that will ensure their success beyond high school.

PENN FIRST ROBOTICS INTERNSHIP 0677
(1st year)

PENN FIRST ROBOTICS INTERNSHIP 0678
(2nd year)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Application required

Fee: \$32.00

This course is weighted on a 4.5 scale.

(12th grade- (2nd year) only)

COURSE DESCRIPTION: [IDOE 5892] This course is offered as a 0 hour class. Students will report to class outside of the school day. Classes will meet at 7:30am on Gold Days and 3:30pm to 5:30 pm one day per week. This class is offered in conjunction with the Automation & Robotics I & II classes. Robotics Internship students participate in Penn's school-based enterprise "*The Black Knight*" FRC Robot in all facets of operations, including marketing, fundraising, and community outreach. Students that successfully complete both classes *Automation & Robotics* and *Penn FIRST Robotics Internship* will receive a weighted grade.

***Students should plan to take both Automation & Robotics as well as Penn FIRST Robotics Internship.**

PROFESSIONAL CAREER INTERNSHIP

1, 2 or 3 Blocks 1 or 2 Semesters

One Block: 1 credit per semester

0680, 0681, 0682, 0683, 0684, 0685, 0686, 0687

Two Blocks: 2 credits per semester

0674, 0675

Grades 11-12

Prerequisite: None (no application required)

Fee: \$3.00

Other: Students must provide their own transportation

COURSE DESCRIPTION: [IDOE *Work-based Learning*] Professional Career Internship is a career course that is designed to provide opportunities for students to explore careers that require additional degrees, certifications or training beyond high school. The emphasis of the experience is on applying skills developed through instruction from an adult mentor and learning new career competencies at the internship site. Activities can be tailored to the unique needs and interests of the students. Internships may be paid or unpaid. A teacher monitors students in their field experiences. Students should enroll in the Internship class because the program provides an

opportunity for a student to experience all aspects of "real world" requirements for success and the program is a means of linking academic learning with career and community experiences.

PENN ADVANCED CTE COLLEGE CREDIT PROGRAM 0690-0691

(A College-Based Dual Credit Program)

1 or 2 Semesters Grades: 11-12

Credit: Students will receive both high school and college credit - 1-4 credits

Students may enroll in Advanced CTE College Credit for 1, 2, 3 or 4 periods. Student schedules are individualized according to the student's interests.

Textbook: Varies by Course - Student is responsible for cost of books

Fee: Tuition, fees, and book cost will be paid to the college (varies by college and program)

Other: Students must provide their own transportation

*** Complete details are listed in the Penn Advanced CTE College Credit Program section.**

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5238] Students have the opportunity to enroll in a class at a local college through the Penn Accelerated College Program at Penn High School. This is an opportunity for students to begin college coursework while still in high school. An individualized schedule and plan will be developed for each participant. Juniors and seniors choose an area that matches their intended college major, their career plan or personal interest area. Participating colleges are Bethel College, IUSB, Ivy Tech, Purdue Polytechnical, Southwestern Michigan College (Niles/Dowagiac), and Michiana Beauty College. Each student will enroll through Penn High School and a local college. Each student will receive college credit from the particular post-secondary institution and high school credit from the Penn Accelerated College Program. Students will pay the textbook cost for that particular college (same as if the student had graduated from high school and was attending the college). See the *Penn Accelerated College Program* section for details.

MEDICAL TERMINOLOGY

**(High School and College Credit) (Tuition Free)
(Course may also be applied to the Academic
and/or Technical Honors Diploma)**

**Medical Term is offered through the Penn
Advanced CTE College Credit Program.**

690 (1 Credit 1st Sem) or 691 (1 Cr-2nd Sem)

672 (2 credits 1st Sem) or 673 (2 Cr-2nd Sem)

**690 & 672 (3 Credits 1st Sem) or 691 & 673
(3 credits-2nd Sem)**

1 Semester 1, 2 or 3 Credits Grades 11-12

**Prerequisite: Students must pass a college
proficiency entrance exam (ACCUPLACER
TEST) with a score of 80% or higher in reading
and 70% or higher in writing OR score 460 or
higher on all parts of the SAT OR 19 or higher
on all parts of the ACT.**

**Textbook: The local college will establish the
textbook cost—all students will purchase the
required textbook from the college.**

**College Tuition and Fees: None for the
student. All tuition and required fees will be
paid for each student.**

**Other: Students must furnish their own
transportation and purchase their own
textbooks. Students must complete the college
admissions application and meet the listed
prerequisites.**

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5274] Medical Terminology is a college three-credit class offering at Ivy Tech Community College. The course will transfer to IU, IUSB, Purdue, Ball State, Indiana State, IUPUI and many other colleges. A complete listing of transfer universities can be located at TransferIn.net (Indiana Higher Education Core Transfer Library) web site. Students will have a college transcript from Ivy Tech Community College. Students may individualize their high school schedule and elect to take the college class for one, two or three high school credits. Students will actually attend the medical terminology class on the Ivy Tech campus. Medical Terminology addresses basic terminology required of the allied health professional and provides basic knowledge of anatomy and physiology, pathology, special procedures, laboratory procedures, and pharmacology. Greek and Latin prefixes, suffixes, work roots, and combining forms are presented. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included. Medical Terminology provides a strong/solid foundation for future college classes related to all types of medical and allied medical careers (nursing occupations,

physicians/doctors/surgeons, physical or occupational therapists, dentists/ orthodontists, respiratory therapists, medical scientists, EMT's, pharmacists, psychologists, audiologists, and many others. Questions may be addressed to Penn High School at 968-9631.

CERTIFIED NURSING ASSISTANT (CNA) PROGRAM

(High School and College Credit—Tuition Free)

**The CNA course is offered through the Penn
Advanced CTE College Credit Program.**

**Students may elect to take the class for 2, 3 or 4
high school credits.**

672 (2 credits 1st Sem) or 673 (2 credits 2nd Sem)

**690 & 672 (3 credits 1st Sem) or 691 & 673
(3 credits 2nd Sem)**

**670 & 672 (4 credits 1st Sem) or 671 & 673
(4 credits 2nd Sem)**

1 Semester 2, or 3, Credits Grade: 12

**Textbook/Workbook/Uniform: The local college
will establish the textbook, workbook, course
syllabus and uniform cost. All students will
purchase these required items from the college.**

**Tuition and Required Fees: None for the
student. All tuition and required fees will be
paid for each student (approximately \$790).**

**State Certification Testing Fee: At the
conclusion of the class, students will take the
test for Indiana State CNA**

**Certification. Students will pay for their own
test.**

**Other: Students must complete the Ivy Tech
College Admission Application and take the
required college entrance examination
(ACCUPLACER Test) or score 460 or higher of
all parts of the SAT or 19 or higher on all parts
of the ACT. Students must have an Ivy Tech
CNA Course Physical Form completed prior to
class. Students must have two TB tests
completed (the first test must be read before or
on the day of your physical exam). All of these
required forms can be obtained from Ivy Tech
or Penn High School. Students must furnish
their own transportation.**

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5238] The CNA preparation course can be completed in 12 intensive weeks. The 5 credits course includes 45 lecture hours, 80 lab/clinical hours, and 3 hours of certification process for a total of 128 hours. Students will travel to the Ivy Tech Campus for the CNA preparation course (students must furnish their own transportation). The curriculum meets Indiana and federal guidelines for nursing

assistant training. Course graduates are eligible to sit for the CNA competency exam. This class prepares the students to take the state exam. Typical CNA duties include: meet with nursing staff to plan patient care, prepare food trays and serve meals, assist patients with walking, dressing and eating, move patients by wheelchair or gurney, check and record patient vital signs, turn patients who cannot turn over in bed, give lotion rubs, observe and report changes in patients' emotions or alertness. The Certified Nursing Program provides the student with employable skills and also provides a strong/solid background for additional classes related to the field of nursing and further education/degrees. Questions may be addressed to Penn High School at 968-9631.

COSMETOLOGY

2 Semesters 8 Credits Grades: 11-12

Course Numbers: 670, 671, 672, 673

Cosmetology is offered to Penn High School students through Michiana Beauty College in Granger or Vogue in Mishawaka. Students attend Penn ½ day and attend cosmetology class ½ day.

Tuition: Tuition free for Penn Students

Textbook/Classroom Materials: Determined by individual college

Other: Students must furnish their own transportation.

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5802, 5806] Are you interested in enhancing a person's appearance with a new haircut, perm, style and hair color: Do you want to learn techniques to improve a person's hair, nails and skin? Then become a cosmetologist. Career possibilities include: a stylist, a salon manager, a make-up artist, a nail technician, or own your own salon.

Students may complete the entire cosmetology program over a two-year period (junior and senior years) tuition free. Students may complete ½ the cosmetology program during the senior year and continue on their own after graduation.

OFFICE STUDENT INTERNSHIP 1850

(Athletic & Student Activity Office, Bookstore, Academy Offices, Counseling Office, IMC, Main Office)

1 or 2 Semesters Grades 11 – 12

1 Credit per semester of completion

COURSE DESCRIPTION: [IDOE 5260] Penn High School Office Internships provide opportunities for students to assume office assistant duties and

responsibilities within the school building. Students are expected to conduct themselves in accordance with a professional office setting. Students must report on time, always meet the PHS dress code, must always display PHS ID, follow directions from adult supervisors, properly greet visitors, and meet all other high school office rules and expectations. Specific responsibilities may vary from office to office. Some of the required responsibilities, for all students, include completion of writing assignments, career research assignments and creating a professional correspondence letter. In order to be one of the office student interns in Athletics/Student Activity, Bookstore, Division Offices, Guidance Office, IMC and the Main Office, students must enroll in course 1850.

SAT@/ACT

1885

2 Semesters 0 Credits Grades: 10-12

Paperback purchase: \$21.00

COURSE DESCRIPTION: [IDOE 0532] The SAT@/ACT course helps students to develop the reading, language, writing, math, and science skills that are foundational for success in college and the professions. The class provides opportunities to practice close reading of informational, narrative, persuasive, and literary texts, and includes review of the writing conventions and organizational elements that students need to apply in their composing and proofreading. Students will complete timed essays patterned off the SAT@ rhetorical analysis and ACT argumentative synthesis. The course also includes practice of SAT@/ACT math and science skills, as well as test-taking strategies to improve performance on these important tests. The SAT@/ACT course builds on the work students are doing in their other English, math, and science courses.

PREPARING FOR COLLEGE & CAREERS (PCC) 1871

1 Semester 1 Credit Grade: 9

Prerequisite: None

Fee: \$8.00

COURSE DESCRIPTION: [IDOE 5394] The focus of this online course is on the impact of today's choices on tomorrow's possibilities. Topics will include exploration of personal aptitudes, interests, principles and goals; life and career exploration; college and/or military planning; employability skills; transferring school skills to life and work and good decision making. This course will provide a strong

foundation for becoming an involved, independent, and responsible student, employee and citizen.

INTRODUCTION TO COMMUNICATION

1881/1882

2 Semesters 2 Credits Grade: 9

Prerequisite: None

Fee: \$8.00

COURSE DESCRIPTION: [IDOE 4790] This is the first course in a sequence of courses designed to prepare students for college and careers with a focus on communications. The major goals of this course include an overview of communication technology; the way it has evolved, how messages are designed and produced, and how people may profit from creating information services and products. Students will explore mass media communication processes including radio and television broadcasting, publishing and printing activities, telecommunication networks, recording services, computer and data processing networks, and other related systems. Students will use the design process to solve design projects in each communication area.

INTERACTIVE MEDIA

1877/1879

2 Semesters 2 Credits Grade: 10

Prerequisite: Intro to Communication

Fee: \$8.00

COURSE DESCRIPTION: [IDOE 5232] *Interactive Media* prepares students for careers in business and various industries working with interactive media products and services. This course emphasizes the development of digitally generated or computer-enhanced products using multimedia technologies including their Chromebooks, cell phones, digital cameras, tripods, and more. They will be learning about various art and design elements, digital photography techniques, 2D and 3D animation, video production and editing as well as the creation, planning and maintaining of a webpage. A project based approach and applications through authentic settings such as work-based observations and service learning experiences are appropriate.

PEER LEADERS

1603

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Interview with course instructor

Fee: \$6.00

COURSE DESCRIPTION: [IDOE 0520] This course is designed to give high school students the opportunity to interact with and learn about people

with disabilities. Students will provide 5 blocks over two weeks of in-class and/or community based instruction to students with moderate and severe disabilities under the personal supervision and direction of the course instructor or classroom teaching staff.

BASIC SKILLS DEVELOPMENT: ENL STRATEGIES***

1655

2 Semesters 2 Credits Grades: 9-12

Recommendation: Students with limited English proficiency only

Workbook Purchase: TBD

Textbook Rental: \$14.00

Fee: \$5.00

COURSE DESCRIPTION: [IDOE 0500] Basic Skills Development is a multidisciplinary course which provides students continuing opportunities to develop the basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note taking, (7) study and organizational skills, and (8) problem-solving skills that are essential for high school course work achievement. Determination of the skills to be emphasized in this course is based on the Indiana State proficiencies, individual school corporation general curriculum plans, and student Individualized Learning Plan (ILP). Credits earned in this course are elective credits. For further information regarding ENL services, please contact your Guidance Counselor or ENL Coordinator.

*****NOTE: ENL staff will provide classroom teachers with information, ideas and tools which will facilitate their efforts to adapt to the needs of LEP students in their classes.**

RADIO & TELEVISION I

0369

(Formerly Mass Media/Tech Comm. I)

2 Semesters 2 Credits Grades 9-12

Prerequisite: None

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 5986] In this introductory class to mass media and journalism, students will develop media literacy through instruction and practice. Students will engage in all facets of production, and they will develop a portfolio of work that will include news-writing, broadcast production, multimedia stories, and stories for the web. Students will learn all aspects of production in the PNN television studio, and in the second semester, they will produce a daily news show for pnn.phmschools.org. This publications class lays the groundwork for further study in this field (and for Radio & Television II,

0371). More information can be found at massmediastudies.net.

**RADIO & TELEVISION II and
TELECOMMUNICATIONS INTERNSHIP 0371**

2 Semesters 2 Credits Grades: 10-12

**Prerequisite: Radio & TV I, application and
instructor's approval**

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 5992] After taking *Radio & Television I 0369*, these publications students will continue their work in the PNN Studio and at pnn.phmschools.org. This class runs the newsroom and studio for 180 days, and they are responsible for providing Penn High School complete coverage of school news. These students shoot 90 shows per year, and compete in state and national competitions. They are expected to work outside of school hours to cover events that include extra-curricular functions at Penn High School and in Saint Joseph County. Students can enroll in local production internships, and if eligible, may take the class for dual credit. More information can be found at massmediastudies.net.

FILM LITERATURE /

RECORDING ARTS SEMINAR 0373

2 Semesters 2 Credits Grades: 10-12

Prerequisite: None

Supplemental Fee: \$7.50

COURSE DESCRIPTION: [IDOE 1034/4790] Beginning with media literacy, students participating in this class will not only develop a critical analysis of the moving picture medium, but they will also produce independent film projects. Students will examine production from the authoring of screenplays all the way through the production, and post-production stages of film creation. Instruction will be provided through selected readings, and the study of the history of filmmaking, utilization of various technologies, lab work, and time in the field producing independent film projects. Students will have the opportunity to screen their work in competitions and film festivals. The class will culminate with Penn High School's own Film Festival held in May. More information can be found at <http://massmediastudies.net>.

TV BROADCAST INTERNSHIP 0161

(Formerly TV Broadcast/Telecommunications)

2 Semesters 2 Elective Credits Grades: 12

Supplemental Fee: \$7.50

COURSE DESCRIPTION: [IDOE 5260] Also beginning with analysis of their own mass media consumption, students participating in this class will not only develop a critical analysis of the moving picture medium, but they will engage in the production of a television series. Students will write, produce, edit and publish a television series that touches on themes, visits regular characters, strives for universality, and tells a good story. Instruction will be provided through selected readings, the study of the history of television, utilization of various technologies, lab work in a productions studio, and time in the field producing independent film projects. Students will have the opportunity to screen their work through the Penn News Network and other channels. More information can be found at <http://massmediastudies.org>.

**KINGSMEN TUTOR
INTERNSHIP**

One Block: 0661

One Block with BBBS: 0662

2 Semesters 1 Credit per semester

Grades: 11-12

**(Required to take 1st semester for credit;
optional to take 2nd semester for credit)**

**Prerequisite: Application, interview, teacher
recommendations, clean disciplinary and
attendance record**

COURSE DESCRIPTION: [IDOE 0520] Kingsmen Tutor Internship provides students with opportunities to tutor peers and assist a teacher during the school year in the classroom. Tutors will receive training and attend monthly meetings with the Kingsmen Tutor Leaders 3-4 times per semester. If you take second semester for no credit then this internship is considered volunteer experience, earning approximately 70 volunteer hours in the semester. Many college admission offices and scholarship committees are looking for this kind of long term service. We strongly advise you to take this class as an elective, but it can also be taken in place of a study hall. The grade will be based on homework assignments, attendance and teacher evaluations. Kingsmen Tutors will be placed in classrooms for various subjects including but not limited to foreign language, Algebra I and II, Geometry, Biology, ICP, English and Chemistry.

**AP CAPSTONE: SEMINAR & AP
CAPSTONE: RESEARCH**

(A 2 year course) 1605 and 1607
4 Semesters 4 Credits Grades: 11-12
AP Capstone: Seminar would be taught to
Juniors; AP Capstone: Research would be
taught to Seniors.

Textbook: TBA

Fee: TBA

Additional Costs: TBA

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 0552 & 0551] In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate. AP Seminar may also be taken as a stand-alone option.

In AP Capstone Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic thesis. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate. AP Seminar may also be taken as a stand-alone option.

**TOPICS in PSYCHOLOGY: The SCIENCE of
HAPPINESS**

1609

0514 Humanities

Recommended grade level: 11 and 12

Counts as an elective

Paperback fees: \$30 for the year

No textbook fees

COURSE DESCRIPTION: [IDOE 0590] This course, based on Berkley's "The Science of Happiness" course and Harvard's most popular course "The Psychology of Happiness" provides for the study of the psychology and science of happiness. This course provides students the opportunity to study researched methods of happiness and practice those methods, engaging in personal and primary research of what works.

Additionally, to embrace the most complete set of skills possible, students will study the cultural concepts of the good life, the linguistics of emotional health.

Finally, students will engage in both primary and secondary research to create a comprehensive plan of action to move forward in life with purpose and joy.

This course includes an in-depth study of (1) the concept of happiness (2) the cultural differences of happiness (3) researched techniques connected with happiness (4) the linguistics of emotion (5) brain research (6) the role of creativity in happiness (7) the role of philosophy and religion in happiness.

This course covers Indiana State Standards for psychology and sociology.



PENN ACADEMY OF EARLY COLLEGE

The Penn Academy of Early College is a program designed to offer students a unique opportunity to begin working toward college requirements while simultaneously fulfilling graduation courses at Penn High School. Penn High School is partnered with Ivy Tech Community College to offer a selection of courses, including dual credit courses, that can potentially earn a student college credits up to an Associate's Degree by the time the student graduates. The yearly sequence of courses for the Penn Academy of Early College student is specific and required. Students may select any elective courses when available.

The Penn Academy of Early College serves the needs of students who need extra support and guidance in order to prepare and pursue post-secondary educational opportunities. Most students are identified as potential candidates for this program in middle school based on specific criteria. Students may only select courses in the academy if they are members of the academy at the beginning of their freshman year.

Eight Early College Core Principles

- 1. Targeted Student Population**
- 2. Curriculum & Plan of Study**
- 3. College-Going Culture**
- 4. Rigorous Instruction**
- 5. Supports for Student Success**
- 6. Collaboration & Partnerships**
- 7. Leadership & Staffing**
- 8. Data Collection, Analysis, and Use**

Penn High School
Early College (PAEC) Course Information
*green indicates Ivy Tech curriculum is a part of the course



9TH GRADE COURSE INFORMATION

2301

ENGLISH 9, *Penn Academy Early College*

2 Semesters 2 Credits Grade 9

Supplemental Fee: \$5.00

Paperback Purchase: \$25.00

COURSE DESCRIPTION: [IDOE 1002] English 9 PAEC focuses on increasing student understanding of our common humanity through literature. This is accomplished through a synthesis of literature, composition, research, grammar, usage, mechanics, public speaking and vocabulary; formative and summative assessments will follow in all of the above areas. Along with students becoming stronger writers, speakers, listeners and readers, they will also be better equipped for even more rigorous future English classes for college credit. Unique to PAEC English 9, students will have the opportunity to use project-based, authentic learning across the curriculum.

2303

Integrated Chemistry and Physics, *Penn Academy Early College*

2 Semesters 2 Credits Grade: 9

Prerequisite: Algebra I

Supplemental Fee: \$8.00

COURSE DESCRIPTION: [IDOE 3108] The course is required for students entering the Early College Program and prepares students for taking dual credit science classes through Ivy Tech Community College. This interdisciplinary science class investigates themes of chemistry and physics through a real world, project/lab-based approach which emphasizes scientific inquiry and process skills. The course will primarily focus on the following themes: Motion, Energy, Properties of Matter, Chemical Reactions, and Science in Society.

2305

Geometry, *Penn Academy Early College*

2 Semesters 2 Credits Grade: 9

Prerequisite: Algebra I

Textbook Rental: \$20.20

Supplemental Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2532] This course is for students enrolled in the Early College Program. The curriculum will be the standards for Geometry and an in-depth review of Algebra topics preparing the students for Algebra II Honors their sophomore year. Geometry is designed to study the pattern and structure of geometry using the techniques of inductive and deductive reasoning. The properties and relationships of geometric figures will include the study of angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, and circles. An understanding of proof and logic will be developed and formal proof will be emphasized. **A scientific calculator is required.**

2309**Spanish 1, Penn Academy Early College****2 Semesters 2 Credits Grade 9****Supplemental Fee: \$10.00**

COURSE DESCRIPTION: [IDOE 2120] Spanish 1 EC is designed to prepare highly capable, motivated students to achieve dual credit through Ivy Tech in their junior or seniors. This course introduces students to the Spanish language by practicing the basic language acquisition skills of reading, writing, listening, and speaking on a daily basis. The goal of Spanish 1 EC is to establish a solid foundation in the Spanish language as well as to apply various strategies for learning a language. Within this context, Spanish 1 EC provides students with opportunities to:

- Comprehend new language through dialogues, clip art, rhymes, visuals, and video
- Practice communication through listening exercises, paired activities, and group activities
- Answer questions and express personal opinions both verbally and in writing
- Compare languages and cultures through grammar study, pronunciation, art, and readings in authentic settings
- Demonstrate all language skills through a variety of tasks and projects presented in the classroom

2311**IvyT111 Study Skills, Penn Academy Early College****2 Semesters 2 Credits Grade 9*****This course is weighted on a 4.5 scale.***

COURSE DESCRIPTION: [IDOE 0500] Enhances success in college by assisting students in obtaining skills necessary to educational, career and life objectives. Students will create and apply critical thinking strategies in areas of time management, media literacy, learning styles, study skills, career planning, money management, resource utilization.

2313**Freshman Resource, Penn Academy Early College****2 Semesters 2 Credits Grade 9**

COURSE DESCRIPTION: Students in the Penn Academy of Early College will participate in a study hall class that serves the unique college-bound population. Early College teachers will lead the class and provide students with resources such as tutors, access to technology, and individual instruction to help students succeed. Students will participate in the Penn Freshman Mentoring program and PCC, Penn College and Career Exploration, course through the resource time.

2307**Geography and History of the World, Penn Academy Early College****2 Semesters 2 Credits Grade: 9****Prerequisite: None****Supplementary Fee: \$5.00****Paperback Purchase \$30.00**

COURSE DESCRIPTION: [IDOE 1570] Honors Geography focuses on integrating the spatial and ecological geographic perspectives. Using critical thinking, analysis and pre-AP style assessments the course aims to allow students to study the inter-dependency of the Earth's physical and human systems, putting humans and the earth in context. The course supplements these perspectives with historic, economic, civic and cultural perspectives to frame a distinctly geographic way of looking at the world.

PENN ACADEMY OF EARLY COLLEGE



10th GRADE COURSE INFORMATION

*green indicates Ivy Tech curriculum is a part of the course

2315

ENGLISH 10, *Penn Academy Early College*

Ivy Tech Eng095

2 Semesters

2 Credits

Grade 10

Supplemental Fee: \$10.00

Paperback Purchase: \$25.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1004] English 10 PAEC is designed to prepare students for success in future dual credit classes, building on the literary and study skills they developed in English 9 PAEC. This course also pushes students to be prepared for the Accuplacer and PSAT tests, of which a certain level of competency is required for college credit classes. In addition to the curriculum developed by Penn teachers, Ivy Tech's Integrated Reading and Writing Course will also be used to help make the above goals achievable. Students analyze and respond through reading, writing, speaking, and listening to a variety of fiction and non-fiction pieces of literature, as well as informational texts, giving students the necessary skills to be successful, college-level readers and writers.

2319

Biology, *Penn Academy Early College*

2 Semesters 2 Credits

Grade: 10

Prerequisite: ICP Honors

Textbook Rental: \$22.05

Supplemental Fees: \$8.00

COURSE DESCRIPTION: [IDOE 3024] The course highlights how biology applies to and potentially improves human life. To help students develop into productive and responsible citizens, they will make connections between biological concepts and their current and future lives. Through inquiry laboratory investigations, data analysis, demonstrations, reading, research, group discussion, and computer simulations, Early College Biology Honors provides a study of four major themes:

- Biochemistry and Cells-Organic molecules, cellular components and functions.
- Ecology-the study of the relationships between living organisms and the environment.
- Genetics-the study of the molecular basis of heredity and inheritance of traits.
- Evolution-the mechanism for change over time and the unity and diversity of life.

In the spring, students will take Indiana Statewide Testing for Educational Progress-Plus (ISTEP) in Biology.

2317**US History, Penn Academy Early College****Course Title: U.S. History Detectives****2 Semesters 2 Credits Grade 10****Prerequisite: None****Supplemental Fee: \$5.00****Paperback purchase: \$30.00**

COURSE DESCRIPTION: [IDOE 1538] US History Detectives is designed to introduce Early College students to the History of the United States with an investigative approach. In this course students will ask probing questions surrounding iconic mysteries from America's past. This course has students to step into the shoes of a history detective and tackle some of history's toughest mysteries. Students will evaluate conflicting evidence by examining sources, evaluating the context of those source, including identifying the differences between then and now. Additionally, students are expected to examine multiple sources to see what other sources say about the information found in primary source documents. This course requires close reading of primary sources to establish what the source says, its bias, tone, etc. The intent of this course is to equip students with research tools that they can use throughout their academic and lifetime careers.

2323**Spanish 2, Penn Academy Early College****2 Semesters 2 Credits Grade 10****Prerequisite: Spanish I****Textbook Fee: \$17.86****Supplemental Fee: \$10.00****Paperback Purchase: \$10.00**

COURSE DESCRIPTION: [IDOE 2122] Spanish 2 EC is the continuation of preparing the students to achieve dual credit through Ivy Tech in their junior and senior years. This course continues to focus on the important skills of reading, writing, listening, and speaking while studying new tenses. Special emphasis will be placed on open-ended writing as well as oral proficiency that includes studying and applying pronunciation rules. Within this context, Spanish 2 EC provides students with opportunities to:

- Comprehend new language through dialogues, clip art, rhymes, visuals, video, and games
- Practice communication through listening exercises, paired activities, and group activities
- Answer questions and express personal opinions both verbally and in writing
- Compare languages and cultures through grammar study, pronunciation, art, and readings in authentic settings
- Demonstrate all language skills through a variety of tasks and projects presented in the classroom

2327**CINS 101 Introduction to Microcomputers, Penn Academy Early College****1 Semester 2 Credits Grade 10****TransferIN 3 College Credits****Prerequisites: Passing score on the English Accuplacer Tests OR "C" or higher in ENG 095*****This course is weighted on a 4.5 scale.***

COURSE DESCRIPTION: [IDOE 4528] Introduces the physical component and operations of microcomputers. Focuses on computer literacy and provides hands-on training in four areas of microcomputer applications software: word processing, electronic spreadsheets, database management and presentation software. Use of a professional business computer application program is encouraged.

2325**Sophomore Resource, Penn Academy Early College****2 Semesters 2 Credits Grade 10**

COURSE DESCRIPTION: Students in the Penn Academy of Early College will participate in a study hall class that serves the unique college-bound population. Early College teachers will lead the class and provide students with resources such as tutors, access to technology, and individual instruction to help students succeed. Resource at the sophomore level will specifically be designed to help Early College students prepare students with skills and resources to succeed in a rigorous junior year of dual-credit college courses.

2321**ALGEBRA II, Penn Academy Early College****2 Semesters 2 Credits****Prerequisite: Geometry****Textbook Rental: \$26.70****Supplemental Fee: \$3.00**

COURSE DESCRIPTION: [IDOE 2522] This course is for students with above average performance in math. It expands on the topics of Algebra I and provides further development of the concepts of a function, domain and range. Reviews linear equations, inequalities, graphing, and factoring algebraic expressions. Concentrates on properties of integer and rational exponents, systems of linear equations, radicals, radical equations, quadratic equations, functions including their graphs, and applications. Compared to Algebra II, the pace of this course is accelerated and topics are covered in greater depth. Students will gain experience using the graphing calculator. **A scientific calculator is required and a graphing calculator is highly recommended.**

PENN ACADEMY OF EARLY COLLEGE



11th GRADE COURSE INFORMATION

*green indicates Ivy Tech curriculum is a part of the course

#2329/2330 (USE 3078)**ENGLISH 111/112, Penn Academy Early College****2 Semesters 2 HS Credits Grade 11****TransferIN 6 College Credits****Paperback Purchase: \$20.00****Supplemental Fee: \$10.00****Prerequisites: Passing score on the English Accuplacer Tests OR "C" or higher in ENG 095*****This course is weighted on a 4.5 scale.***

COURSE DESCRIPTION: [IDOE 1006/1098] English composition is designed to develop students' abilities to think, organize, and express their ideas clearly and effectively in writing. This course incorporates reading, research and critical thinking. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison, analysis, persuasion, and argumentation. A research paper is required. Numerous in-class writing activities are required in addition to extended essays written outside of

class. E112 continues the work of 111, emphasizing the persuasion and argumentation aspects of writing. Unique to EC English 111/112 is the cross-curricular project based learning incorporated.

#2333

Chemistry 101, Penn Academy Early College

2 Semesters 2 HS Credits Grade: 11

TransferIN 3 College Credits

Prerequisites: Demonstrated competency through appropriate assessments or a passing score on the math Accuplacer or PSAT.

Textbook Rental: \$26.30

Supplemental Fees: \$8.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 3066] An introductory course that includes the science of chemistry and measurement, atomic theory and the periodic table, chemical bonding, equation writing and balancing, stoichiometry, gases and acids/bases.

#2331/2332 (USE 3081)

US History, Penn Academy Early College

Course Title: U.S. History H101/H102

2 Semesters 2HS Credits Grade 11

TransferIN 3 College Credits

Prerequisites: Topics in U.S. History, Passing score on the English Accuplacer Tests OR “C” or higher in ENG 095

Supplemental Fee: \$5.00

Paperback purchase: \$40.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: HIST 101: Survey of American History I - [IDOE 1542] Covers major themes and events in history including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture; territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War.

COURSE DESCRIPTION: HIST 102: Survey of American History II - [IDOE 1542] Covers majors themes including the post-Civil War period; western expansion, industrial growth of the nation and its effects; immigration and urban discontent and attempts at reform; World War I; the Roaring Twenties; social and governmental changes of the thirties; World War II and its consequences; the growth of the federal government; social upheaval in the sixties and seventies; and recent trends in conservatism, globalization, and cultural diversity.

#2337/2338 (USE 3080)

Spanish 101/102, Penn Academy Early College

2 Semesters 2 Credits Grade 11

TransferIN 8 College Credits

Prerequisites: Passing score on the English Accuplacer Tests OR “C” or higher in ENG 095

Supplemental Fee: \$10.00

Textbook Rental: \$17.86

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 2124] Ivy Tech Span 101 is a dual credit, one semester course designed to introduce students to the Spanish language and focuses on all four language skills: listening, speaking, reading, and writing. Students will move more quickly through grammar topics that they have been introduced to in their first two years of preparatory study. Ivy Tech Span 101 provides students with the opportunity to:

- Master basic Spanish vocabulary and grammar
- Understand simple oral communication about familiar topics
- Speak in complete sentences about specific topics
- Ask and answer questions on everyday topics in the present tense
- Write simple standard expressions, complete sentences and short paragraphs
- Read and discuss simple paragraphs and articles which may include literary and cultural works
- Understand cultural traits and geography of the Spanish speaking world

COURSE DESCRIPTION: [IDOE 2124] Ivy Tech Span 102 is a dual credit, one semester course designed for students to speak Spanish in class as much as possible. Students will study more challenging grammar that includes multiple tenses and moods. Ivy Tech Spanish 102 provides students with the opportunity to:

- Master basic Spanish vocabulary and grammar
- Speak in Spanish about everyday topics such as chores and daily routines
- Speak about familiar topics using the present and past tenses in both formal and informal situations
- Paraphrase material in Spanish
- Describe and express ideas in writing with coherence
- Read and discuss Spanish articles and texts with understanding
- Demonstrate knowledge, understanding and appreciation of the Spanish language and cultures of the Spanish-speaking world

#2339

Speech COMM101, Penn Academy Early College

2 Semesters 2 HS Credits Grade 11

TransferIN 3 College Credits

Textbook Rental: \$0.00

Supplemental Fee: \$10.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1078] Introduces fundamental concepts and skills for effective public speaking, including audience analysis, outlining, research, delivery, critical listening and evaluation, presentational aids, and use of appropriate technology. Upon successful completion of this course the student will be expected to:

1. Analyze an audience and adapt presentations accordingly.
2. Apply principles of composition to the development of oral presentations, such as effective organization and outlining.
3. Develop ideas with credible forms of support and appropriate documentation.
4. Recognize and demonstrate nonverbal communication appropriate to the verbal message.
5. Use presentational aids to support and enhance oral presentations.
6. Actively listen to and critically evaluate oral presentations.
7. Apply the fundamental concepts of effective public speaking through a minimum of 4 oral presentation of significance three of which must be delivered extemporaneously.
8. Incorporate appropriate technology to support and enhance oral presentations.

#2341/2343 (USE 3079)

Precalculus - Consists of College Algebra M136 and Trigonometry M137, MATH 136 and MATH 137 together comprise a standard two-semester college algebra and trigonometry course.

College Algebra M136

1 Semesters 1 HS Credits Grade 11

TransferIN 3 College Credits

Prerequisite: Algebra II Honors “C” or higher and a passing score on the Math Accuplacer or PSAT

Supplemental Fee: \$1.50

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 2564] Presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and exponential and logarithmic functions.

Trigonometry with Analytic Geometry M137

1 Semesters 1 HS Credits Grade 11

TransferIN 3 College Credits

Prerequisite: Algebra II Honors “C” or higher and a passing score on the Math Accuplacer or PSAT

Textbook Rental: \$0

Supplemental Fee: \$1.50

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 2566] Presents an in-depth study of right triangle trigonometry, oblique triangles, vectors, graphs of trigonometric functions, trigonometric identities and equations and complex numbers in rectangular and polar/ trigonometric forms, rectangular and polar coordinates and conics.

#2345

Junior Resource, Penn Academy Early College

2 Semesters 2 Credits Grade 11

COURSE DESCRIPTION: Students in the Penn Academy of Early College will participate in a study hall class that serves the unique college-bound population. Early College teachers will lead the class and provide students with resources such as tutors, access to technology, and individual instruction to help students succeed. Resource at the junior sophomore level will specifically be designed to help Early College students prepare students with skills and resources to succeed in a rigorous junior year of dual-credit college courses.

PENN ACADEMY OF EARLY COLLEGE



12th GRADE COURSE INFORMATION

***green indicates Ivy Tech curriculum is a part of the course**

#2346

ENGLISH 206, Penn Academy Early College

ENGL 206 Introduction to Literature

2 Semesters 2 HS Credits Grade 12

TransferIN: 3 College Credits

Paperback Purchase: \$36.00

Supplemental Fee: \$5.00

Textbook Fee: \$0.00

Prerequisites: ENG 111/112

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1124] Development of basic strategies for critically reading and interpreting poetry, fiction, and drama; introduction to the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing assignments.

#2369

ENGLISH 202, Penn Academy Early College

ENGL202 Creative Writing

1 Semester 1 HSCredit Grade 12

TransferIN: 3 College Credits

Paperback Purchase: \$30.00

Prerequisites: ENG 111/112

Course Description: This course introduces students to opportunities for self-expression in one or more literary genres - fiction, poetry, drama, and the creative essay.

Creative writing will be conducted using a workshop model; students will share their writing with each other and collaborate in response groups to give and receive feedback.

#2349

ECON101 Penn Academy Early College

ECON 101 Economics Fundamentals

1 Semester 1 HS Credit Grade 12

Textbook Rental: \$28.00

Supplemental Fee: \$2.50

Prerequisites: None

COURSE DESCRIPTION: [IDOE 1514] Economics is a one-semester course of study required for graduation. This course is designed to acquaint students with the basic principles of theory and application. This course of study is designed to increase the student's understanding of different classifications of economic organization; the market system and its functions of production; distribution; and consumption; the general business cycle; and the role of government, labor, business, consumers, banking and credit in the economy.

#2347

POLS 101 Penn Academy Early College

POLS 101 Introduction to American Government and Politics

1 Semester 1 HS Credit Grade 12

TransferIN: 3 College Credits

Textbook Rental: \$0.00

Paperback Purchase: \$40.00

Prerequisites: Demonstrated competency through appropriate assessment or earning a grade of "C" or better in ENGL095 Integrated Reading and Writing.

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1540] Studies federalism, theories of origins and purposes of government and other aspects of the American government including interest groups, political parties, and the electoral process. Emphasis is placed on constitutional backgrounds and the organization and functions of the executive, legislative, and judicial segments of the national government, civil liberties and civil rights, public opinion, media, bureaucracies, and domestic and foreign policy.

#2355

BIOLOGY 101, Penn Academy Early College

BIOL 101 Introductory Biology

1 Semester 2 HS Credits Grade 12

TransferIN: 3 College Credits

Textbook Rental: \$45.25

Supplemental Fee: TBD

Prerequisites: Demonstrated competency through appropriate assessment or earning a grade of "C" or better in ENGL095 Integrated Reading and Writing.

COURSE DESCRIPTION: [IDOE 3026] Introduces the basic concepts of life. Includes discussion of cellular and organismal biology, genetics, evolution, ecology, and interaction among all living organisms. Addresses applications of biology in a global community.

#2367

FINITE 135 *Penn Academy Early College*

M135 Finite Math

2 Semester 2 HS Credit Grade 12

TransferIN: 3 College Credits

Textbook Rental: \$25.27

Supplemental Fee: \$3.00

Prerequisites:

M136/M137 Pre-Calculus

Course Description: [IDOE 2530] This course is designed for college bound students. Topics include solving and graphing linear equations and inequalities, elementary set theory, matrices and their applications, linear programming, and elementary probability. This is a standard finite mathematics course. Ivy Tech Credit may be earned.

#2353

CALCULUS M211 *Penn Academy Early College*

MATH 211 Calculus I

2 Semester 2 HS Credit Grade 12

TransferIN: 4 College Credits

Textbook Rental:

Supplemental Fee: \$4.00

Prerequisites: Demonstrated competency through appropriate assessment or successful completion Math 136 College Algebra and Math 137 Trigonometry with Analytical Geometry.

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 2527] Reviews the concepts of exponential, logarithmic and inverse functions. Studies in depth the fundamental concepts and operations of calculus including limits, continuity, differentiation including implicit and logarithmic differentiation. Applies differential calculus to solve problems in the natural and social sciences, to solve estimation problems and to solve optimization problems. Applies differential calculus to sketch curves and to identify local and global extrema, inflection points, increasing/decreasing behavior, concavity, behavior at infinity, horizontal and vertical tangents and asymptotes, and slant asymptotes. Applies the concept of Riemann sums and antiderivatives to find Riemann integrals. Applies the fundamental theorem of calculus to solve initial value problems, and to find areas and volumes and the average values of a function.

#2351/2352 (USE 3087)

SPANISH 201/202 *Penn Academy Early College*

SPAN 201 Spanish Level III

SPAN 202 Spanish Level IV

2 Semester 2 HS Credit Grade 12

TransferIN: 6 College Credits

Paperback Fee: \$35.00

Supplemental Fee: \$10.00

Prerequisites: Spanish 201: Spanish 102 Spanish Level II or demonstrated competency through appropriate assessment; demonstrated earning a grade of "C" or better in ENGL095 Integrated Reading and Writing.

Spanish 202: Spanish 201 Spanish Level III or demonstrated competency through appropriate assessment; demonstrated earning a grade of "C" or better in ENGL095 Integrated Reading and Writing.

This course is weighted on a 4.5 scale.

COURSE DESCRIPTIONS: [IDOE 2126] Spanish is the primary medium of instruction. The goal of the course is to continue the development and reinforcement of the skills of the target language: listening, speaking, reading and writing at an intermediate level. The course continues the study of grammar and syntax, vocabulary building, and Spanish and Latin American civilizations, cultures, and literature through discussion and written and oral reports.

#2363

PSYCHOLOGY 101 *Penn Academy Early College*

PSYC 101 Introduction to Psychology

1 Semester 1 HS Credit Grade 12

TransferIN: 3 College Credits

*This class will be taken on Ivy Tech's campus with an Ivy Tech professor.

*If students choose to opt out of this course but are still working towards the Associate of Science in General Studies, they will also have the option of taking a range of other CTE courses at Ivy Tech University.

Textbook Rental: TBD by Ivy Tech professor

Supplemental Fee: TBD by Ivy Tech professor

Paperback Purchase: TBD by Ivy Tech professor

Prerequisites: Demonstrated competency through appropriate assessment or earning a grade of "C" or better in ENGL095 Integrated Reading and Writing.

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1532] Surveys behavior and cognitive processes as they affect the individual. The course focuses on biological foundations, learning processes, research methodologies, personality, human development and abnormal and social psychology.

#2361/2365

Early College Resource 12/Early College Capstone GENS279

Senior Resource, Penn Academy Early College

2 Semesters 2 Credits Grade 12

TransferIN: 1 College Credit

COURSE DESCRIPTION: Students in the Penn Academy of Early College will participate in a study hall class that serves the unique college-bound population. Early College teachers will lead the class and provide students with resources such as tutors, access to technology, and individual instruction to help students succeed. For the Early College Capstone Project (GENS279), students will develop a year-long reflection multi-media project guided by an early college staff member. The student will be mentored in this endeavor, culminating in a final project and presentation.

FRESHMAN ACADEMY

ENGLISH 9

0301

2 Semesters 2 Credits Grade: 9

Prerequisite: None

Paperback Purchase: \$29.00

Supplemental Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1002] The focus of this course is to increase student understanding of our common humanity through literature and to develop reading, writing and speaking skills. A synthesis of all the components of language arts is emphasized: literature, composition, research, grammar, usage, mechanics, public speaking, and vocabulary. Assessments include narrative writing, summary writing, thesis-based essays, and journal writing. Students will study novels, short stories, poetry and drama and informational texts. English 9 students will complete multiple writing requirements including process papers and timed writing.

Pre-AP ENGLISH 9 (Honors)

0305

2 Semesters 2 Credits Grade: 9

Prerequisite: See Pre AP Recommended

Placement Criteria

Supplemental Fee: \$5.00

Paperback Purchase: \$31.00

COURSE DESCRIPTION: [IDOE 1002] This course is designed for the highly motivated student who has demonstrated a high reading level and a reasonable mastery of written and spoken English. The focus of this course is to increase student understanding of our common humanity through literature and to continue communication and skill development. A synthesis of all the components of language arts is emphasized: literature, composition, research, grammar, usage, mechanics, public speaking, and vocabulary. Assessments include narrative writing, summary writing, thesis-based essays, and journal writing. Students will study novels, short stories, poetry, drama and informational texts. Students will be expected to complete independent reading and writing, both in the summer and during the school year. English 9 Honors students will complete multiple writing requirements including process papers and timed writing.

BIOLOGY I

0905

2 Semesters 2 Credits Grade: 9

Prerequisite: None

Fees: \$8.00

COURSE DESCRIPTION: [IDOE 3024] The course highlights how biology has both personal and global implications in human lives. To help students develop into productive and responsible citizens, they will make connections between biological concepts and real life applications. Through regular laboratory investigations, projects, reading, research, group discussion, computer simulations, and videos, Biology I provides a study of four major themes:

- Biochemistry and Cells –organic molecules, cellular components and functions
- Ecology – the study of relationships between living organisms and the environment
- Genetics – the study of heredity and inheritance of traits
- Evolution- the mechanism for change over time and the diversity of life

This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. **Students taking this course will be required to participate in any state mandated exams.**

BIOLOGY I, Pre-AP (HONORS)

0907

2 Semesters 2 Credits Grades: 9

Prerequisite: Recommendation of guidance counselor/teacher and "B+" or better in the previous science course.

Recommendations: This course is recommended for students who will invest time outside of class studying, have strong study skills, and are motivated by challenging work.

Fees: \$8.00

COURSE DESCRIPTION: [IDOE 3024] The course highlights how biology has both personal and global implications in human lives. To help students

develop into productive and responsible citizens, they will make connections between biological concepts and real life applications. Through regular laboratory investigations, projects, reading, research, group discussion, computer simulations, and videos, Biology I Honors provides a study of four major themes:

- Biochemistry and Cells –organic molecules, cellular components and functions
- Ecology – the study of relationships between living organisms and the environment
- Genetics – the study of heredity and inheritance of traits
- Evolution- the mechanism for change over time and the diversity of life

This course will be much more challenging than any previous middle school course. Students are expected to ask questions and participate in all class discussions and activities. Strong reading, writing, organization, and study skills are required. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. **Students taking this course will be required to participate in any state mandated exams.**

GEOGRAPHY AND HISTORY OF THE WORLD **1105**

2 Semesters 2 Credits Grade: 9

Prerequisite: None

Supplementary Fee: \$5.00

Geography and History of the World is a required course for graduation.

COURSE DESCRIPTION: [IDOE 1570] Students develop and use the six elements of geography to better understand current events and issues facing the world today. These elements are: The World in Spatial Terms, Places and Regions, Physical Systems, Human Systems, Environment and Society, and the Uses of Geography. Students will demonstrate an understanding of these elements of geography in the context of world history, primarily from 1450 to the present. This geographic and historical framework provides students a unique insight. This course will focus on fundamental questions, such as “Where is something? Why is it there? How did it get there? How does it interact with other things? What does it mean for the future? How does geography shape the past, present and future?” The primary subject matter is the Earth’s surface and the processes that shape it; the historical context connecting people and environments; the skills necessary to read maps, graphs and other geographic data; and the skills

required to conduct research and improve writing skills.

HONORS GEOGRAPHY **1169**

2 Semesters 2 Credits Grade: 9

Prerequisite: None

Supplementary Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1570] Honors Geography focuses on integrating the spatial and ecological geographic perspectives. Using critical thinking, analysis and pre-AP style assessments the course aims to allow students to study the interdependency of the Earth’s physical and human systems, putting humans and the earth in context. The course supplements these perspectives with historic, economic, civic and cultural perspectives to frame a distinctly geographic way of looking at the world.

ALGEBRA I **0717**

2 Semesters 2 Credits Grade: 9

Prerequisite: None

Fee: \$6.00

COURSE DESCRIPTION: [IDOE 2520] The Mathematics standards for Algebra I are made up of 5 strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. Algebra 1 is a required course for graduation.

PRE-AP ALGEBRA II **0713**

2 Semesters 2 Credits Grade: 9

Prerequisite: Algebra I and Geometry H with a “B” average or higher

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2522] The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. This course is for students with superior performance in math. Compared to Algebra II, the pace of this course is accelerated and topics are covered in greater depth. Students will gain experience using the graphing calculator. A scientific calculator is required and a graphing calculator is highly recommended.

GEOMETRY ACCELERATED**0725****2 Semesters 2 Credits Grade: 9****Prerequisite: Algebra I with an A or B in middle school.****Fee: \$4.00**

COURSE DESCRIPTION: [IDOE 2532] This course is for students who completed Algebra I in middle school with an A or B. The Mathematics standards for Geometry are made up of 5 strands: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. Algebra Skills will be reviewed in this course. A scientific calculator is required.

ADVANCED CAREER TECHNICAL EDUCATION (CTE) PROGRAM

Juniors and Seniors

(All Listed Courses are Tuition Free for Penn Students)

These courses are weighted on a 4.5 scale.

ACADEMIC HONORS DIPLOMA: All Classes from Bethel, IUSB, Ivy Tech Community College, Purdue Polytechnic Institute and Southwestern Michigan College may be applied to the requirements for the Academic Honors Diploma

TECHNICAL HONORS DIPLOMA: All classes (from all organizations) listed may be applied to the requirements for the Technical Honors Diploma

CORE 40: All Classes (from all organizations) listed may be applied as Directed Electives for the CORE 40 Diploma

Students may take dual credit classes at Bethel, IUSB, Ivy Tech, Purdue Polytechnic or Southwestern Michigan. The classes listed below are a sampling of those courses that are offered. This list is made up of classes that may not always be available each semester or at each school, but it represents a sampling of courses. Please feel free to contact Mrs. Ball at mball@phm.k12.in.us with any questions you may have.

Business Administration

- ___ Introduction to Business
- ___ Business Law
- ___ Business Communication
- ___ Principles of Management
- ___ Principles of Marketing
- ___ Financial Accounting
- ___ Managerial Accounting
- ___ Income Tax
- ___ Payroll Accounting
- ___ *Intro to Microcomputers
- ___ Information Systems Fundamentals
- ___ Logic, Design, Programming
- ___ Web Site Development
- ___ Microcomputer Operating Systems
- ___ Network Fundamentals
- ___ *Introduction to Computing
- ___ Introduction to Programming

Information Technology

Management

Various classes

Communication

- ___ Intro to Public Relations
- ___ Intro to Interpersonal Communications
- ___ *Intro to Mass Communications
- ___ Introduction to Advertising

School of Public & Social Services

- ___ *Intro to Criminal Justice Systems
- ___ Introduction to Criminology
- ___ Introduction to Law Enforcement
- ___ Sanitation and First Aid
- ___ Basic Food Theory and Skills
- ___ Youth and Family Treatment
- ___ *Introduction to Interpersonal Communication

Early Child Education

- ___ Intro to Early Childhood Education
- ___ Nutrition, Health and Safety for Early Childhood
- ___ Understanding Special Needs Children
- ___ Curriculum in Early Childhood Classroom

School of Fine Arts and Design

- ___ Basic Photography
- ___ Three-Dimensional Design
- ___ Design Theory
- ___ Drafting and Construction
- ___ Introduction to Interior Design
- ___ Fundamentals of Design
- ___ Fundamentals of Imaging
- ___ Video and Sound
- ___ Intro to Computer Graphics
- ___ Production in Editing

School of Health Sciences

- ___ Health, Safety & Nutrition
- ___ *Medical Terminology
- ___ Dementia Care
- ___ CNA (Certified Nursing Assistant-Seniors only)
- ___ Medical Law & Ethics
- ___ Introduction to Health Careers
- ___ *First Aid & Emergency Care
- ___ *Nutrition for Health

School of Liberal Arts & Sciences

- ___ Survey of Biotechnology
- ___ Fundamentals of Nanotechnology

School of Technology Automotive

- ___ Steering and Suspension
- ___ Two and Four Wheel Alignment
- ___ Powertrain Service
- ___ Engine Principles and Design
- ___ Engine Performance I
- ___ Electrical and Electronics I
- ___ Braking Systems
- ___ Electrical and Electronics II
- ___ Manual Drivetrains
- ___ Engine Repair
- ___ Automatic Transmission
- ___ Engine Performance II
- ___ Engine Performance III
- ___ Driveability Diagnosis

Design Technology

- ___ Technical Graphics
- ___ CAD Fundamentals
- ___ Mechanical Graphics
- ___ Architectural Design I
- ___ Descriptive Geometry
- ___ Construction Materials and Specifications

Electronics and Computer Technology

- ___ Intro to Electronics and Projects
- ___ Digital Fundamentals
- ___ Networking
- ___ Computer Troubleshooting
- ___ Computer Troubleshooting II
- ___ Introduction to Robotics
- ___ Programmable Controllers I
- ___ Programmable Controllers II

Industrial Electrician

- ___ Computer Fundamentals for Technology
- ___ Intro to National Electrical Code
- ___ Electrical Wiring Fundamentals/ NEC Code
- ___ Motors and Motor Controls
- ___ Basic Electricity
- ___ Electrical Circuits

Heating and Air Conditioning

- ___ Heating Fundamentals
- ___ Refrigeration
- ___ Duct Fabrication & Installation
- ___ Heat Pump Systems
- ___ Heating Service
- ___ Refrigeration II
- ___ Basic Electricity
- ___ Basic Shop Mechanics
- ___ Special Topics-Residential Wiring

Engineering Technology

- ___ Technical Graphics Communication
- ___ Human Behavior in Organizations
- ___ Materials & Processes I
- ___ Materials & Processes II
- ___ Electricity Fundamentals

___ Introduction to Object-Oriented Programming

___ Introduction to Constraint Based Molding

___ Information Technical Architecture

Electrical Engineering Technology

___ Gateway to Elect. Engr. Tech.

___ Technology and the Individual

Industrial Technology

- ___ Industrial Organizations
- ___ Industrial Supply Chain Management

Organizational Leadership and Supervision

- ___ Human Behavior in Organizations
- ___ Applied Leadership
- ___ Leadership Principles
- ___ Computer Aided Drafting & Design Academy
- ___ Mechatronics Technology
- ___ Electronics Career Academy
- ___ Precision Production Technology

___ Emergency Med Services Academy

___ Fire Science or EMS-Paramedic.

Students must be 18 by June for Fire Science and EMS programs.

PHARMACY TECHNICIAN TRAINING (IUSB Extended Learning Services--Certification Program-seniors only)

MICHIANA BEAUTY COLLEGE or VOGUE BEAUTY - Cosmetology

***Refers to the Indiana Core Transfer Library (CTL)**

A full explanation of the CTL is available at www.transferIN.net/ctl or Google Core Transfer Library.

ENGLISH

Grade 9

English 9
(301)

or

English 9
Honors
(305)

Grade 10

English 10
(307)

or

English 10
Honors
(311)

Grade 11

English 11
(313)

or

English 11 H/
US History H
Seminar
(317)
(use 3005 to
schedule)

or

AP English
Language and
Composition
(315)

or

ACP English 11
Honors/
US History H
Seminar
(0320/1179) (use
3086 to
schedule)

or

AP English
Language and
Composition/
AP US History
Seminar
(327)
(use 3067 to
schedule)

Grade 12

English 12
(321)

or

English 12:
Ivy Tech
(398/399)
(use 3082)

or

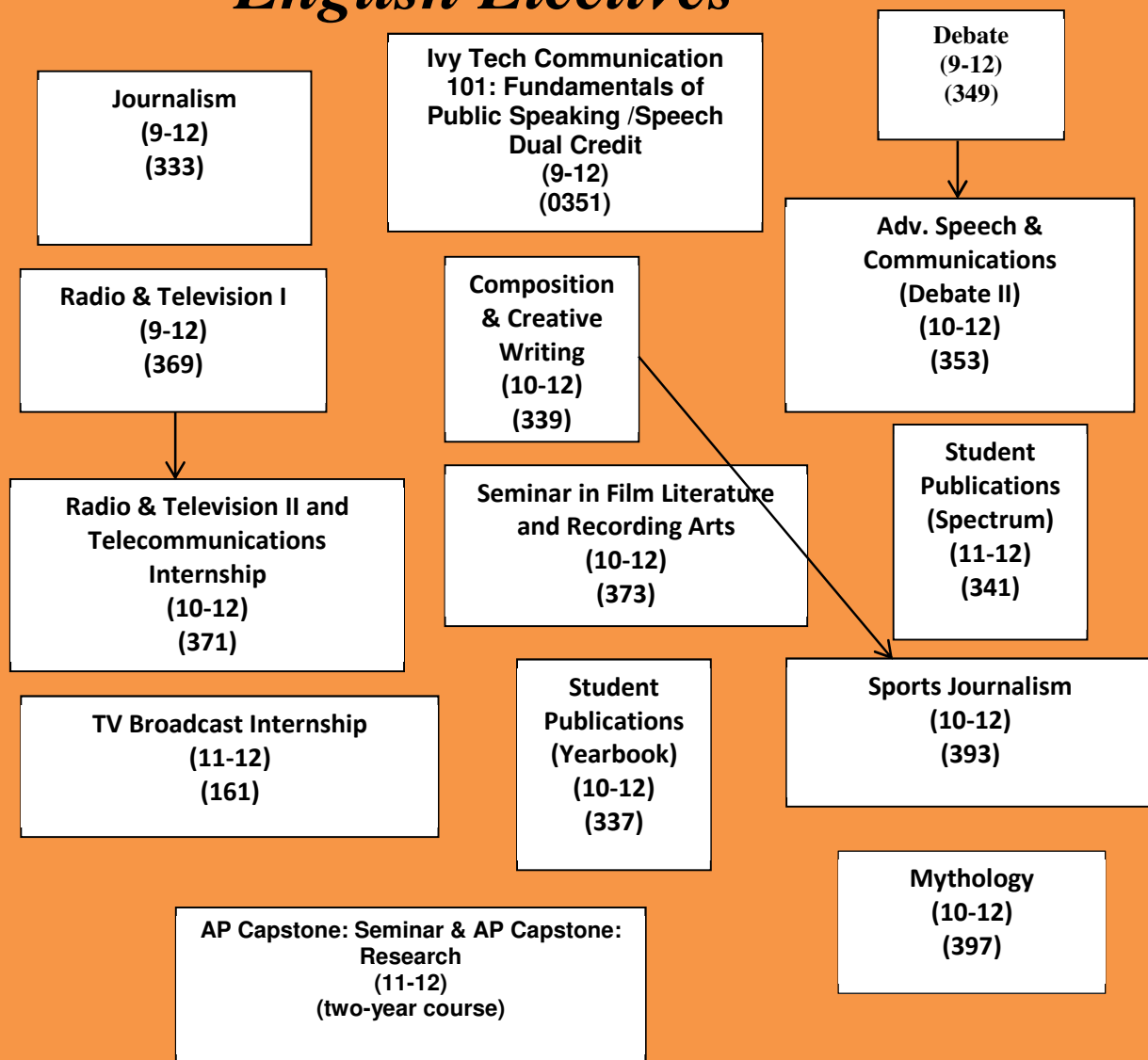
ACP English
Composition
(325)
ACP English
Literature
(326)
(use 3008)

or

AP English
Literature and
Composition
(329)

NOTE: Students must take four years of English, selecting one required course from each grade level. In addition to the required classes, students may also take classes from the electives list.

English Electives



Pre-AP Recommended Placement Criteria:

Pre-AP English 9 and 10, as well as AP English Language and AP English Literature courses, use replacement curriculum based upon College Board Standards. ACP English, which requires a completed application, uses the Indiana University Freshman English curriculum. Ivy Tech dual credit courses use curriculum prescribed by the college and its faculty. Students who enroll in these classes should expect to be challenged and well-prepared for both college and career experiences.

All Students who have been identified by the corporation as High Ability in English are expected to enroll in Pre-AP (Honors) English courses. Additionally, all students who have been successful in previous English language arts courses and are highly motivated should enroll in Pre-AP (Honors) English courses.

Studies have shown that students who take at least one college-level course in high school are better prepared for the college experience and are more likely to complete college in four years. Preparation for and enrollment in English ACP and/or AP courses is highly encouraged.

Parents and students should make the decision to enroll students in Pre-AP English (Honors) courses with the guidance of teachers and counselors.

ENGLISH 10 ***0307***

2 Semesters 2 Credits Grade: 10
Prerequisites: Passing both semesters of English 9

Supplemental Fee: \$5.00

Paperback Purchase: \$29.00

COURSE DESCRIPTION: [IDOE 1004] This course will give students an opportunity to improve and practice their basic communication skills through reading, writing, listening and speaking. Grammar will be taught in the context of writing. Students will learn how to present their ideas logically and coherently, how to present appropriate supporting details, and how to draw conclusions. Vocabulary, literature comprehension, journal writing, non-fiction, informational texts and poetry are core components of the course. Students will complete multiple writing requirements. Each semester students will write process papers and essays as unit summative assessments. Standardized testing preparation will be addressed within the Course as students take the graduation qualifying exam their sophomore year.

from the regular English 10 course in that this course pushes students to mastery of College Board Standards for College Success. This course emphasizes complexity of thought over difficulty of tasks. It is for students who are motivated, who are willing to work hard, who enjoy challenge, and who are able to work independently. Students analyze a variety of fiction and nonfiction pieces of literature, as well as informational texts, to explore the characteristics of quality writing. Students will complete several formal writing assignments including essays of personal experience, literary analysis and research, as well as timed writing essays given as unit summative assessments.

ENGLISH 11 ***0313***

2 Semesters 2 Credits Grade: 11
Prerequisites: Passing both semesters of English 10

Supplemental Fee: \$5.00

Paperback Purchase: 25.00

COURSE DESCRIPTION: [IDOE 1006] English 11 surveys American literary theme, emphasizing major writers and their works in relation to historical periods and common motifs. The literary styles and genres of the major literary movements will be studied. Readings will be derived from a variety of sources, including required novels and plays. Several literary selections will emphasize cultural diversity. Students will analyze literature through discussion and writing. A variety of learning techniques and student-centered activities involving oral communication, critical thinking, peer editing, collaboration, prewriting, drafting and revision will be used. Reading and writing will be treated as

PRE-AP ENGLISH 10 (Honors) ***0311***

2 Semesters 2 Credits Grade: 10
Prerequisites: See Pre AP Recommended Placement Criteria

Supplemental Fee: \$5.00

Paperback Purchase: \$31.00

COURSE DESCRIPTION: [IDOE 1004] English 10 Honors is designed to prepare students for success in future AP classes, as well as success in college and careers in general. It is more than just "regular English plus." This course is fundamentally different

interrelated processes in the study of the American experience. SAT vocabulary study will be included.

ENGLISH 11 and US HISTORY SEMINAR
317/1111 (use 3005)

Semesters: 2 Credits: 2 Grade: 11

Prerequisite: None

Textbook Fee: TBA

Supplemental Fee: \$5.00 (History) plus \$20.00 (English)

Additional Costs: Possible Field Trip

COURSE DESCRIPTION: [IDOE 1542/1006] This course examines the American experience through a thematic approach of America's political, social, and economic history. The objective will be to investigate what is the American experience and its constant evolution. This course will move from the Industrial Revolution to present day. Simultaneously students will read pieces of literature that exemplify the time period and allow students a broader understanding of America's historical writers and struggles through a literary lens. Students will be asked to work individually as well as collaboratively throughout the course. Students will develop and hone critical writing, reading, and thinking skills throughout the course.

**AP ENGLISH LANGUAGE & COMPOSITION/
AP US HISTORY
SEMINAR** **0327/1161 (3067)**

2 Semesters 4 Credits Grade: 11

(2 Credits in AP Lang & 2 Credits in AP US History)

Prerequisite: See Pre-AP Recommended Placement Criteria

US History Supplemental Fee: \$5.00

English Supplemental Fee: \$5.00

Paperback Purchase: \$25.00 (US History)

Paperback Purchase: \$40.00 (English)

Additional Cost: AP Exam TBD by College Board, approx. \$92.00 (English) \$92.00 (US History)

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1056/1562] Enrollment in AP Language/AP U.S. History Seminar signals a decision to begin studying language and history at the college level. Advanced Placement courses are modeled after college freshman courses and are designed for motivated students who have the desire and determination to gain Advanced Placement credit while still in High School. This seminar will integrate literature with history and will encompass history and literature from the Age of Exploration to present-day America. In addition, the course will

emphasize collaborative learning, providing students with the opportunity to further develop both their practical, problem-solving skills and their analytical skills. Finally, students will redefine their ability to respond to non-fiction texts with fluency, clarity, and accuracy. Students who enroll in this course must possess strong writing and critical thinking skills as demonstrated by their work in previous English and Social Studies classes. ***NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.***

AP ENGLISH LANGUAGE & COMPOSITION
0315

2 Semesters 2 Credits Grade: 11

Prerequisites: See Pre-AP Recommended Placement Criteria

Fee: \$5.00

Paperback Purchase: \$40.00

Additional Cost: AP Exam TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1056] Advanced Placement Language and Composition is modeled after a college freshman composition course designed for motivated juniors who are committed to the study of writing and who have the determination to gain college credit or advanced placement in English while still in high school. Study is centered on the analysis and creation of non-fiction essays. The purpose of the course is to develop the student's ability to compose essays which demonstrate fluency, clarity, and accuracy. Students will read and analyze significant works of American literature, predominantly nonfiction, from the pre-colonial era through the present time, emphasizing major writers and their works in relation to historical and literary periods, themes, and literary terms. Students who enroll in this course must possess strong writing and critical thinking skills as demonstrated by their work in previous English classes. All students enrolled in this course will take the AP Language and Composition exam in the spring. ***NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.***

**ACP US HISTORY H105/H106 (I.U.) and
ENGLISH 11 HONORS SEMINAR 0320/1179
(use 3086)**

Semesters: 2 Credits: 2 Grade: 11
Prerequisite: Must meet I.U. admissions requirement: Students enrolled in ACP US History for IU credit must pay the additional hourly fee assessed by Indiana University to cover the cost of 6 credit hours.

Textbook Fee: TBA

Supplemental Fee: \$5.00 (History) and \$20.00 (English)

Additional Costs: Possible Field Trip TBA

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1542/1006] This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Although this course is offered to meet Indiana's state standards for US History credit, its applicants must meet guidelines prescribed by Indiana University. Students will earn six credit hours that are accepted at not only Indiana University, but all other state schools as well as over 700 colleges and universities across the country. The student will be awarded a weighted grade for the history portion of the class. The course will focus on various themes beginning with the age of exploration and continuing through the Reagan presidency. Students will focus on these themes through various strategies including reading primary and secondary sources, and historical writing projects and presentations. ACP United States History is a course that allows students an in-depth study of the history of our great nation. Students are awarded three credit hours per semester for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit. The course will also develop students' skills in writing, critical thinking, literary analysis, and close reading. Texts that support the historical context will be explored including poetry, short stories, novels, etc. Students will be asked to work individually as well as collaboratively throughout the year.

ENGLISH 12 0321

2 Semesters 2 Credits Grades: 12

Prerequisite: English 9, 10, 11

Paperback Purchase: \$15.00

Supplemental Fee: \$8.00

Additional Costs: Possible Field Trip

COURSE DESCRIPTION: [IDOE 1008] this course is a culminating language arts experience for

seniors. It seeks to pursue these essential questions:

- What are the antecedents of modern media representations in our culture?
- How do modern media representations affect culture and society?
- What problems do we see with representations of race, class, gender and sexuality in modern media?

Students will be challenged to summarize, analyze, and synthesize reading, speaking, viewing, and listening experiences through the writing process. Students will write frequent informal writing pieces, as well as formal, full-process essays that include multiple drafts and revisions. Students will write grade-appropriate fictional narrative, responses to literature and media, historical/ research-based reports, and create and deliver multimedia presentations. The curriculum will be a rich mixture that includes classic literature, poetry, music, sports and current events, mythology, art, film, television, and other popular culture texts and media. This will be a unique class environment that requires an interactive, engaged approach by the student; in return, the instructor will provide relevant, exciting content that ranges from Homer to Edgar Allan Poe to Christopher Nolan. Ultimately, this course can unlock the potential for students to become producers of media rather than mere consumers of it.

ENGLISH 12: IVY TECH ENGL 111/112

0398/0399 (use 3082)

2 Semesters 2 Credits Grade: 12

Textbook Purchase: TBA

Paperback Fee: \$20.00

Supplemental Fee: \$15.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1008] English composition is designed to develop students' abilities to think, organize, and express their ideas clearly and effectively in writing. This course incorporates reading, research and critical thinking. Emphasis is placed on the various forms of expository writing such as personal, comparison, analysis, persuasion, and argumentation. Students wishing to take the class for dual credit need to meet the IVY Tech requirements for admission. This course focuses entirely on non-fiction texts and writing. This is not a literature course. A research paper is required. Numerous in-class writing activities are required, in addition to extended essays written outside of class. E112 continues the work of 111, emphasizing the persuasion and argumentation aspects of writing.

ACP COMPOSITION & LITERATURE (I.U.)
W131 Reading, Writing, & Inquiry
0325 (use 3008)

L202 Literary Interpretation 0326

1 or 2 Semesters 1 or 2 Credits Grade: 12

Prerequisites: See Pre-AP Recommended Placement Criteria.

Textbook Purchase: Sem. 1: TBD

Textbook Purchase: Sem. 2: TBD

Paperback Purchase: \$22.00

Supplemental Fee: \$5.00 each semester

Possible Field Trip

Additional Cost: Should a student wish to receive ACP credit in composition (W131) and/or literature (L202), an additional hourly fee will be assessed by Indiana University.

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1124] Each semester of ACP (Advance College Project) is a dual credit course offered through Indiana University and transferable to more than 400 colleges and universities nation-wide, meaning that the course fulfills the credit requirements for Penn High School's English 12 *and* for college-level English (W131, college-level freshman composition in the fall and L202, college-level sophomore literary analysis in the spring.) Students are awarded three college credit hours for each semester in which they earn a grade of C or better, so they start building college transcripts and earning college credit while still in high school. By participating in the ACP program, students can prepare themselves for the rigors of college classes at their own pace by taking one or two classes per semester in high school. Indiana University carefully screens applicants so that those who are accepted are likely to be successful. ACP courses are carefully monitored by Indiana University, and the instructors are specially trained so that the classes at the high school mirror what is offered on the college campus. The program offers challenging material for the college-bound student.

AP ENGLISH LITERATURE & COMPOSITION
0329

2 Semesters 2 Credits Grade: 12

Prerequisites: Any student who has had success in previous English/Language Arts classes and who is highly motivated may register.

Supplemental Fee: \$5.00

Paperback Purchase: \$40.00

Additional Cost: AP Exam TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1058] Advanced Placement English Literature and Composition is designed for the able and ambitious high school student who is committed to the close study of literature and who has the desire and determination to gain college credit or advanced placement in English while still in high school. Written papers and oral presentations will be regularly required. Masterpieces representative of each literary type will be studied. Students will also regularly practice for the objective and written parts of the AP exam. All students enrolled in this course will take the AP Literature and Composition exam in the spring.

NOTE: Students will complete a summer reading assignment. The summer reading will be posted online and will be available from the current AP Literature instructors. Students enrolled in AP Literature are expected to have all summer reading completed by Labor Day.

NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.

SPEECH: IVY TECH COMM 101 0351
Fundamentals of Public Speaking

2 Semesters Grades 9-12

3 Credits Ivy Tech 2 Credits Penn

Supplemental Fee: \$10.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1078] This is a dual-credit course that will allow students an opportunity to earn 3 college-level credits. COMM 101 introduces fundamental concepts and skills for effective public speaking, including audience analysis, outlining, research, delivery, critical listening and evaluation, presentational aids, and use of appropriate technology, class lecture, class discussion, student presentations, and other active learning techniques will be used in this course. A prerequisite is required for the Ivy Tech portion of the course.

DEBATE I 0349

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Supplemental Fee: \$20.00

COURSE DESCRIPTION: [IDOE 1070] In this course, speaking skills will be developed with specific emphasis on logical thinking, analysis,

research, statistics, persuasion and argumentation. The course will cover the following types of public speaking: two-person debate, Lincoln-Douglas debate, extemporaneous and impromptu speaking, and Student Congress. Students may be given the opportunity to participate in interscholastic competition.

**ADV SPEECH & COMMUNICATION 0353
(DEBATE II)**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Debate I

Supplemental Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1078] This course is for students interested in further developing their speaking skills. Increased emphasis will be placed on logical thinking, analysis, research, statistics, persuasion and argumentation, as they apply to the current National Debate Topic. Specific emphasis will be given to advanced forms of affirmative cases and negative strategies. Students may be given the opportunity to participate in interscholastic competition.

JOURNALISM 0333

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1080] In addition to encouraging students to develop civic literacy and an understanding of the power of today's media, this course will provide students with the theoretical and practical background in the field of journalism with an emphasis on training for eventual work on school productions. Students will realize the importance of accuracy, objectivity and conciseness in journalistic endeavors and will become media consumers. Students will practice extensively the techniques of newsgathering, interviewing, writing and copy editing. Students will also learn about effective design of publications, advertising, photography, and broadcasting.

**STUDENT PUBLICATIONS 0337
(Yearbook)**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: None

Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1086] This course emphasizes magazine writing and design

techniques. The yearbook class is responsible for production of the school yearbook, Bittersweet. Instruction in feature writing, technical aspects of lay-out, informative headlines and captions, as well as the basics of photographic composition, will be emphasized. Students must be highly organized and disciplined. Each student will have specific responsibilities; evaluation will be based upon completion of those duties. Since all copies are processed with InDesign software, keyboard skills and computer literacy are necessary. In order to meet yearbook deadlines, students will be required to work after school on production. Students will also need to sell advertising.

CREATIVE WRITING / COMPOSITION 0339

2 Semesters 2 Credits Grades: 10-12

Prerequisite: None

Textbook Purchase: TBD

Supplemental Fee: \$7.00

COURSE DESCRIPTION: [IDOE 1092/1090] This course is designed for the student who enjoys writing and is interested in developing an awareness of and techniques for effective creative expression in both prose and poetry. Students will be required to complete semester projects, compose short stories, keep journals on a regular basis, and complete various writing exercises aimed at expanding and polishing writing style. Students will be encouraged to submit their work to Spectrum, Penn's literary magazine. This is an elective English course that may be selected in addition to the required English courses.

**STUDENT PUBLICATIONS 0341
(Spectrum)**

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Composition/Creative Writing

Supplemental Fee: \$7.00

Additional: Field trip \$5.00

COURSE DESCRIPTION: [IDOE 1086] Students who have taken Composition/Creative Writing may elect to enroll in Student Publications (Spectrum). This course, designed for the serious writing student, continues to focus on the goals of Creative Writing/Composition (journal writing, personal narrative, fiction and poetry) with the addition of the publication of Spectrum, Penn's literary magazine. Students will be involved in every aspect of the publishing process from the collection of work, to editing, to lay-out, and, finally, to disbursement. Some after-school time may be necessary as

deadlines approach. This is an elective English course that may be selected in addition to the required English courses.

RADIO & TELEVISION I 0369

(Formerly Mass Media/Tech Comm. I)

2 Semesters 2 Credits Grades 9-12

Prerequisite: None

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 5986] In this introductory class to mass media and journalism, students will develop media literacy through instruction and practice. Students will engage in all facets of production, and they will develop a portfolio of work that will include news-writing, broadcast production, multimedia stories, and storytelling in new and emerging media. Students will learn all aspects of production in the PNN television studio, and in the second semester, they will produce a daily news show for pnn.phmschools.org. This publications class lays the groundwork for further study in this field (and for Radio & Television II, 0371). More information can be found at massmediastudies.net.

**RADIO & TELEVISION II and
TELECOMMUNICATIONS INTERNSHIP 0371**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Radio & TV I, application and instructor's approval

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 5992] After taking *Radio & Television I 0369*, these publications students will continue their work in the PNN Studio and at pnn.phmschools.org. This class runs the newsroom and studio for 180 days, and they are responsible for providing Penn High School complete coverage of school news. These students shoot 90 shows per year, and compete in state and national competitions. As a requirement of the class, students are expected to work outside of school hours to cover events that include extra-curricular functions at Penn High School and in Saint Joseph County. Students can enroll in local production internships, and if eligible, may take the class for dual credit. More information can be found at massmediastudies.net.

FILM LITERATURE /

RECORDING ARTS SEMINAR 0373

2 Semesters 2 Credits Grades: 10-12

Prerequisite: None

Supplemental Fee: \$7.50

COURSE DESCRIPTION: [IDOE 1034/4790] Beginning with media literacy, students participating in this class will not only develop a critical analysis of the moving picture medium, but they will also produce independent film projects. Students will examine production—from the authoring of screenplays all the way through the production, and post-production stages of film creation. Instruction will be provided through selected readings, and the study of the history of filmmaking, utilization of various technologies, lab work, and time in the field producing independent film projects. Students will have the opportunity to screen their work in competitions and film festivals. The class will culminate with Penn High School's own Film Festival held in May. More information can be found at <http://massmediastudies.net>.

TV BROADCAST INTERNSHIP 0161

(Formerly TV Broadcast/Telecommunications)

2 Semesters 2 Elective Credits Grades: 12

COURSE DESCRIPTION: [IDOE 5260] In this introductory class to mass media production, students develop media literacy through instruction and practice, and they engage in all facets of production in the PNN television studio. Members of the class produce a variety of projects in the studio, and they take them from concept to complete. Students develop a portfolio of work that includes television productions, news segments, music videos, public service announcements, commercial spots, live broadcasts, and multimedia stories. Students gain experience in all aspects of production in the PNN television studio, and they sometimes produce news shows for pnn.phmschools.org. This publications class lays the groundwork for further study in this field and other publications classes such as MASS MEDIA / TECH COMM II, 0371. More information can be found at massmediastudies.net.

MYTHOLOGY

(Elective Course)

0397

2 Semesters 2 Credits Grades: 10-12

Prerequisites: None

Textbook Fee: \$30.00

Paperback Purchase: \$15.00

Supplemental Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1048] Are you the type of student who reads the latest Rick Riordan, fantasy, or Harry Potter novel late into the night? Or perhaps you're a student who has been waiting for a chance to take Mythology to learn about those characters and cultures you've been missing out on. For any of you who fit one of these categories, or those who are simply interested in delving into something new, the new Myth elective is for you. This course is designed for those students who wish to examine common ideas and themes from various cultures. The course will include traditional Greek and Roman mythology, but will branch out to include Norse, Celtic, Egyptian, Asian, North American, South American (including Mayan and Aztec), and African. One aim of the course is to show common concerns and beliefs among the various cultures and make connections to modern life today. In addition, the course strives to give students an underlying knowledge from which to draw in the future.

SPORTS JOURNALISM

0393

2 Semesters 2 Credits Grades: 10-12

Prerequisites: None

Supplemental Fee: \$25.00

COURSE DESCRIPTION: [IDOE 1080] Students will promote athletics at Penn High School and provide information about Penn athletics through a variety of ways. Students will produce content for sports publications and a Penn athletics website.

Sports journalism students will also create a recruiting center website that would post profiles and video highlights of Penn student-athletes to showcase athletes to college recruiters. In addition, students will produce profiles of Penn student-athletes and create media notes to be distributed to local and state media, promoting Penn student-athletes for all-state honors. Students will also be involved in video interviews with Penn student-athletes, putting together video highlight packages featuring Penn student-athletes, and broadcasting Penn athletic events. Students will also market Penn athletic events. Students must apply for the course through the Counseling Office.

BASIC SKILLS DEVELOPMENT:

ENL STRATEGIES

1655

2 Semesters 2 Credits Grades 9-12

Recommendation: Students with limited English proficiency only

Workbook Purchase: TBD

Textbook Rental: \$14.00 Fee: \$10.00

COURSE DESCRIPTION: [IDOE 0500] Basic Skills Development is a multidisciplinary course which provides students continuing opportunities to develop basic skills in the areas of: (1) reading, (2) writing, (3) listening, (4) speaking, (5) academic language, (6) note-taking, (7) mass-media, (8) and problem-solving skills that are essential for high school course work achievement. Course content is based on the Indiana State proficiencies & WIDA standards, individual school corporation curriculum plans, and student Individualized Learning Plans (ILP). Credits earned in this course are elective credits. For more information about the English as a New Language program, visit enl.phmschools.org

ART

Students are encouraged to explore all of the visual arts courses. 2-D design is a great introductory course designed for students with no previous background in art.

2-D Design

(149)

1 Semester

3-D Design

(150)

1 Semester

Art History I & II

(155/156)
(use 3037 to
schedule)

AP Art History Seminar

w/English 10H
(312/163)
(use 3068 to
schedule)

Entertainment Design

I&II (171/172) (use 3034)

III&IV (177/178) (use 3073)

Painting

I & II - 101/102 (use 3010)

III & IV - 103/104 (use 3011)

V & VI - 105/106 (use 3012)

Media Arts

(Photography)

I & II - 141/142 (use 3030)

III & IV - 143/144 (use 3031)

Drawing

I & II - 117/118 (use 3018)

III & IV - 118/120 (use 3019)

Ceramics

I & II - 109/110 (use 3014)

III & IV - 111/112 (use 3015)

Graphic Design

I & II - 133/134 (use 3026)

III & IV - 135/136 (use 3027)

Sculpture

I & II - 125/126 (use 3022)

III & IV - 127/128 (use 3023)

AP Studio Art

2-Dimensional

Juniors - 151/152 (use 3035)

Portfolio Exit Project

(0169)

**AP Art History
(165)**

Printmaking

**(167)
(1Sem.)
(2nd)**

All classes must be taken in sequence. For example, Drawing 117/118 must be taken before Drawing 119/120. There are no prerequisites for any beginning level course and students may take more than one beginning level course at a time. Students need to use the "3000" digit number to schedule full year courses.

Visual Arts

All visual art courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors

The visual arts offer a unique opportunity for students to explore their creative, intuitive, and imaginative talents. Incoming freshman students will begin their exploration of the visual arts by selecting *Introduction to 2-Dimensional Art* and/or *Introduction to 3-Dimensional Art*. As sophomores and beyond, students may choose any of the following elective art courses: Drawing, Ceramics, Media Arts, Painting, Sculpture, Graphic Design, Entertainment Design, or Art History. All art courses will build on the sequential learning experiences of the Visual Arts program that encompass art history, art criticism, aesthetics, and production, which lead to the creation of portfolio quality works of art. *All visual art courses qualify for Core 40 and Academic Honors diploma.*

**INTRODUCTION TO
TWO-DIMENSIONAL ART** **0149**
1 Semester 1 Credit Grades: 9-10-11-12
Studio Fee: \$ 20.00

COURSE DESCRIPTION: [IDOE 4000]
Introduction to 2-Dimensional Art is a 1-semester course intended to provide students with the basic skills and techniques in drawing, painting, design and printmaking. The 2/D course will help students generate new ideas, develop artistic skills, and foster student imagination. Pencil, chalk, charcoal, colored pencil, marker, tempera, acrylics, oil pastels and scratchboard may be some of the materials students will explore. Our goal is one in which students gain an appreciation for the arts, and learn how the arts can be integrated into other areas of study.

**INTRODUCTION TO
THREE-DIMENSIONAL ART** **0150**
1 Semester 1 Credit Grades: 9-10-11-12
Prerequisite: Students who have already received credit for another three-dimensional course, e.g., ceramics or sculpture, will not be allowed to take Introduction to 3 Dimensional Art.

Studio Fee: \$20.00
COURSE DESCRIPTION: [IDOE 4002]
Introduction to 3-Dimensional Art is the next phase of the introductory course intended to provide students with the basic skills and techniques in sculpture and ceramics. Clay, plaster, cardboard, textiles, and other 3-dimensional materials may be explored. Through these art experiences, young adult artists will find gratification in creating three-dimensional works of art. Our goal is one in which students gain an appreciation for the arts, and learn how the arts can be integrated into other areas of study.

CERAMICS I & II **0109/0110 (3014)**
2 Semesters 2 Credits Grades: 10-11-12
Prerequisite: Intro to 2-D or 3-D Art recommended
Studio Fee: \$40.00

COURSE DESCRIPTION: [IDOE 4040] This is a 2-semester course where you will learn to make your childhood mud pies into a creative and useful artwork. Your artwork will not only be a decorative piece of art, but you will be able to use it in your daily life or give it to someone as a gift of love. Students will explore coil, slab, pinch, drape and sculpture techniques to construct animal sculptures, bowls, boxes, masks, teapots, tiles and vessels that have a strong sense of color and texture designs.

CERAMICS III & IV **0111/0112 (3015)**
2 Semesters 2 Credits Grades: 10-11-12
Prerequisite: Ceramics I-II
Studio Fee: \$40.00

COURSE DESCRIPTION: [IDOE 4040] This course is a further study of clay, glazing, staining and design techniques. Wheel thrown pottery will be introduced. Independent studio practices emphasizing creativity and exploration into the realm of clay as pottery will be applied to nonfunctional and functional ware.

CERAMICS V & VI **0113/0114 (3016)**
2 Semesters 2 Credits Grades: 11-12
Prerequisite: Ceramics I-II-III-IV
Studio Fee: \$40.00

COURSE DESCRIPTION: [IDOE 4040] This course is a continuing study and development of ceramic skills and techniques, emphasizing the development of individual style. Traditional and contemporary clay sculpture will be applied as students work on free form ceramics and the

potter's wheel to create a series of nonfunctional and functional pottery.

***DRAWING I & II* 0117/0118 (3018)**

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Intro to 2-D or 3-D Art recommended

Studio Fee: \$35.00

COURSE DESCRIPTION: [IDOE 4060] This course is an introduction to the basic skills and techniques of drawing and composition. Emphasis will be placed on the elements of structure: line, shape, form, space, value, texture, and color as well as principles of arrangement. Students will explore various media such as pencil, charcoal, pastels, pen and ink, watercolor, marker, and printmaking techniques. Assignments may include: still life drawing, portraiture, perspective drawing, figure drawing, printmaking, scratchboard, graphic and abstract design. Students will be required to keep a sketchbook.

***DRAWING III & IV* 0119/0120 (3019)**

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Drawing I & II

Studio Fee: \$35.00

COURSE DESCRIPTION: [IDOE 4060] This course is a further study of the elements and principles of drawing and design. Students will explore a wide range of techniques as it applies to the various media. Assignments may include: landscape, life drawing, architectural and fashion design, illustration printmaking techniques such as linoleum, intaglio and monoprints, and mixed media. Students will be required to keep a sketchbook quarterly and shoot 1 roll of film per semester for visual references. Students must receive a C or better in previous drawing courses.

***DRAWING V & VI* 0121/0122 (3020)**

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Drawing III & IV

Studio Fee: \$35.00

COURSE DESCRIPTION: [IDOE 4060] This course is a continuing study of drawing and design techniques. Students that advance to this level have more project choices and are encouraged to develop a more personal style/focus. Students will be required to keep a sketchbook quarterly and shoot 1 roll of film per semester for visual references. Assignments may include: landscape, life drawing, architectural and fashion design, illustration printmaking techniques such as linoleum, intaglio and monoprints, and mixed

media. This course combines particularly well with AP Studio Art senior year for serious art students. Students must receive a C or better in previous drawing courses.

***GRAPHIC DESIGN I & II* 0133/0134 (3026)**
(Year One)

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Intro to 2-D Art or Drawing I or strong drawing background with a portfolio

Studio Fee: \$40.00 (class fee includes technology related tools, software, and materials)

COURSE DESCRIPTION: [IDOE 4086] Saul Bass once said "design is thinking made visual." This career-oriented course is more about the conceptual process and how critical thinking skills merge with the visual image. To this end, students will learn a broad range of tools and techniques, designed to bring the visual message to the everyday part of our visual landscape. Emphasis will be placed on image development, critical thinking alternatives, color theory, and design techniques. Students will also explore the fundamentals of advertising, marketing, computer graphics, type design, and various forms of illustration; pen-n-ink: color pencil, and computer.

***GRAPHIC DESIGN III & IV* 0135/0136 (3027)**
(Year Two)

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Graphic Design I & II

Studio Fee: \$35.00 (class fee includes technology related tools, software, and materials)

Materials: Approx. \$30.00 (May be purchased at the Bookstore)

COURSE DESCRIPTION: [IDOE 4086] Second year graphic design students will embark in the field of computer graphics as they work extensively in Adobe CS6. Students will embrace computer graphics and digital photo manipulation as they integrate digital processes into their own art making. Assignments will include: computer splash, magazine/poster designs, cd/dvd covers, type designs and digital illustration. Students in this course will follow a more career-oriented path.

***GRAPHIC DESIGN V & VI* 0137/0138 (3028)**
(Year Three)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Graphic Design III & IV

Studio Fee: \$35.00 (class fee includes technology related tools, software, and materials)

Materials: Approx. \$30.00 (May be purchased at the Bookstore)

COURSE DESCRIPTION: [IDOE 4086] Third year graphic design students will further examine the functional approach to design as they pursue a more practical approach to design, committed to community related projects. Students in this class will establish a reputation for providing an In-House Ad Agency as they create logos, brochures, posters, DVD/CD cover designs, DVD movies, etc., for our community and school organizations. This In-House Agency approach to teaching will reflect a "real life" scenario, which will lead to a professional graphic design portfolio. Emphasis will be placed on the functional approach to design, while highlighting both personal expression and visual problem solving.

GRAPHIC DESIGN

INTERNSHIP **0139/0140 (3029)**
(Year Four)

2 Semesters 2 Credits Grade: 12

Prerequisites: Approval of Instructor

Studio Fee: \$55.00 (class fee includes technology related tools, software, and materials)

COURSE DESCRIPTION: [IDOE 5892] This internship course is intended for the serious-minded student who wishes to: (1) work on an independent basis in an attempt to build a college/institute portfolio, (2) contribute by becoming the creative director for our In-House Agency projects. This student will be the point person in charge of leading some of our advanced graphic design students as they work on community and non-for-profit projects. They will be instrumental in working with the instructor as they develop strong leadership skills. This course *may* be available for dual credit. As part of this Work-Based Learning experience, students will complete a number of components resulting in a portfolio.

MEDIA ARTS /

PHOTOGRAPHY I & II **0141/0142 (3030)**

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Intro to 2-D or 3-D Art recommended. Student must have access to a 35mm SLR manual camera.

Studio Fee: \$35.00

Additional costs: student-purchased supplies outside of school

COURSE DESCRIPTION: [IDOE 4062] Students will explore the basic principles of black and white 35 mm photography. Shutter speed, aperture, depth of field, ASA/ISO film speed, lighting, processing and developing techniques will be taught. Emphasis will be placed on lighting, composition, subject matter, and dark room techniques. Other methods for making visual images will be explored such as pinhole photography, photograms, hand coloring, and toning. Students will gain familiarity with the history of photography.

MEDIA ARTS /

PHOTOGRAPHY III & IV **0143/0144 (3031)**

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Media Arts/Photography I-II.

Students must have access to a digital camera along with their 35 mm manual camera.

Studio Fee: \$35.00

Additional costs: student-purchased supplies outside of school

COURSE DESCRIPTION: [IDOE 4062] Students will further explore black and white 35mm photography. Students will focus on building their skills using creative controls of aperture, shutter speed, film, and focusing. Emphasis will be placed on composition, lighting, subject matter, and darkroom techniques. Students will begin to explore digital photography.

AP STUDIO ART 2-D DESIGN PORTFOLIO – Senior Year **0173/0174 (3070)**

(Media Arts / Photography)

2 Semesters 2 Credits Grade: 12

Prerequisite: Media Arts/Photography III-IV, permission of instructor with application, must have access to a digital camera

Studio Fee: \$35.00

Additional costs: student-purchased supplies outside of school

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 4050] Students will further explore the world of digital photography creating portfolio quality works and gaining essential photo shop skills. The Advanced Placement (AP) Studio Art program enables highly motivated students to do college-level work in studio art while still in high school. The program is intended to help students build a professional portfolio that can be submitted for entrance to an Art College, University, or Institute as well as scholarship opportunities. Guidelines for Advanced Placement Studio Art portfolios have been

designed to accommodate a variety of interests and approaches to art. Students must submit 24 pieces that will be evaluated on the basis of quality (student's most successful works with respect to form and content,) concentration (sustained, deep, and multi-perspective investigation of a student-selected topic,) and breadth (a range of ideas and approaches to art-making.). Portfolios will be submitted for evaluation at the end of the semester to the AP College Board. Automatic portfolio submission, however, does not guarantee college credit. This decision is determined by the individual school. It is highly recommended that you reference this link regarding the AP Studio Art 2-D Design Portfolio:

http://apcentral.collegeboard.com/apc/members/exam/exam_information/2134.html

PAINTING I & II **0101/0102 (3010)**

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Intro to 2-D or 3-D Art recommended.

Studio Fee: \$30.00

COURSE DESCRIPTION: [IDOE 4064] This course is an introduction to the basic principles of painting. Students will have an opportunity to explore various techniques associated with watercolor, tempera, acrylics, and oil paints. Connections will be made between historically significant painters and periods of art. First year painting students will learn to merge the brush stroke with their imagination.

PAINTING III & IV **0103/0104 (3011)**

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Painting I & II

Studio Fee: \$30.00

COURSE DESCRIPTION: [IDOE 4064] This course gives students the opportunity to expand upon the methods of painting learned in beginning painting. Students will experiment with new techniques and begin to develop a personal style.

PAINTING V & VI **0105/0106 (3012)**

2 Semesters 2 Credits Grades 11-12

Prerequisite: Painting III & IV

Studio Fee: \$30.00

COURSE DESCRIPTION: [IDOE 4064] This course is a continuing study of painting principles and techniques emphasizing the development of an individual style. Assignments will be open-ended and student driven, while attempting to create a personal portfolio.

SCULPTURE I & II **0125/0126 (3022)**

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Intro to 2-D or 3-D Art recommended

Studio Fee: \$35.00

COURSE DESCRIPTION: [IDOE 4044] This course introduces the basic principles and techniques of sculpture using a variety of materials. Assignments will include sculptural techniques and methods of additive, subtractive, and constructive processes using such materials as clay, cardboard, paper, foamboard, wire, plaster, found objects, paper mache', etc.

SCULPTURE III & IV **0127/0128 (3023)**

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Sculpture I-II, application, and 2nd semester enrollment required

Studio Fee: \$35.00

Additional cost: student-purchased supplies in the Penn Bookstore

COURSE DESCRIPTION: [IDOE 4044] This course is a further study of sculpture with emphasis on the human form and the relationships of size, space and forms in the environment. Students carve a sculpture from soapstone. Other assignments may include: clay, plaster, cardboard, wood carving, paper mache' sculptures, constructivism bust, and creating 3-Dimensional building, etc.

SCULPTURE V & VI **0129/0130 (3024)**

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Sculpture I-II-III-IV, application, and 2nd semester enrollment required

Studio Fee: \$35.00

Additional cost: student-purchased supplies in the Penn Bookstore

COURSE DESCRIPTION: [IDOE 4044] This course is a continuing study of sculptural principles and techniques emphasizing the development of an individual style. Student assignments may include: realistic clay bust, alabaster sculpture, wax sculpture, found objects in metal, plaster, and casting of the human form, wood carving, glass creations etc...

ART HISTORY I & II **0155/0156 (3037)**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Intro to 2-D or 3-D Art recommended.

Required enrollment in Art History II, 2nd semester.

Fee: \$15.00

COURSE DESCRIPTION: [IDOE 4024/4020] Through lectures, slide presentations, videos, guest speakers, and special art projects, art history students will develop an appreciation for art history and cultures. Students will classify major styles of art and artists, and develop a foundation for understanding the historical progression of art. In addition, students will search for meaning and significance in art history by exploring studio techniques and processes related to historical periods.

AP ART HISTORY 0165

2 Semesters 2 Credits Grades: 11-12

Prerequisite: None

Fee: TBA

Paperback: \$15.00

Additional Cost: AP Exam TBD by College Board, approx. \$91.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 4025] In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the function and effects of works of art.

PRINTMAKING 0167

1 Semester (2nd) 1 Credit Grades: 10-12

Prerequisites: 2 semesters of an art class that involves the development of drawing skills:

Drawing I & II or Graphic Design I & II or Introduction to 2D & 3D Art

Fee: \$20.00

COURSE DESCRIPTION: [IDOE 4066] This is a one semester class designed for students that want to explore a variety of art techniques that can be expressed through printmaking. Some background in drawing and experience in development of drawing skills and the understanding of the elements and principles and what make a good composition will prove to be most helpful in making effective printmaking projects. The most important factors are willingness to draw, experiment, try, and meet goals. Many different types of printmaking will be explored. Some of these may include: rubbings, eraser block, stencils, glue prints, various types of linoleum blocks, etching, mono-prints and mono-types.

Pre-AP STUDIO ART 2-D DESIGN PORTFOLIO – Junior Year

0151/0152 (3035)

(Drawing, Painting, Computer, & Graphic Design)

2 Semesters 2 Credits Grade: 11

Studio Fee: \$40.00

COURSE DESCRIPTION: [IDOE 4004] <http://apcentral.collegeboard.com/apc/members/exam> This course is open to Juniors as a prerequisite to the AP Senior Studio. Juniors will not submit their portfolio until their senior year. Students will create a portfolio in drawing, painting, computer, or graphic design that can be partially used senior year. The submission fee is waived. This program is intended for students seriously committed to studying art in drawing, painting, computer, and graphic design. Students participating in the program should strive to produce high quality artwork, and their submitted portfolios should reflect this effort. The guidelines for Advanced Placement Studio Art portfolios have been designed to accommodate a variety of interests and approaches to art and design. There are three required sections to the portfolio: quality (student's most successful works with respect to form and content,) concentration (sustained, deep, and multi-perspective investigation of a student-selected topic,) and breadth (a range of ideas and approaches to art-making.) This course is a great opportunity to apply for art scholarships and prepare for senior year and a future in the fine arts field. **There is no AP credit until senior year.* It is highly recommended that you reference this link regarding the AP Studio Art 2-D Design Portfolio: exam.information/2134.html

AP STUDIO ART 2-D DESIGN PORTFOLIO – Senior Year 0153/0154 (3036)

(Drawing, Painting, Computer, & Graphic Design)

2 Semesters 2 Credits Grade: 12

Prerequisites: Successful completion of Pre-AP Studio Art 2-D Design with submission of portfolio Studio Fee: \$40.00

Additional Fee: AP Exam Fee TBD by College Board, approx. \$91.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 4050 or 4048] The Advanced Placement (AP) Studio Art program enables highly motivated students to do college-level work in studio art while still in high school. The program is intended to help students build a professional portfolio that can be submitted

for entrance to an Art College, University, or Institute as well as scholarship opportunities. Guidelines for Advanced Placement Studio Art portfolios have been designed to accommodate a variety of interests and approaches to art. Students must submit 24 pieces that will be evaluated on the basis of quality (student's most successful works with respect to form and content,) concentration (sustained, deep, and multi-perspective investigation of a student-selected topic,) and breadth (a range of ideas and approaches to art-making.). Portfolios will be submitted for evaluation at the end of the semester to the AP College Board. Automatic portfolio submission, however, does not guarantee college credit. This decision is determined by the individual school. It is highly recommended that you reference this link regarding the AP Studio Art 2-D Design Portfolio:

http://apcentral.collegeboard.com/apc/members/exam/exam_information/2134.html

**Pre-AP STUDIO ART 3-D DESIGN PORTFOLIO –
Junior Year 0157/0158 (3049)**

(Ceramics or Sculpture)

2 Semesters 2 Credits Grade: 11

**Prerequisites: 2 years of ceramics or sculpture,
or approval of instructor**

Studio Fee: \$40.00

COURSE DESCRIPTION: [IDOE 4006] This course is open to Juniors as a prerequisite to the AP Senior Studio Sculpture/Ceramics. *Juniors will not submit their portfolio until senior year.* Students will create part of their portfolio that can be partially used their senior year. The submission fee is waived. This program is intended for students seriously committed to studying art in sculpture or ceramics. Students participating in the program should strive to produce high quality artwork, and their portfolios should reflect this effort. The guidelines for Advanced Placement Studio Art portfolios have been designed to accommodate a variety of interests and approaches to art and design. There are three required sections to the portfolio: quality (student's most successful works with respect to form and content,) concentration (sustained, deep, and multi-perspective investigation of a student-selected topic,) and breadth (a range of ideas and approaches to art-making.) This course is a great opportunity to apply for art scholarships and prepare for senior year and a future in the fine arts field. **There is no AP credit until senior year.* It is highly recommended that you reference this link regarding the AP Studio Art 3-D Design Portfolio:

http://apcentral.collegeboard.com/apc/members/exam/exam_information/2135.html

**AP STUDIO ART 3-D DESIGN PORTFOLIO –
Senior Year 0175/0176 (3071)**

(Ceramics or Sculpture)

2 Semesters 2 Credits Grade: 12

**Prerequisites: Successful completion of Pre-AP
Studio Art in ceramics or sculpture.**

Studio Fee: \$40.00

**Additional Fee: AP Exam Fee TBD by College
Board, approx. \$91.00**

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 4052] The Advanced Placement (AP) Studio Art program enables highly motivated students to do college-level work in studio art while still in high school. Candidates of AP Studio Art – Senior Year will submit a portfolio of work for evaluation at the end of the semester in either 3-D Design Portfolio, Sculpture or Ceramics. The program is intended for students seriously committed to building a professional portfolio that will gain them entrance, with possible scholarship, to an Art College, University, or Institute. Students participating in the program will strive to produce high quality artwork, and their submitted portfolios should reflect this effort. The guidelines for Advanced Placement Studio Art portfolios have been designed to accommodate a variety of interests and approaches to art. There are three required sections to the portfolio: quality (student's most successful works with respect to form and content,) concentration (sustained, deep, and multi-perspective investigation of a student-selected topic,) and breadth (a range of ideas and approaches to art-making.) Portfolios will be submitted for evaluation at the end of the semester to the AP College Board. Automatic portfolio submission, however, does not guarantee college credit. This decision is determined by the individual school. It is highly recommended that you reference this link regarding the AP Studio Art 3-D Design

Portfolio: http://apcentral.collegeboard.com/apc/members/exam/exam_information/2135.html

**ENTERTAINMENT DESIGN I & II 0171/0172
(Year One) (3034)**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Drawing I or Intro to 2-D Art

Textbook Rental: TBD

Fee: \$35.00

COURSE DESCRIPTION: [IDOE 4082] Do you like movies, video games, and designing places and things? Do you have a creative and colorful visual imagination? Do you like to draw and paint? Entertainment Design is a branch of Design associated with films, video games, commercials and other popular media. Concept artists create visual ideas for others to bring into reality. Students will be using art to create a "product" that theoretically could be used in the creation of films, games, and commercials. Semester I focuses heavily on advanced art fundamentals such as perspective, lighting, form building and building proficiency with Adobe Photoshop. Semester II delves into a variety of basic digital methods for the creation of Environments, Creatures, Characters, Props, Vehicles, and set pieces. Students must be committed to daily homework for accelerated growth and skill mastery. This course acts as a "summary" of the novice skills used in the conceptual design process. You will learn the basics of working in a production pipeline, the business side of the industry, as well as designing for the camera and designing with functionality in mind.

**ENTERTAINMENT DESIGN III & IV
(Year Two) 0177/0178 (3073)**

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Entertainment Design I&II

Textbook Rental: TBD

Fee: \$35.00

COURSE DESCRIPTION: [IDOE 4082] This class builds on the foundational skill set from year 1 and focuses more on the process of *DESIGN* Concepts and methods learned from year one will be greatly expanded upon and additional creative methods

will be explored. A common theme of "World Building" will join all assignments together. Perspective will expand to cut-away and set design. Form Building will extend to creature anatomy/ functionality studies. Character design will translate to prop design. Hard-surface techniques will explore mechs and vehicles. Environment building will focus on story-driven elements. All content will move up a notch in complexity with the purpose of building a strong portfolio.

PORTFOLIO EXIT PROJECT 0169

1 Semester 1 Credit Grades: 11-12

Fee: \$20.00

**REQUIRED FOR ALL JUNIOR OR SENIOR ART
STUDIO MAJORS**

COURSE DESCRIPTION: [IDOE 4004] Junior or Senior art students who wish to pursue visual art as a career choice in college, are encouraged (Required) to enroll in, "Portfolio Exit Project." Topics covered in this course will include: artist statement, written and creatively produced resume', matted and digitally produced student portfolio of work. All Art Studio majors will present professionally prepared portfolios for review by a committee of art professionals including local artists, college faculty, and local art businesses. Completed portfolios will then be sent to the student's college/institute of choice, as they compete for admittance and scholarship.

**CAPSTONE COURSE
FOR THE FINE ARTS ACADEMY 0800**

2 Semesters 2 Credits Grade: 12

COURSE DESCRIPTION: [IDOE 4026] This course is for the senior Fine Arts & Communications Academy member who wishes to complete an academy capstone project. A capstone project will focus on the student's interest and/or college and career goals. The Capstone project will be designed by the student and instructor. The instructor will serve as a mentor, guiding the student through the design, planning, execution and evaluation of a relevant capstone project.

Band Course Sequence

**Freshmen Concert Band
(817)**



**Concert Band
(819)**



**Symphonic
Band
(839)**



**Symphonic
Winds
(841)**

**Intermediate
Jazz
(827)**
Must be enrolled in a
concert band class

**Advanced Jazz
(829)**
Must be enrolled in a
concert band class

**Percussion Studies
(823)**

**Advanced
Percussion Studies
(825)**

**Instrumental Chamber
Music
(849)**
Must be enrolled in a band
or orchestra class

Band

All band courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors.

***INTERMEDIATE CONCERT BAND 0817**
(Freshman Concert Band)

2 Semesters 2 Credits Grade: 9

Prerequisite: Currently enrolled in a band class or by permission of the instructor

Fee: \$45.00

COURSE DESCRIPTION: [IDOE 4168] This developmental course is open to all freshmen students who play a band instrument at an intermediate level. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. Interested students may audition (in January) for the marching band. The band performs several times during the year.

***INTERMEDIATE CONCERT BAND 0819**
(Concert Band)

2 Semesters 2 Credits Grade: 10-12

Prerequisite: Currently enrolled in a band class or by permission of the instructor

Fee: \$45.00

COURSE DESCRIPTION: [IDOE 4168] This concert band class is open to all Penn students who play a band instrument at an intermediate proficiency or better. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. Interested students may audition (in January) for the marching band. The band performs several times during the year.

***ADVANCED CONCERT BAND 0839**
(Symphonic Band)

2 Semesters 2 Credits Grade: 10-12

Prerequisite: Audition or permission of the instructor.

Fee: \$45.00

COURSE DESCRIPTION: [IDOE 4170] This advanced concert band class is available by audition to Penn students who play a band instrument at an upper intermediate to advanced level. Emphasis is placed on tone, technique development and sightreading. Advanced performance techniques are emphasized. Participation in the ISSMA Solo/Ensemble contest is encouraged. Serious band literature is selected from a variety of periods in music history. Private lessons are highly encouraged.

***ADVANCED CONCERT BAND 0841**
(Symphonic Winds)

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Audition or permission of the instructor

Fee: \$45.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4170] This advanced band is considered the top concert band at Penn High School. The band represents Penn High School in public performances and competitions. Advanced performance techniques are emphasized. Serious band literature is selected from a variety of periods of music history. Private lessons are required. All State Band participation is highly encouraged. This ensemble typically performs more concerts than other Penn Concert Bands.

***INSTRUMENTAL ENSEMBLE 0823**
(Percussion Studies)

2 Semesters 2 Credits Grades: 9-12

Prerequisite: Successful completion of three years in Middle School band as a percussionist or currently enrolled in Percussion Studies

Fee: \$45.00

COURSE DESCRIPTION: [IDOE 4162] The percussion studies class is comprised of students who have completed three years of middle school band as a percussionist or have successfully completed previous years of percussion studies. Students meet as a separate class to learn percussion techniques and reading skills for a wide variety of percussion instruments and literature. All students will perform with one of three concert bands (817, 819 or 839) for all concerts and contests. There will be 4-5 required performances throughout the year.

***INSTRUMENTAL ENSEMBLE 0825**
(Advanced Percussion Studies)

2 Semesters 2 Credits Grades: 9-12

Prerequisite: Audition or by permission of the instructor

Fee: \$45.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4162] The advanced percussion studies class is comprised of students who have completed three years of middle

school band as a percussionist or have successfully completed previous years of percussion studies. Students meet as a separate class to learn percussion techniques and reading skills for a wide variety of percussion instruments and advanced literature. All students will perform with one of two concert bands (839 or 841) for all concerts and contests. There will be several required performances throughout the year. Private lessons are required.

***INTERMEDIATE JAZZ ENSEMBLE 0827**

2 Semesters 2 Credits Grades: 9-12

Prerequisites: Must be enrolled in Symphonic or Concert Band and permission of instructor

Fee: \$20.00

COURSE DESCRIPTION: [IDOE 4164] This course is open to students also enrolled in an Intermediate or Advanced Concert Band. Pianists, guitarists, and bassists may audition into the ensemble without participation in a concert band. Emphasis is placed on tone and technique development and sight-reading skills. Jazz theory and improvisation are included in the course of study. The group performs several times each year.

***ADVANCED JAZZ ENSEMBLE 0829**

2 Semesters 2 Credits Grades: 10-12

Prerequisites: Must be enrolled in Symphonic or Concert Band and approved by audition

Fee: \$20.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4164] This course is available by audition to students also enrolled in an Intermediate or Advanced Concert Band. Pianists, guitarists, and bassists may audition into the ensemble without participation in a concert band. Emphasis is placed on tone and technique development and sight-reading skills. Jazz theory and improvisation are included in the course of study. The group performs several times each year. Students with previous instrumental study may enroll.

***INSTRUMENTAL CHAMBER MUSIC 0849**

2 Semesters 2 Credits Grades: 10-12

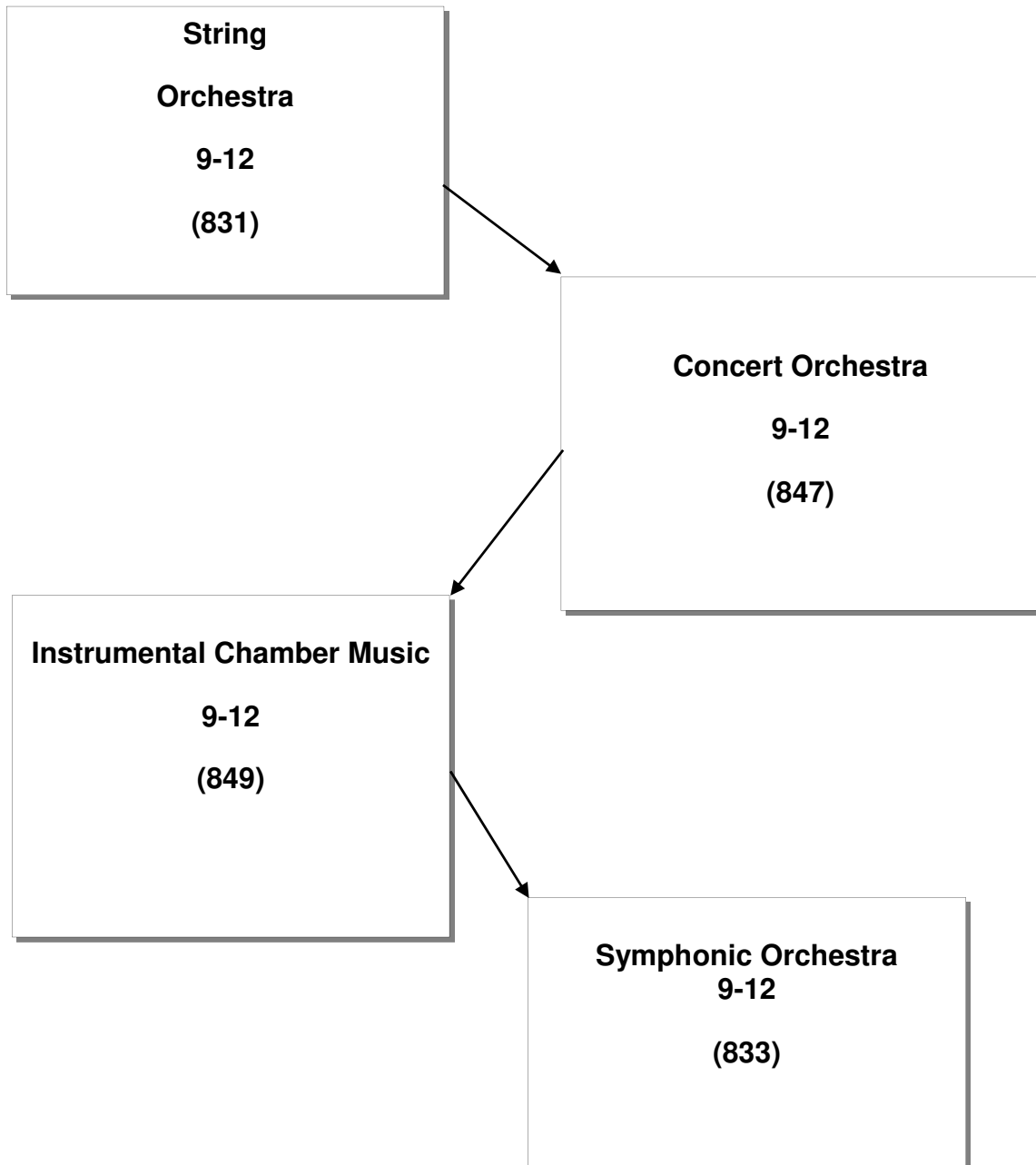
Prerequisite: Must be also enrolled in an appropriate band or orchestra class

Fee: \$20.00

COURSE DESCRIPTION: [IDOE 4162] This course is designed to offer advanced instrumental performers an opportunity to study and perform chamber music literature. String Quartet, wind/string combinations, and other chamber literature will be studied, arranged, rehearsed, and performed. These groups could perform many times per year at various places in the community.

****Attendance at concert performances is required.***

Orchestra Sequence



Orchestra

All orchestra courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors.

***STRING ORCHESTRA 0831**

2 Semesters 2 Credits Grades: 9-11

Prerequisite: *Must be currently enrolled in an orchestra class or by permission of the instructor*

Fee: \$45.00 (includes a 12 month subscription to SmartMusic software)

COURSE DESCRIPTION: [IDOE 4172] String Orchestra is for Penn students who play a string instrument at an intermediate level. Emphasis is placed on tone, technique development and sight-reading. Participation in ISSMA Solo/Ensemble contest is highly encouraged. This orchestra performs several times during the year. Music is selected from classical, popular, folk, and new string literature. Private lessons are highly encouraged.

***CONCERT ORCHESTRA 0847**

2 Semesters 2 Credits Grades: 9-12

Prerequisite: *Audition or by permission of the instructor*

Fee: \$45.00 (includes a 12 month subscription to SmartMusic software)

COURSE DESCRIPTION: [IDOE 4172] Concert Orchestra is for Penn students who play a string instrument at an intermediate proficiency or better. Emphasis is placed on tone, technique development and sight-reading. Participation in ISSMA Solo/Ensemble contest is highly encouraged. This orchestra performs several times during the year. Music is selected from classical, popular, folk, and new string literature. Private lessons are highly encouraged.

***SYMPHONIC ORCHESTRA 0833**

2 Semesters 2 Credits Grades: 1-12

Prerequisite: *Audition or by permission of the instructor*

Fee: \$45.00 (includes a 12 month subscription to SmartMusic software)

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4174] This advanced orchestra class is available by audition to Penn students who play a string instrument at an upper intermediate to advanced level. The Symphonic Orchestra represents Penn High School in public performances and competitions. Emphasis is placed on tone, technique development and sight-reading. Advanced performance techniques are emphasized. Participation in ISSMA Solo/Ensemble contest is encouraged. Serious string and full orchestra literature is selected from a variety of periods in music history. Private lessons are highly encouraged.

INSTRUMENTAL CHAMBER MUSIC 0849

2 Semesters 2 Credits Grades: 9-12

Prerequisite: *Must be also enrolled in an appropriate band or orchestra class*

Fee: \$20.00

COURSE DESCRIPTION: [IDOE 4162] This course is designed to offer advanced instrumental performers an opportunity to study and perform chamber music literature. String Quartet, wind/string combinations, and other chamber literature will be studied, arranged, rehearsed, and performed. These groups could perform many times per year at various places in the community.

***Attendance at concert performances is required.**

Elective Music

Music Theory and Composition I & II

(10-11-12)

(815/816) (use 3039)

Music Theory and Composition III

(10-12)

(821)

Electronic Music

(10-11-12)

(843/844) (use 3038)

AP Music Theory I & II

(11-12)

(845/846) (use 3040)

Elective Music

All elective music courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors

ELECTRONIC MUSIC I & II 0843/0844 (3038)

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Piano keyboard experience is helpful, but not necessary.

Fee: \$32.00

COURSE DESCRIPTION: [IDOE 4202] This course will take an in-depth look at the growth of the synthesizer and other electronic instruments that have so greatly changed our contemporary music. Students will study the development of sound reinforcement and electronic music, and gain experience in MIDI, programming, sequencing, and audio recording. Computer technology will be recognized as the fast changing foundation of recording arts.

MUSIC THEORY AND COMPOSITION I & II 0815/0816 (3039)

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Basic music experience and ability to read music notation including rhythms.

Fee: \$2.00 Textbook Purchase: TBD Approx. \$109.06

COURSE DESCRIPTION: [IDOE 4208] This course is a study of the elements in music including aural and visual concepts in notation. This course is designed for the student who may be considering the further study of music after high school or for the student who desires an in-depth knowledge of the structure of music. Computers and software are utilized in the classroom.

MUSIC THEORY III 0821

1 Semester 1 Credit Grades: 10-12

Workbook Purchase: \$2.00

COURSE DESCRIPTION: [IDOE 4208] This one semester course is a study of the elements in music including aural and visual concepts in notation. This course is designed for the student who may be considering the further study of music after high school or for the student who desires an in-depth knowledge of the structure of music. Computers and software are utilized in the classroom.

AP MUSIC THEORY I & II 0845/0846 (3040)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Music reading skills

Fee: \$2.00

Textbook Purchase: TBD Approx. \$109.06

AP Fee: TBD by College Board, approx. \$91.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 4210] Advanced Placement Music Theory is designed for the able and ambitious high school student who is committed to the close study of music structure and who has the desire and determination to gain college credit or advanced placement in music while still in high school. To qualify to enroll to AP Music Theory, the student must successfully complete Music Theory I (course numbers 815 & 816), or possess a solid background in the skill areas of rhythm and notation reading (bass clef and treble clef) as well as scales and major key signatures. The focus of study is centered on techniques for aural and written analysis of music literature. All students enrolled in the course will take the Advanced Placement Music Theory exam in the spring.

Choral Music

**Beginning
Chorus
(Treble Chorus)
(9-10)
(803)**

**Beginning
Chorus
(Singing
Kingsmen)
(9-10)
(801)**

**Intermediate
Chorus
(Treble
Choir)
(10-11-12)
(807)**

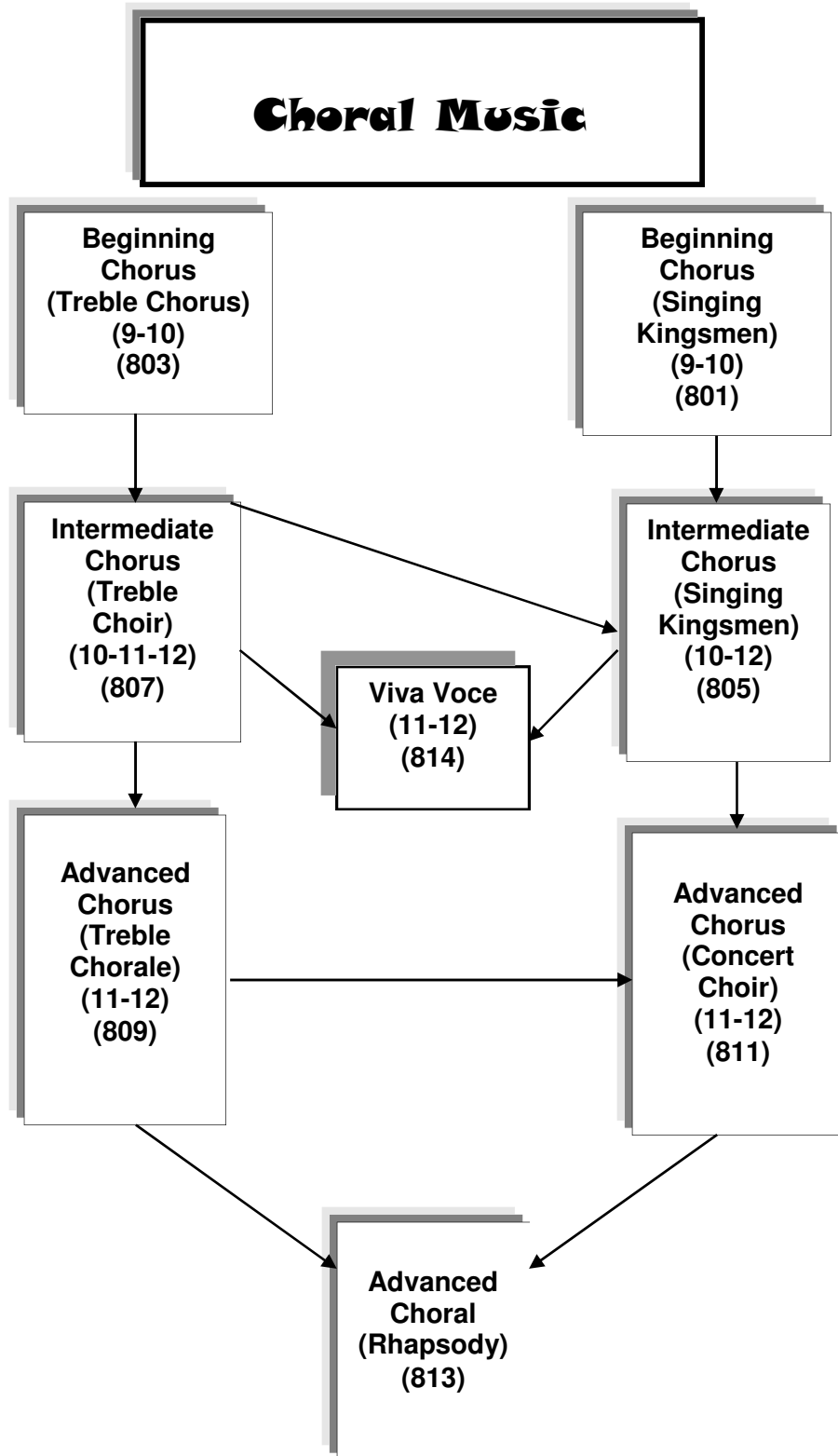
**Intermediate
Chorus
(Singing
Kingsmen)
(10-12)
(805)**

**Viva Voce
(11-12)
(814)**

**Advanced
Chorus
(Treble
Chorale)
(11-12)
(809)**

**Advanced
Chorus
(Concert
Choir)
(11-12)
(811)**

**Advanced
Choral
(Rhapsody)
(813)**



CHORAL MUSIC

All choral music courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors

***BEGINNING CHORUS** **0801** **(Singing Kingsmen)**

2 Semesters 2 Credits Grades: 9-10

Prerequisite: None

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4182] This boy's course is designed to introduce and develop basic singing techniques, sight-reading skills and basic music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required.

***BEGINNING CHORUS** **0803** **(Treble Chorus)**

2 Semesters 2 Credits Grades: 9-10

Prerequisite: None

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4182] This course is designed to introduce and develop basic singing techniques, sight-reading skills and basic music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required.

***INTERMEDIATE CHORUS** **0805** **(Singing Kingsmen)**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Beginning Chorus (Singing Kingsmen) or permission of instructor

Fee: \$25.00 – Student must supply own performance shirt and shoes

COURSE DESCRIPTION: [IDOE 4186] This intermediate men's choir is designed to develop intermediate level singing techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required.

***INTERMEDIATE CHORUS** **0807** **(Treble Choir)**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Beginning Chorus or permission of instructor

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4186] This intermediate choir is designed to develop intermediate level singing techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required.

***ADVANCED CHORUS** **0809** **(Treble Chorale)**

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Audition or Permission of Instructor

Fee: \$30.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4188] This advanced choir studies advanced level singing

techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. *Students meet as a class on alternate study hall periods.

***ADVANCED CHORUS** **0811**
(Concert Choir)

2 Semesters 2 Credits Grades: 11-12
Prerequisite: Audition or permission of instructor

Fee: \$30.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4188] This advanced mixed choir studies advanced singing techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. *Students meet as a class on alternate study hall periods.

***ADVANCED CHORAL** **0813**
(Rhapsody)

2 Semesters 2 Credits Grades: 11-12
Prerequisite: Audition and enrollment in Treble Chorale or Concert Choir

Fee: \$120.00

COURSE DESCRIPTION: [IDOE 4180] This group of advanced singers performs show, folk and swing music. The group is available for civic and community functions and makes numerous appearances during the year. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom.

***VIVA VOCE** **0814**

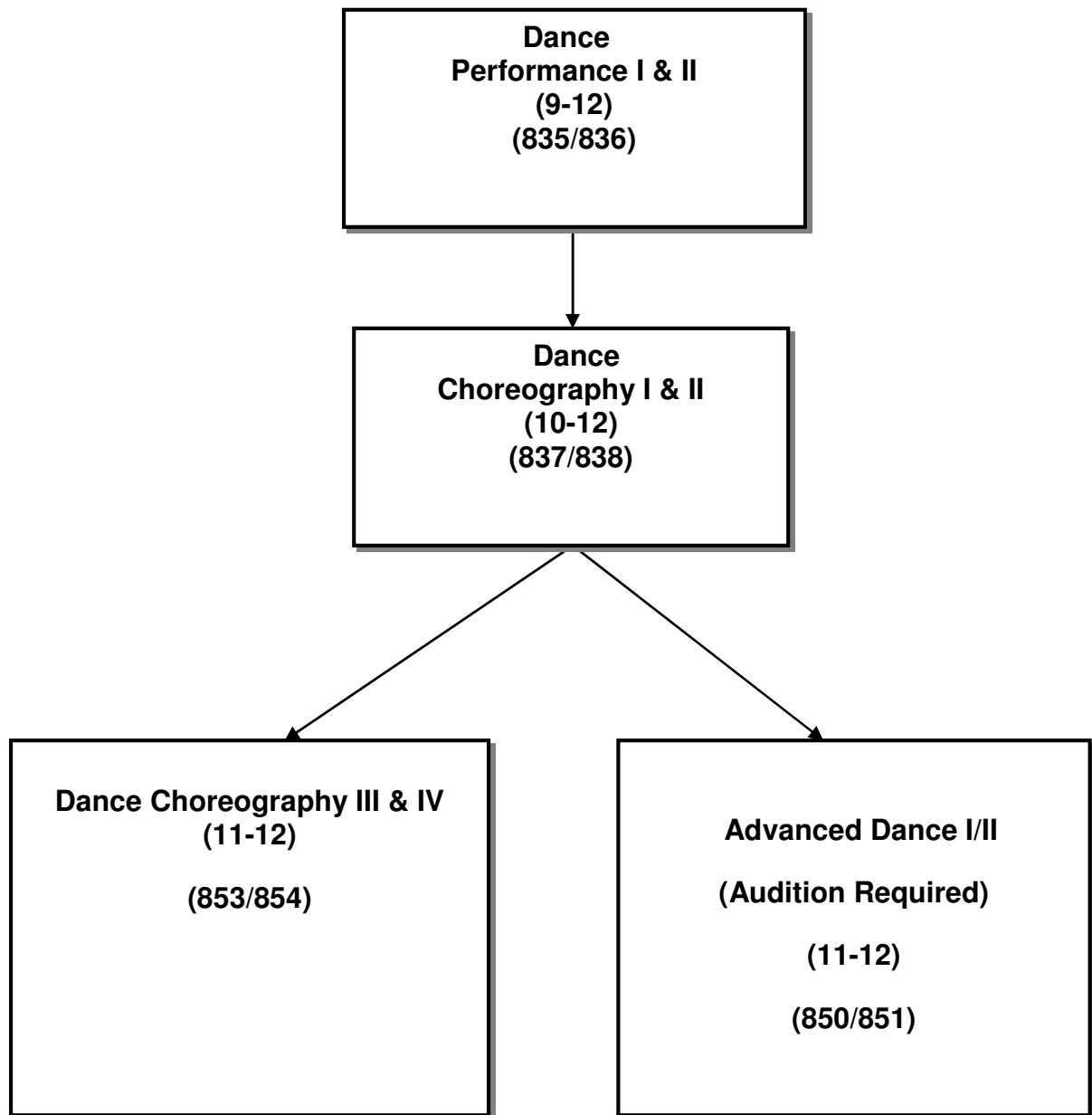
2 Semesters 2 Credits Grades: 11-12
Prerequisites: Singing Kingsmen (Men) or Treble Choir (Women)

Fee: \$65.00

COURSE DESCRIPTION: [IDOE 4180] This advanced-level choir is a group of 24 auditioned singers that also must be enrolled in Concert Choir and/or Women's Chorale. This choir specializes in early/Renaissance music and contemporary music of living composers. Each year, this choir will commission music from composers to write music specifically for this ensemble. Music literacy skills, including sight-singing and rhythmic reading, will be taught alongside music repertoire.

****Attendance at concert performances is required.***

DANCE



DANCE

All dance courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors.

***DANCE PERFORMANCE I & II** **0835/0836**
(Beginning Level) **(3044)**

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Fee: \$5.00

Additional Cost: Student must supply own dance apparel and shoes, approximately \$80

COURSE DESCRIPTION: [IDOE 4146] This course is designed to introduce and develop understanding of dance concepts and terminology, and to develop beginning skills in ballet, jazz, modern and tap dance technique. Beginning choreographic elements and principles will be introduced. Student will participate in a performance as a culminating activity at the end of the course.

***DANCE CHOREOGRAPHY I & II 0837/0838**
(Intermediate Level) (3045)

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Dance Performance I-II

Fee: \$5.00

Additional Cost: Student must supply own dance apparel and shoes.

COURSE DESCRIPTION: [IDOE 4142] This course is designed to continue development and application of ballet, modern, jazz, and tap techniques, concepts, and terminology. Intermediate choreographic elements and principles will be studied. Students will create and perform original choreography. They will participate in a concert performance as a culminating activity at the end of the course. Student choreography will be presented at this time.

***DANCE CHOREOGRAPHY III & IV**
0853/0854 (3069)

(Intermediate Advanced)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Dance Performance I/II, Dance Choreography I/II

Fee: \$5.00

Additional Cost: Student must supply own dance apparel and shoes.

COURSE DESCRIPTION: [IDOE 4142] This

course is designed to continue development at an intermediate advanced level of ballet, modern, tap and jazz. This course will continue the development of dance composition while making connections to visual arts as well as dramatic and literacy arts. Students will explore texture and tone color, create and play with rhythms and syncopation, explore emotion and character discovery. Several performance opportunities will be given throughout the year to increase the student's appreciation of the role of a choreographer as well dance as a form of art.

***ADVANCED DANCE I/II 0850/0851(3056)**
(Advanced Level)

2 Semesters 2 Credits Grades: 11-12

Prerequisites: Dance Performance I/II, Dance Choreography I/II, Audition Required

Fee: \$75.00

Additional Cost: Student must supply own dance apparel and shoes.

COURSE DESCRIPTION: [IDOE 4146] This course is designed to continue the advanced development of ballet, modern, jazz and tap techniques. This course includes the study dance anatomy, dance nutrition, the elements of dance choreography as well as advanced dance terminology. Students will create and perform original choreography. This course provides for more performance opportunities at school and in the community. They will participate in a concert performance as a culminating activity at the end of the course. Student choreography will be presented at the time.

**Attendance at concert performances is required.*

THEATRE

Theatre Arts I & II

(9-12)

(343/344)

(Use 3041 to schedule)

Technical Theatre I & II

(9-12)

(347/348)

(Use 3043 to schedule)

Advanced

Theatre Arts I & II

(10-12)

(345/346)

(Use 3042 to schedule)

Advanced Technical Theatre I & II

(10-12)

(381/382)

(Use 3047 to schedule)

Advanced Acting I & II

(11-12)

(383/384)

(Use 3052 to schedule)

Theatre

All theater courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors

THEATRE ARTS I & II **0343/0344 (3041)**

2 Semesters 2 Credits **Grades: 9-12**

Prerequisite: None

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4242] This course is for students who want an introduction to theatre through acting and performance. Areas of study will include voice and diction, observation, pantomime, improvisation and character development. Student activities will include daily theatre games, vocal and physical warm-ups. Students will learn to create characters through the use of movement, gestures, facial expression, and language in improvised and scripted activities. Some study of early theatre history and Shakespeare will provide students with a historical and cultural context. Performance evaluations will be required in class. Written evaluation of a live performance will be required. Field trip expenses may vary. Required audition, rehearsals, or performances may be held outside of the school day.

ADVANCED ACTING I & II

0383/0384 (3052)

2 Semesters 2 Credits **Grades: 11 – 12**

Prerequisites: Theater Arts I & II, Advanced Theater I & II

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4250] Students enrolled in Advanced Acting will be cast in productions performed to meet educational needs of students in other classes and at other grades and also be performed for the general public. Students will research, create, and perform characters through script analysis, observation, collaboration and rehearsal. These Activities will incorporate elements of theater history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in the theater by attending plays, meeting actors and discussing their work, and becoming theatre patrons in their communities. Required rehearsals and performances will be held outside the school day. Field trip expenses vary.

ADVANCED

THEATRE ARTS I & II **0345/0346 (3042)**

2 Semesters 2 Credits **Grades: 10-12**

Prerequisite: Theatre Arts I-II

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4240] This course is for students who want a deeper knowledge of acting and performance. Students will practice using the voice, body and mind to create characters through scripted and improvised activities. More in-depth practice will be done with the voice including articulation, enunciation, volume, stress, speed, pitch, inflection, and intonation. Acting theory and script analysis will be explored and put to use in the performance of monologues, scenes and plays. Study will also include theatre history, the audition process, and career opportunities within the theatre world. Students will complete a written evaluation of a live theatre performance using predetermined criteria. Students collaborate with Advanced Acting students to put on a production. Required audition, rehearsals, or performances may be held outside of the school day. Field Trip expenses may vary.

TECHNICAL THEATRE I & II

0347/0348 (3043)

2 Semesters 2 Credits **Grades: 9-12**

Prerequisite: None

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4244] This course is for students who want to learn about the many technical aspects of play production. Instruction will combine technical theatre theories of design, construction, operation, and safety. Students will have opportunities to develop skills with scenery, lighting, sound, properties, costumes, and make-up. Study will include script analysis and the evaluation of live theatre. Career opportunities in technical theatre arts will be explored. In addition to class time, students will be required to participate in some out of class projects. Field trip expenses vary.

ADVANCED TECHNICAL THEATER I & II
0381/0382 (3047)

2 Semesters 2 Credits Grades: 10-12

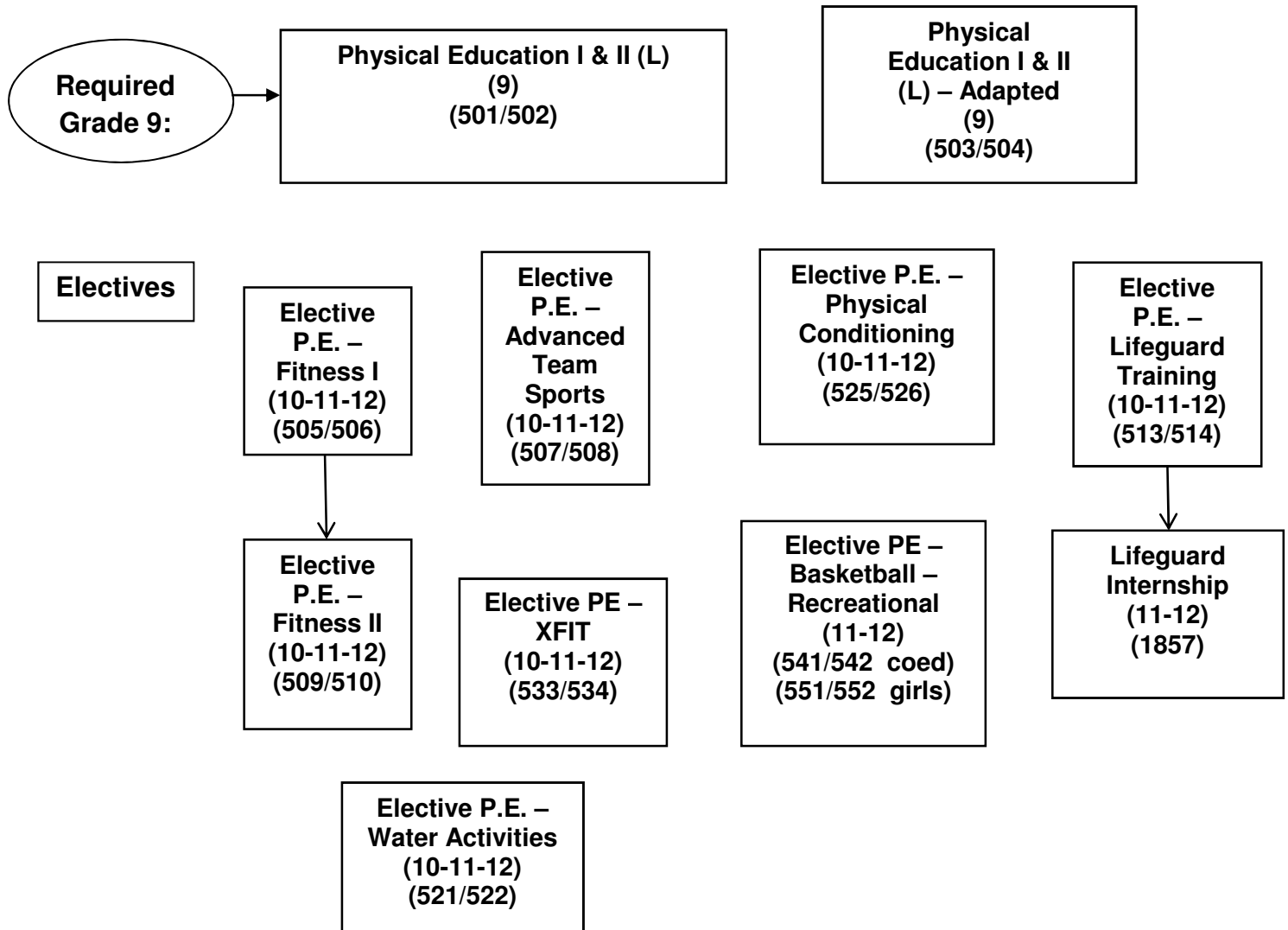
Prerequisite: Technical Theatre I & II

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 4252] Students enrolled in Technical Theatre will actively lead and supervise in the process of designing, building, managing, programming, drafting and implementing the technical aspects of a production. These

activities will incorporate elements of theatre history, culture, analysis, aesthetic response, creative process and integrated studies. Additionally, students investigate technical theatre careers, and develop a plan for potential employment or further education through audition, interview or presentation of a portfolio. Students also attend and critique theatrical productions and serve on production crews. Field trip expenses vary.

PHYSICAL EDUCATION



HEALTH: Health
(10)
(515/516)

HEALTH ELECTIVES:

Advanced Health
517/518

Introduction to Physical Therapy
535/536

PHYSICAL DEVELOPMENT

FITNESS: Mind~Body~Academics

PHYSICAL EDUCATION (9)

PHYSICAL EDUCATION I & II 3000 (0501/0502)

2 Semesters (Required) 2 Credits Grade: 9

Prerequisite: None

Fee: \$8.00

Required attire: Gold shirt

COURSE DESCRIPTION: [IDOE 3542] Secondary Physical Education I & II are based on health-related fitness and developing the skills and habits necessary for a lifetime of activity. This course includes the five components of physical fitness. Activities such as aerobic activity, aquatics, team sports, recreational sports, individual and dual sports will be used to create an interest in developing and maintaining physical fitness. Students will evaluate their own fitness level through a fitness assessment fall and winter. Students will complete nutrition, fitness and wellness through interactive physical education in a blended learning environment. Vital knowledge will be conveyed through this learning to stay fit, healthy and happy while creating extended opportunities in class for participation.

PHYSICAL EDUCATION I & II Adapted

3002 (0503/0504)

2 Semesters 2 Credits Grade: 9

(Alternative for requirement)

Prerequisite: Case conference committee and medical statement on file

COURSE DESCRIPTION: [IDOE 0500] This course offers students with special mental, physical, sensory, or neurological problems lifetime fitness and health related activity. The program will include within the least restricted environment, a variety of developmental activities, games, sports, and rhythms appropriate to the interests, capabilities, and limitations of the student. Opportunities will be given for students to achieve fitness concepts, fitness for enjoyment and social interaction, as well as different forms of movement and an aquatics unit.

ELECTIVE PHYSICAL EDUCATION COURSES

Classes in Advanced PE can be taken a second time for credit. Students need to be in good standing for dress and participation, receiving A or B in the course the first time. Teacher discretion can be implemented.

PHYSICAL CONDITIONING 0525/0526

1 Semester 1 credit Grades: 10-12 (during the school day) and 9 (zero hour)

Prerequisite: Desire to tryout and/or participate on a Penn athletic team

Fee: \$5.00

COURSE DESCRIPTION: [IDOE 3560] This is a performance based class and participants will be expected to work through a prescribed workout under the guidance of a Certified Strength and Conditioning Coach. Student-athletes will learn a variety of techniques that can be used to improve all aspects of physical fitness and performance. Students will explore how to improve upper, lower, and core body flexibility, strength and power. They

will work on ways to improve agility, speed, and nutrition.

FITNESS I

0505/0506

1 Semester 1 Credit Grades: 10-12

Prerequisite: Physical Education I and Physical Education II. Students must have received a C or better in P.E. in order to take Fitness I. THIS IS A CHANGE FROM THE PREVIOUS FITNESS COURSE.

Fee: \$2.00

COURSE DESCRIPTION: [IDOE 3560] This class will offer a set routine that will encompass total-body muscle fitness, as well as cardiovascular fitness. Students will utilize muscle fitness and

cardiovascular machines (no free weights). Students proper work habits and good time management skills. Correct technique for weight training will be introduced and implemented by all students, whether beginners or experienced lifters. Throughout the semester students will gain an understanding of how to develop each muscle group, how to maximize workout benefits, how to monitor and assess progress, and how to achieve personal goals. Near the end of the semester, students will determine and utilize their own muscle fitness routine.

To take course a second time: student must have earned an "A" or "B" in Fitness I the first time.

FITNESS II **0509/0510**

1 Semester 1 Credit Grades: 11-12

Prerequisite: Physical Education I and Physical Education II, Fitness I. Students must have received a C or better in Fitness I in order to take Fitness II.

Fee: \$2.00

COURSE DESCRIPTION: [IDOE 3560] This will be a continuation of skills learned in Fitness I, new individualized programs, continued learning of muscle groups and workouts to aid in lifetime fitness. The course will offer individualized programs for physical improvement. Correct techniques for use of weights and three different programs for weight training will be introduced and implemented. An individualized program will be set up to meet each student's needs. Machine weights and cardiovascular machines will be utilized, not free weights.

XFIT (Formerly Crossfit) **0533/0534**

1 Semester 1 Credit Grades 10-12

Prerequisites: Successful completion of Physical Education I/II. Application must be filled out and approved by teacher in order to take XFit twice. Must have received a C or better in Physical Education I/II.

Fee: \$2.00

COURSE DESCRIPTION: [IDOE 3560] XFit is a strength and conditioning program. It is not sport specific and promotes broad and general overall physical fitness. XFit workouts call for participants to work hard and fast with little rest. Proficiency will be required in cardiovascular/respiratory endurance, stamina, strength, flexibility, power, speed, agility, balance, coordination and accuracy. A combination of athletic conditioning, plyometrics, Olympic weightlifting, medicine ball and dumbbell training, power-lifting, some swimming is possible, some gymnastics, running

and jump roping will be used. The workouts are always varied.

LIFEGUARD TRAINING **0513/0514**

1 Semester 1 Credit Grades: 10-12

Prerequisite Swim Tests: 550 yard swim including breaststroke & front crawl with rhythmic breathing, 200 yds. of breast stroke; swim 20 yds., surface dive to a depth of 7 ft., retrieve a 10 lb. object, return to surface, and swim 20 yds. back to the starting point, exit without ladder (1 minute, 40 seconds). Swim 5 yds; submerge and retrieve three diving rings placed 5 yds apart in 4-7 fee of water; resurface; and swim 5 yds to the side of pool.

Certification Fee & Supplies: \$37.00

Textbook Fee: \$35.00

COURSE DESCRIPTION: [IDOE 3560] This course provides participants with the knowledge, skill, and practice needed to become well-trained and effective lifeguards at pools and at a waterfront environment. Certificates are given.

LIFEGUARD INTERNSHIP **1857**

(PENN POOL)

1 or Both Semesters 1 Credit per Semester Grades 11-12

Fee: \$25.00 for lifeguard t- shirt and whistle/lanyard to be worn at all times while on duty.

Prerequisite: Waterfront lifeguard certification, CPR for the professional lifeguard certification, first aid certification. AED certification is recommended.

COURSE DESCRIPTION: [IDOE 3560] This course is intended to help develop strong skills and work ethic in student lifeguards. Students will be responsible for ensuring the safety of facility patrons by preventing and responding to emergencies. Students will perform lifeguard surveillance, rescue techniques, emergency preparations, and head, neck and back management skills. Students will perform various maintenance duties to meet class standards and the duties of a lifeguard. Students will also be expected to participate in mandatory in-service training. Student interns will be highly recommended for paid lifeguard positions through Penn High School Aquatics.

WATER ACTIVITIES **0521/0522****1 Semester 1 Credit Grades 10-12****Prerequisite:** Physical Education I – Physical Education II – Swim 4 laps of pool, Tread water for 5 minutes, Comfortable swimming in deep water for long periods of time.**Fee:** \$3.00 for goggle rental**COURSE DESCRIPTION:** [IDOE 3560] Water Activities is a one-semester course where students may enhance their physical fitness through water related activities.

Students use their swimming ability to play a variety of water games and team challenges such as water polo, ultimate torpedo, water basketball, diving board games and water soccer. Students have the opportunity to be introduced to scuba diving and experience an actual dive in the pool. Students will create and present their own pool game.

ADVANCED TEAM SPORTS**0507/0508 (Coed)****0547/0548 (Girls)****1 Semester 1 Credit Grades: 10-12****Prerequisite:** Physical Education I and Physical Education II**Fee:** \$2.00**COURSE DESCRIPTION:** [IDOE 3560] Advanced Team Sports promotes lifelong physical activity through team sports. Students will incorporate daily fitness into a lifetime routine. This elective will

feature advanced fundamentals, techniques, and strategies of the following activities: softball, tennis, flag football, ultimate frisbee, indoor soccer, volleyball, basketball, and recreational sports.

To take a course a second time: student must have earned an “A” or “B” in ATS the first time. We do offer a coed opportunity as well as a new class section for females.

BASKETBALL-Recreational**0541/0542 (Co-ed)****0551/0552 (Girls)****1 Semester 1 Credit Grades 11-12****Prerequisite:** Must have passed Physical Education I/II with an earned grade of “C” or better.**Fee:** \$4.00 for Whistle and Lanyard**COURSE DESCRIPTION:** [IDOE 3560] This one semester course is designed to meet the fitness needs of both boys and girls (first time offered girls only class) who want to use the sport of basketball for cardiovascular exercise. With the class focus on basketball game play, students will use half of the daily class time in half court 5 on 5 competition and the other half of class on full court 5 on 5 competition. All students will demonstrate basketball game play knowledge and take turns with officiating responsibilities of the full court game. Daily sportsmanship is required.

HEALTH

HEALTH EDUCATION **0515/0516****1 Semester 1 Credit Grade: 10****Fee:** \$7.00**Textbook Rental:** Classroom Set-no fee**COURSE DESCRIPTION:** [IDOE 3506] All things talked about in Health apply to everyday life, now and forever. Health Education is designed to foster knowledge and attitudes leading to wellness and healthy lifestyles choices. This course includes wellness, mental health and mental illness, stress management, CPR, dating relationships (including dating violence), human sexuality, pregnancy and sexually transmitted infections, suicide, nutrition, and drug and alcohol education, including prescription drugs and e-cigarettes. This course assists students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease. A variety of instructional

strategies and current events will bring this course to life. Peer class discussions also make this a don't miss class.

ADVANCED HEALTH EDUCATION**0517/0518****1 Semester 1 Credit Grades: 10-12****Prerequisite:** Health Education**Fee:** \$5.00**COURSE DESCRIPTION:** [IDOE 3500] Advanced Health Education is a health elective course for those students who may be interested in a health related career. Students will study the history of medicine, systems of the body, bones and muscles, CPR, Torts, risk appraisals and current health trends. Careers in health are researched, explored and job shadowed. Canvas work and job interviews

are also included. Successful completion of Health 10 is required.

INTRO TO PHYSICAL THERAPY 0535/0536

1 Semester 1 Credit Grades 10-12

Prerequisite: Health Education

Fee: \$25.00(lab fee)

COURSE DESCRIPTION: [IDOE 5215] Intro to Physical Therapy is a course designed for the student interested in a medical field with emphasis on athletic training, sport injuries, and physical therapy. Students will review human anatomy and first aid, CPR, and learn medical

terminology. Treatment and rehabilitation of injuries based in athletic populations, signs and symptoms of these injuries and prevention will be studied. Intro to P.T. will look at nutrition, diseases, strength, and conditioning and how these affect injury to the general population. This course will include modalities and taping technique labs. Successful completion of Health 10 is required.

SOCIAL SCIENCES

Grade 9

**Geography and History of
the World
(1105)**

or

**Geography and History of
the World Honors
(1169)**

Grade 10

**No Social
Sciences
requirement**

**(See Electives
Below)**

Grade 11

**United States
History
(1109)**

or

**Ivy Tech US
History
(H101/H102)
(1176)**

or

**AP US History
(1131)**

or

**ACP US History
(1157/1158)
(use 3084)**

or

**AP US
History/AP
Language and
Composition
Seminar
(1161)
(use 3067)**

Grade 12

**United States
Government
(1115/1116)**

or

**AP US Government
(1138)**

or

**ACP US
Government
(1139)**

and

**Economics
(1121/1122)**

or

**AP Economics
(Macro & Micro)
(1123/1124)**

or

**Fundamentals of
Economics
(IPFW)
(1173)**

SOCIAL SCIENCES ELECTIVES

**Civics
(Citizenship)
(9-12)
(1151/1152)**

**Current
Issues
(10-12)
(1129/1130)**

**Anthropology
(10-12)
(1153/1154)**

**AP Human
Geography
(10-12)
(1137)**

**Intro to American
Law & Society
(10-12)
(1175/1176)**

**AP European
History
(10-12)
(1165)**

**World History
(10-12)
(1103)**

**Topics in History
(10-12)
(1159/1160)**

**Psychology
(11-12)
(1125)**

**Intro to GIS
(11-12)
(1141)**

**Sociology
(11-12)
(1127/1128)**

**AP Psychology
(12)
(1135)**

**Social Justice
(Sociology/Cultural
Anthropology)
(12)
(1171)**

**AP Comparative
Politics/Current
Issues
(1177)
10-12**

**AP Comparative
Government & Politics
(1155)
12**

**English 11/
US History
Seminar
(1111)
(use 3005 to schedule)**

**English 11 Honors/
ACP US History
Seminar
(1179)
(use 3086 to schedule)**

Social Sciences

Competent written work is essential in all academic disciplines; therefore, social sciences teachers will evaluate student papers using a rubric with criteria applicable to both English and social sciences content areas.

AP HUMAN GEOGRAPHY 1137

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Geography and History of the World & Pass with a B for both semesters

Textbook Purchase: None

Supplementary Fee: \$5.00

Paperback Purchase: \$13.00

AP Exam: TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1572] The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. All students enrolled in this course will take the AP Human Geography exam in the spring. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and receive a "3" or higher on the Advanced Placement examination in that course.**

WORLD HISTORY 1103

2 Semesters 2 Credits Grades: 10-12

Prerequisite: None

Supplementary Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1548] This course is designed to give a panorama of history from earliest times to 1900. It covers the traditional societies of the West, Asia, and Africa. The course is designed to show the continuity of history; forces and ideas that have shaped history; and developments in the arts, religion, and social life.

AP EUROPEAN HISTORY 1165

2 Semesters 2 Credits Grades: 10-12

Prerequisites: Geography and History of the World

Textbook Rental: \$30.23

Fee: \$5.00

Paperback: \$12.50

AP Exam: TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1556] The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current form of artistic expression and intellectual discourse. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.**

U.S. HISTORY 1109

2 Semesters 2 Credits Grade: 11

Prerequisite: None

Supplementary Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1542] This course examines the American experience through a thematic approach of America's political, social, and economic history. The objective will be to investigate what is the American experience and its constant evolution. Students will develop and hone critical writing, reading, and thinking skills throughout the course.

ENGLISH 11 and US HISTORY SEMINAR

1111/0317 (3005)

Semesters: 2 Credits: 2 Grade: 11

Prerequisite: None

Textbook Fee: TBA

Supplemental Fee: \$5.00 (History) plus \$20.00 (English)

Additional Costs: Possible Field Trip

COURSE DESCRIPTION: [IDOE 1542/1006] This course examines the American experience through a thematic approach of America's political, social, and economic history. The objective will be to investigate what is the American experience and its constant evolution. This course will move from the Industrial Revolution to present day. Simultaneously students will read pieces of literature that exemplify the time period and allow students a broader understanding of America's historical writers and struggles through a literary

lends. Students will be asked to work individually as well as collaboratively throughout the course. Students will develop and hone critical writing, reading, and thinking skills throughout the course.

INTRODUCTION TO GIS **1141**
(GEOGRAPHIC INFORMATION SYSTEMS)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of AP Human Geography

Textbook Purchase: TBD

Supplementary Fee: \$5.00

COURSE DESCRIPTION: [IDOE 1550] This course is designed to introduce students to various GIS technologies. Students will be made aware of career opportunities in this field and be provided with the skills necessary to pursue further study and employment in the areas of development and utilization of GIS. With these goals in mind, students will use computer applications such as Google Earth and ArcGIS software to complete modules designed to help them understand, analyze, and interpret information from GIS maps. Furthermore, this course will aid the development of problem solving, data analysis, interpretation of spatial relationships as well as gaining empathy for the geography of the student's surroundings, as well as aspects of globalization.

AP U.S. HISTORY **1131**

2 Semesters 2 Credits Grade: 11

Prerequisite: None

Textbook Purchase: None

Paperback Purchase: \$12.00

Supplementary Fee: \$5.00

Additional Costs: AP Exam TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1562] Advanced Placement United States History provides students with the equivalent of a college-level survey of United States history from the Age of Exploration to the present. The course emphasizes in-class essays and document-based writings to assess student understanding. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.**

ACP U.S. HISTORY H105/H106 (Indiana University) **1157/1158 (use 3084)**

2 Semesters 2 Credits Grade: 11

Supplementary fee: \$5.00

Textbook Purchase: TBD

Additional Cost: Students enrolled in ACP US History for IU credit must pay the additional hourly fee assessed by Indiana University to cover the cost of six credit hours. Students receiving free and reduced lunches can have this fee waived. See the ACP US History instructor for more details.

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1542] This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Although this course is offered to meet Indiana's state standards for US History credit, its applicants must meet guidelines prescribed by Indiana University. Students will earn six credit hours that are accepted at not only Indiana University, but all other state schools as well as over 700 colleges and universities across the country. The student will be awarded a weighted grade for this course. The course will focus on various themes beginning with the age of exploration and continuing through the Reagan presidency. Students will focus on these themes through various strategies including reading primary and secondary sources, and historical writing projects and presentations. ACP United States History is a course that allows students an in-depth study of the history of our great nation. Students are awarded three credit hours per semester for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit.

ACP US HISTORY H105/H106 (I.U.) and ENGLISH 11 HONORS SEMINAR

1179/0320 (3086)

2 Semesters Credits: 2 Grade: 11

Prerequisite: Must meet I.U. admissions requirement: Students enrolled in ACP US History for IU credit must pay the additional hourly fee assessed by Indiana University to cover the cost of 6 credit hours.

Textbook Fee: TBA

Supplemental Fee: \$5.00 (history) and \$20.00 (English)

Additional Costs: Possible Field Trip - TBA

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1542/1006] This is a college course designed for capable juniors

who meet the standards of academic rigors and success equaling those of a college freshman. Although this course is offered to meet Indiana's state standards for US History credit, its applicants must meet guidelines prescribed by Indiana University. Students will earn six credit hours that are accepted at not only Indiana University, but all other state schools as well as over 700 colleges and universities across the country. The student will be awarded a weighted grade for the history portion of the class. The course will focus on various themes beginning with the age of exploration and continuing through the Reagan presidency. Students will focus on these themes through various strategies including reading primary and secondary sources, and historical writing projects and presentations. ACP United States History is a course that allows students an in-depth study of the history of our great nation. Students are awarded three credit hours per semester for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit. The course will also develop students' skills in writing, critical thinking, literary analysis, and close reading. Texts that support the historical context will be explored including poetry, short stories, novels, etc. Students will be asked to work individually as well as collaboratively throughout the year.

IVY TECH U.S. HISTORY

(H101/H102) 1167/1168 (use 3085)

2 Semesters 2 Credits Grade: 11

Prerequisite: None

Textbook Purchase: TBD

Supplementary Fee: \$10.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 1542] HIST 101, SURVEY OF AMERICAN HISTORY I - Covers major themes and events in history including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture; territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War.

HIST 102, SURVEY OF AMERICAN HISTORY II

Covers major themes including the post-Civil War period, western expansion, industrial growth of the nation and its effects, immigration and urban discontent and attempts at reform, World War I, the Roaring Twenties, social and governmental

changes of the thirties, World War II and its consequences, the growth of the federal government, social upheaval in the sixties and seventies, and recent trends in conservatism, globalization, and cultural diversity.

AP US HISTORY/ 1161 / 0327 (use 3067) AP ENGLISH LANGUAGE & COMPOSITION SEMINAR

2 Semesters 4 Credits Grade: 11

(2 credits in AP Lang and 2 credits in AP US History)

Supplementary Fee: \$5.00(U.S. History)

Supplementary Fee: \$5.00 (English)

Paperback Purchase: \$25.00 (U.S. History)

Paperback Purchase: \$34.00 (English)

Additional Cost: AP Exam TBD by College Board, approx. \$92.00 (English) and \$92.00 (History)

(The seminar will be taught in a 2-period block.)

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1562/1056] Enrollment in AP Language/AP U.S. History Seminar signals a decision to begin studying language and history at the college level. Advanced Placement courses are modeled after college freshman courses and are designed for motivated students who have the desire and determination to gain Advanced Placement credit while still in High School. This seminar will integrate literature with history and will encompass history and literature from the Age of Exploration to present-day America. In addition, the course will emphasize collaborative learning, providing students with the opportunity to further develop both their practical, problem-solving skills and their analytical skills. Finally, students will redefine their ability to respond to nonfiction texts with fluency, clarity, and accuracy. Students who enroll in this course must possess strong writing and critical thinking skills as demonstrated by their work in previous English and Social Studies classes. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.**

U.S. GOVERNMENT 1115 or 1116**1 Semester 1 Credit Grade: 12****Prerequisite: None****Supplementary Fee: \$2.50**

COURSE DESCRIPTION: [IDOE 1540] United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students will understand the nature of citizenship, politics, and government and understand the rights and responsibilities of citizens and how these are part of United States government. Students will examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues and events. As a result, they will be able to explain the role of individuals and groups in government, political, and civic activities and the need for civic and political engagement of citizens in the United States. In addition to readings in the textbook, students may be required to read an assigned book and/or other supplementary readings on related topics.

AP U.S. GOVERNMENT & POLITICS 1138**1 Semester (2nd Sem. Only) 1 Credit Grade: 12****Prerequisite: Selection Process****Supplementary Fee: \$5.00****Paperback Purchase: \$15.75****Additional Cost: AP Exam TBD by College Board, approx. \$92.00*****This course is weighted on a 5.0 scale.***

COURSE DESCRIPTION: [IDOE 1560] AP United States Government and Politics is designed to give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, group beliefs, and ideas that constitute U.S. government and politics. Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their roles, rights and responsibilities as citizens. Specific topics include Constitutional Underpinnings of United States Government, Institutions of National Government, Political Beliefs and Behaviors, Political Parties, Interest Groups, Mass Media, Public Policy, and Civil Rights and Civil Liberties. **NOTE: In order to receive weighted**

credit and the Advanced Placement designation on transcripts, students must successfully complete the Advanced Placement course and attempt the Advanced Placement examination in that course and earn at least a 3 on the AP Exam.

ACP POLITICAL SCIENCE (Dual Credit)**1139****Y103 Introduction to American Politics****1 Semester 1 Credit Grade: 12****Prerequisite: Students must meet admission requirement to attend Indiana University.****Etext Rental: \$30.00****Paperback Purchase: \$23.00****Supplementary Fee: \$5.00**

Additional Cost: Students enrolled in ACP Political Government for I.U. credit must pay the additional hourly fee assessed by Indiana University to cover the cost of three credit hours. Students receiving free and reduced lunches can have this fee waived. See the ACP Political Science instructor for more details.

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1540] ACP Political Science is a 100 level college course designed for capable seniors who meet the standards of academic rigors and success equaling those of a college freshman. Although this course is offered to meet Indiana's state standards for U.S. Government credit, its applicants must meet guidelines prescribed by Indiana University.

In this college course students are invited to share the view of the political science researcher looking into the microscope. What makes citizens tick? How do they make decisions? How do people organize themselves and express their various interests? How do they decide what role government ought to play in their lives, and what happens if they disagree about such fundamental issues? Do people make rational decisions when they vote? What does it mean to be rational? Does the democratic process "work"? The course will employ a blended learning format. IU will provide content via video lectures and unit exams. The classroom teacher will provide pedagogical support to facilitate the application, analysis, and evaluation of the content prescribed by I.U.

NOTE: Students are awarded three credit hours per semester and a weighted grade for earning a C or better.

ECONOMICS**1121 or 1122****1 Semester 1 Credit****Grade: 12****Prerequisite: None****Supplementary Fee: \$2.50*****Quantitative Reasoning Course***

COURSE DESCRIPTION: [IDOE 1514] Economics is a one-semester course of study required for graduation. This course is designed to acquaint students with the basic principles of theory and application. This course of study is designed to increase the student's understanding of different classifications of economic organization; the market system and its functions of production; distribution; and consumption; the general business cycle; and the role of government, labor, business, consumers, banking and credit in the economy.

AP ECONOMICS (Macro & Micro) 1123/1124**2 Semesters 2 Credits****Grade: 11-12****Paperback Fee: \$28.00****Supplementary Fee: \$5.00**

Additional Cost: 2 AP Exams TBD by College Board, approx. \$184.00 (Macro AP Exam \$92.00 and Micro AP Exam \$92.00)

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1564/1566] AP Economics is a two-semester course of study which fulfills the economic graduation requirement. This course in Macroeconomics and Microeconomics is designed to give students a thorough understanding of the principles of economics. In Macroeconomics students will learn to measure economic performance, national income, price determination, the financial sector, inflation, unemployment, stabilization policies, economic growth, and international trade and finance. In Microeconomics the primary emphasis is on the nature and functions of product markets and the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt both the Micro and Macro Advanced Placement examinations in that course.**

PSYCHOLOGY**1125 or 1126****1 Semester 1 Credit****Grades: 10-12****Prerequisite: None****Supplemental Fee: \$5.00****Paperback Purchase: None**

COURSE DESCRIPTION: [IDOE 1532] Have you ever wondered why people act differently in a crowd compared to by themselves? Have you ever tried to figure out what is the best environment for studying in or how someone that seems so happy could have depression? Psychology, the scientific study of human behavior, provides an opportunity for students to gain insights into behavior patterns and our adjustments to social environments. The course will help students in gaining a better understanding of themselves as well as others as it considers such topics as: group behavior, the effects of sleep and drugs, human development over the course of a life span, memory and abnormal psychology. This class will be largely project based and assess students as they learn to do the work of Psychologists.

SOCIOLOGY**1127 or 1128****1 Semester 1 Credit****Grades: 10-12****Prerequisite: None****Supplementary Fee: \$5.00**

COURSE DESCRIPTION: [IDOE 1534] If you have ever thought about why is society this way, how did we get this way, and how do I fit in, then this course is for you. We will examine topics such as: Why do male and female students participate in class discussions differently? Do students of the same ethnicity always sit together in the high school cafeteria? Why does the youngest child always seem to get away with everything? Sociology has answers to all of these questions. The goal of this course is to help you develop your sociological imagination. It is to learn to see the world around you sociologically and to give tools and concepts to help you analyze what you see. This course is organized around a series of hands-on, and in-class exercises. Each is designed to introduce students to a different sub-field, to familiarize you with different analytical techniques, and to learn new theories and concepts. In this class, you will work individually, in pairs, and in small groups.

ANTHROPOLOGY**1153 or 1154****1 Semester 1 Credit****Grades: 10-12****Supplementary Fee: \$5.00****Paperback Purchase: \$15.00**

COURSE DESCRIPTION: [IDOE 1502] Anthropology gives students perspectives concerning patterns of culture among people. The course introduces the anthropologist's processes of observing and analyzing human behavior. Topics studied include (1) theories and principles of cultural formation, growth, function, and change; (2)

the relationship of culture to environment; and (3) the relationship between cultural background and behavior.

**Health & Human Services
Academy
CAPSTONE COURSE:**

SOCIAL JUSTICE 1171

(Sociology & Cultural Anthropology)

2 Semesters 2 Credits (1 ea., Soc. & Anthro.)

Grade: 12

Prerequisites: None

Fee: \$5.00

Field Trips: TBD

COURSE DESCRIPTION: [IDOE 1534/1502] Gandhi said, "Be the change you wish to see in the world" as he recognized the need to improve the world in which he lived. Social justice provides this opportunity to look at social and cultural issues locally, nationally, and globally. Sociology will focus on the society in which we live by examining topics such as inequalities of race and ethnicity, gender and age, social status, and culture. The course expands beyond the United States to look at anthropology, the science of humankind. Specific focus will be put on culture including education, political/economic institutions, religion, and family. Various traditions, beliefs, values, social institutions, art, and the impact of humans on other humans will be considered. During the duration of the course students are required to go outside of the classroom and do as Gandhi said by providing service to others. An intricate element of the course is to apply the knowledge learned in class to others locally, nationally, and globally through service learning.

CIVICS (CITIZENSHIP) 1151 or 1152

1 Semester 1 Credit Grades: 9-12

Supplementary Fee: \$2.50

COURSE DESCRIPTION: [IDOE 1508] Civics/Citizenship is an overview of citizenship roles and responsibilities designed to help students become independent thinkers and conscientious citizens. This course deals with political trends and behavior which citizens consider relevant to the most pressing issues of the day. The course provides

students experiences that will develop attitudes of citizenship within a democratic society. Topics include: (1) the policymaking process; (2) public participation in policymaking; (3) citizenship rights and responsibilities in a changing society; and (4) the relationship between modern society and government. In-depth study of government at the local level is a large component of this course.

AP PSYCHOLOGY 1135

2 Semesters 2 Credits Grade: 11-12

Prerequisite: Student must have a GPA of 3.0 or higher. If taking as a Junior, you must have taken Psychology (1125) prior to your Junior year.

Supplementary Fee: \$5.00

Paperback Purchase: \$13.00

AP Exam: TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1558] This college-level course is designed for qualified students who wish to complete studies in secondary school equivalent to a college psychology introductory course. This course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will be able to understand psychological principles and be able to apply them to their daily lives and the real world. Students are required to participate in a summer reading assignment, and are also responsible for the purchase of the summer reading book. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and receive a 3 or higher on the Advanced Placement examination in that course.**

CURRENT ISSUES 1129 or 1130

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Supplementary Fee: \$25.00

COURSE DESCRIPTION: [IDOE 1512] Major issues facing America and the world are the focus of the course: for example, the economy, constitutional questions, energy policy, the environment, poverty, education, defense, foreign affairs, terrorism, and trade. The course will

examine both events in the daily news and ongoing current issues. Students will read about topics, view special news programs, and discuss the issues that arise from these activities. Group projects, written analysis, and oral reports will also be required. Text covering various topics, as well as history textbooks, magazines and newspaper articles, television programs, and the IMC will all serve as main sources for study.

AP COMPARATIVE GOVERNMENT & POLITICS 1155

1 Semester (1st sem. only) 1 Credit

Grade: 12

Prerequisite: Selection Process

Textbook Rental: \$15.00

Paperback Purchase: \$28.00

Supplementary Fee: \$5.00

Additional Cost: AP Exam TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1552] The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. In addition to covering the major concepts that are used to organize and interpret what we know about political phenomena and relationships, the course should cover specific countries and their governments. Six countries form the core of the AP Comparative Government and Politics course: China, Great Britain, Iran, Mexico, Nigeria, and Russia. By using these six countries, the course can move the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete the Advanced Placement course and attempt the Advanced Placement examination in that course.**

TOPICS IN U.S. HISTORY: 1159 THE VIETNAM WAR

1 Semester (Fall) 1 Elective Credit

Grades: 10-12

Paperback Purchase: \$17.00

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 1538] It is the purpose in this course to examine the American involvement in Vietnam from 1945-1975, with explanations of the military, political, diplomatic, and cultural effects of the war. This course will also include a background of Vietnamese history and its impact on the United States today.

Note: This is an elective course and does not fulfill your U.S. History requirement.

TOPICS IN U.S. HISTORY: 1160

THE AMERICAN CIVIL WAR

1 Semester (Spring) 1 Elective Credit

Grades: 10-12

Paperback Purchase: \$17.00

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 1538] It is the purpose of this course to analyze and describe events, leaders, and movements of the American Civil War. This course will have special emphasis on causes and interpretations of the period of national crisis and war followed by reconstruction. This course will also examine different perspectives from Civil War soldiers, civilians, and political leaders during the war.

Note: This is an elective course and does not fulfill your U.S. History requirement.

INTRODUCTION TO LAW IN AMERICAN SOCIETY 1175 or 1176

1 Semester 1 Credit Grade: 10-12

Prerequisite: None

Textbook Purchase: TBD

Paperback Purchase: \$15.00

Supplementary Fee: \$5.00

Additional Cost: Field Trips, TBD

COURSE DESCRIPTION: [IDOE 1526] Are you interested in a career in criminal justice, the legal field, or just want to be a more informed citizen? This course explores the rights and obligations of citizenship, the historical development of our system of law, our court structure and procedure, as well as civil and criminal law. Historical and current legal cases that cover constitutional, civil, and criminal issues will be studied. Students will demonstrate their knowledge of law and legal procedures by participating in mock trials. A primary purpose of this course is to develop the ability to think critically by recognizing the value conflicts present in the law and the application of law to students' personal lives.

**AP COMPARATIVE POLITICS /
CURRENT ISSUES**

1177

2 Semesters 2 Credits Grades: 10-12

Prerequisite: None

Textbook: TBA

Fee: \$5.00

\$11.00 Paperback Purchase

**Additional Cost: AP Exam TBD by College
Board, approximately \$92.00**

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 1552/1512] The AP course in Comparative Government and Politics/Current Issues introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. This course will also provide students an opportunity to observe the social life through the media. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. In addition to covering the major concepts that are used to organize and interpret what we know about political phenomena and relationships, the course should cover specific countries and their governments. Six countries form the core of the AP Comparative Government and Politics course: China, Great Britain, Iran, Mexico, Nigeria, and Russia.¹ By using these six countries, the course can move the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings.

FAMILY & CONSUMER SCIENCES

**Interpersonal
Relations**
(9-10-11-12)
(1001/1024)
(1 Semester)

**Human
Development &
Wellness**
(Family Relations)
(10-11-12)
(1003/1022)
(1 Semester)

**Adult Roles &
Responsibilities**
(10-12)
(1011 or 1014)
(1 Semester)

**Introduction to
Housing and Interior
Design**
(10-11-12)
(1012)
(2nd Semester)

**Introduction
to Fashion &
Textiles**
(Sewing I)
(9-10-11-12)
(1025)

**Fashion &
Textiles
Careers I**
(Sewing 2)
(10-11-12)
(1027)

**Fashion & Textiles
Careers II**
(Fashion
Merchandising)
(10-12)
(1029/1030)
(1 Semester)

**Child Development /
Advanced Child
Development**
(9-10-11-12)
(1023/1026)
(use 3086)

Education Professions I
(Advanced Child
Development)
(10-11-12)
(1005-2 blocks)

**Nutrition and
Wellness /
Advanced
Nutrition and
Wellness (Foods)**
(9-10-11-12)
(1007/1008)
(use 3087)

**Culinary Arts
and Hospitality
Management**
(Restaurant
Management)
(10-12)
(1009)

**Introduction to
Culinary Arts
and Hospitality**
(Hospitality
Management)
(10-12)
(1013 or 1016)

Family and Consumer Science Education

INTERPERSONAL RELATIONSHIPS

(IPR) 1001 or 1024

1 Semester 1 Credit Grades: 9-12

Prerequisite: None

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 5364]

Interpersonal Relationships is an introductory course that is especially relevant for students interested in careers that involve interacting with people. It is also valuable for all students as a life foundation and academic enrichment. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships.

CHILD DEVELOPMENT (Sem. 1) 3086

ADVANCED CHILD (1023/1026)

DEVELOPMENT (Sem. 2)

2 Semesters 2 Credits Grades: 9-12

Fee: \$9.00

COURSE DESCRIPTION: [IDOE 5362 & 5360]

This course is designed to explore the stages of a child's development from conception through childhood. It includes a study of the responsibilities and decisions involved in effective parenting. Emphasis is given to the physical, emotional, intellectual and social growth of the child. Student directed learning opportunities include a toddler/parent experience (1 - 3 year olds) and play school program (3 - 4 year olds).

EDUCATION PROFESSIONS I 1005

(Advanced Child Development)

2 Semesters 4 Credits Grades: 10-12

1 period daily

Prerequisites: Child Development with an "A" or "B" and application required.

Fee: \$9.00

COURSE DESCRIPTION: [IDOE 5408] This course emphasizes the developmental stages of children beginning with the pre-school child. Emphasis is placed on designing and implementing learning activities for children preparing to enter kindergarten. Laboratory experiences are divided between a pre-school

located in Penn High School and elementary school experiences. Students intern in elementary schools more than 60 hours. Penn's Playschool 2 offers an additional 60+ hours of work with pre-school age children. This is an excellent course for students with interest in education and related career paths.

HUMAN DEVELOPMENT AND WELLNESS

(Family Relations) 1003

or 1022

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 5366] This course is designed to help guide the student in making current and future family and life decisions. Changing roles in society and relationships with others are examined with emphasis on preparation for marriage. The responsibilities of family members, problems in marriage and management of income are also studied in the context of family life.

INTRODUCTION TO HOUSING AND INTERIOR DESIGN

1012

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Fee: \$10.00

COURSE DESCRIPTION: [IDOE 5350] This course focuses on several aspects of the home and its interior environment. Units of study include architectural styles, types of housing and universal design. The elements of design, color and principles of design are emphasized. Students will create a floor plan and design their own room based on the concepts used in class.

ADULT ROLES AND RESPONSIBILITIES

(Formally Single Survival) 1011 or 1014

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Class Set - \$0 Fee: \$3.00

COURSE DESCRIPTION: [IDOE 5330] This course is structured to provide a practical study of the decisions necessary for learning to live on your own. It deals with the necessities of life in areas such as housing, food, interviewing and being a wise consumer. A financial unit includes, budgeting, wise use of credit and insurance.

NUTRITION AND WELLNESS (Sem. 1)
ADVANCED NUTRITION AND WELLNESS
(Sem. 2) 3087 (1007/1008)
(FOODS)

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 5342 & 5340]

Nutrition and Wellness enables students to learn the basics of working in the kitchen, with a focus on safety and sanitation, proper equipment use and following a recipe. It empowers them to apply these skills in their everyday lives. This course uses a lab setting for practical application of food preparation. Units of study include yeast breads, fruits, meats, poultry, cakes, cookies, candies, vegetables, pastries, cheese, rice and pasta. Other units include regional foods, eggs, quick breads, soups, and food preservation.

CULINARY ARTS & HOSPITALITY
MANAGEMENT — 1009
(Restaurant Management)

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Nutrition & Wellness (Foods) and application required

Textbook Rental: NONE

Fee: \$25.00

COURSE DESCRIPTION: [IDOE 5440] Students will operate a simulated restaurant at Penn High School during second semester. They will learn various careers as they assume the job roles of management and food preparation. Customer relations will be developed as they serve teachers and other invited guests. Areas explored include: menu planning, catering, sanitation, safety, cost control, careers, and global cuisine.

INTRODUCTION TO FASHION & TEXTILES
(Sewing I) 1025

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Textbook Rental: Class set \$0

Fee: \$10.00

Additional Cost: Students provide their own fabric and supplies for projects.

COURSE DESCRIPTION: [IDOE 5380] This course has a project-based approach that integrates instruction and laboratory experiences including application of selection, production, alteration, repair, and maintenance of apparel and textile products. Emphasis on helping the student interpret and follow instructions from commercial

patterns to wearable and non-wearable projects is also included. Students will have an opportunity to use some of the latest technology in sewing while creating projects. This course is hands on sewing and it will be necessary for the student to complete five projects with supplies purchased by the student.

FASHION & TEXTILES CAREERS I
(Sewing 2) 1027

2 Semesters 2 Credits Grades: 10-11-12

Prerequisite: Intro to Fashion & Textiles (with an A or B grade) or Application

Fee: \$10.00

COURSE DESCRIPTION: [IDOE 5420] Fashion and Textiles Careers prepares students for occupations and higher education programs of study related to fashion, apparel, and other textiles management, production, and services. Extensive sewing and tailoring is included in this higher level. Expect to sew daily and to purchase required tools, fabric and notions for projects. Time management will also be a focus for planning and completing fashion projects.

FASHION & TEXTILES CAREERS II
(Fashion Merchandising) 1029 or 1030

1 Semester 1 Credit Grades: 10-12

Textbook rental: \$15.05

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 5421] Fashion Merchandising is a specialized marketing course providing instruction in the marketing of apparel and accessories of all kinds. Emphasis is placed on oral and written communications, problem solving and critical thinking skills as they relate to apparel design, selling, pricing, distribution, fashion promotion, visual merchandising, fashion cycles, fashion theories, and career opportunities in the fashion industry. Instructional strategies may include a school-based enterprise, computer/technology applications, real and/or simulated occupational experiences, and projects in the marketing functions.

INTRODUCTION TO CULINARY ARTS & HOSPITALITY
(Hospitality Management) 1013 or 1016

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Textbook Rental: \$21.60

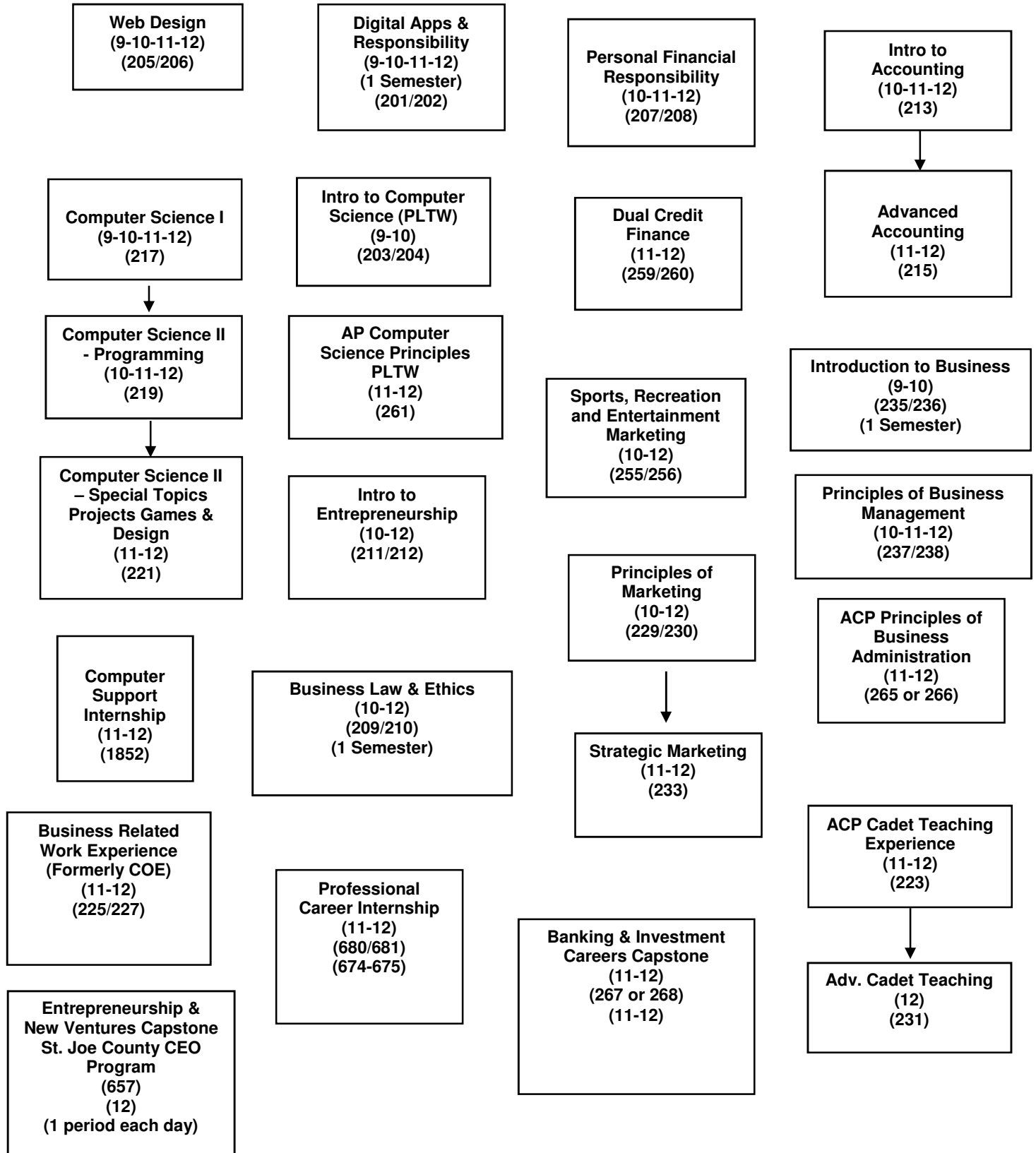
Fee: \$3.00

COURSE DESCRIPTION: [IDOE 5438] Hospitality Management prepares students for employment in

the hospitality industry. It provides the foundations for study that leads to a full spectrum of hospitality careers. This is a broad-based course that introduces students to all segments of hospitality, what it includes, and career opportunities that are available. It exposes students to current trends and current events within the industry. Some goals of

this course are for students to be able to: identify current trends in hotel and service industry, distinguish the difference between hospitality and tourism, and understand sales and merchandising from both a tourist and occupational point of view.

BUSINESS



Business

DIGITAL APPLICATIONS & RESPONSIBILITY

(Formerly Information & Communication Technology) 0201 or 202

1 Semester 1 Credit Grades 9-12

Prerequisite: None

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 4528] Do you need to brush up on your computer skills? Would you like to be proficient in Microsoft Office? Look no further, you can take Digital Applications & Responsibility here at Penn and learn those skills, which will make you a more competitive person in the job market! Students will receive credit toward the Core 40 Technical Honors diploma. Students will use Microsoft Word, Excel, and Access software to create and produce letters, tables, reports, graphics applications, spreadsheets, and database projects. Students will also create projects using PowerPoint and Publisher. They will be introduced to the Internet and will use the Internet as a research tool to gather information for completing various projects. Along with the skills acquired in this course, students will complete a professionalism unit that can be incorporated and utilized throughout a student's high school, college, and professional experience.

WEB DESIGN 0205 or 0206

1 Semester 1 Credit Grades: 9-12

Prerequisite: None

Fee: \$7.00

COURSE DESCRIPTION: [IDOE 4574] Web Design is a one -semester course that provides instruction in the principles of web design using current/emerging software programs such as Dreamweaver. Areas of instruction include audience analysis, design techniques, and software integration. Photoshop, Fireworks, and Flash will be used to create and edit images and to create animations to enhance the web pages.

SPORTS & ENTERTAINMENT MARKETING

0255 or 0256

1 Semester 1 Credit Grades: 10-12

Prerequisites: None

Fee: \$6.00

COURSE DESCRIPTION: [IDOE 5984] Students taking this course will build upon their prior

knowledge of marketing and learn how to apply it directly to sports, recreation and entertainment industries. Students will apply what they are learning directly to marketing sports and entertainment activities here at Penn High School for a more hands-on learning experience. Optional participation in the Career and Technical Student Organization of DECA will be made available.

PRINCIPLES OF MARKETING 0229 or 0230

1 Semester 1 Credit Grades 10-12

Prerequisite: None

Course Fee: \$2.00

Possible Additional Cost: Voluntary Membership in a Marketing Club (DECA)

COURSE DESCRIPTION: [IDOE 5914] Principles of Marketing take place every day of your life and in every job you will hold. This is a class designed to teach students not only about the various functions of marketing, but also how each function fits with the others. Throughout the course, students will learn about marketing in a global economy, sports and entertainment marketing, fashion merchandising, E-commerce, developing a new product, professionalism, and also will be able to create an advertising campaign and learn about possible careers in Marketing.

STRATEGIC MARKETING 0233

2 Semesters 2 Credit Grades: 11-12

Prerequisite: Principles of Marketing, Must have received a C+ or higher in Principles of Marketing

Course Fee: \$4.00

Possible Additional Cost: Voluntary Membership in a Marketing Club (DECA)

COURSE DESCRIPTION: [IDOE 5918] A continuation and expansion on the Marketing class. In this class we will explore the marketing mix in more detail and work with local companies with real marketing problems. Students will be responsible for more hands-on projects and critical thinking about marketing for businesses, careers in marketing and how entrepreneurs need and use marketing. Students will be conducting different forms of marketing research, creating an in-depth marketing plan for an existing company, and producing effective advertising campaigns.

PERSONAL FINANCIAL RESPONSIBILITY
(Formerly Personal Finance) 0207 or 0208

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Fee: \$2.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 4540] This is a personal finance course that introduces students to banks and the use of banking services (checking accounts, savings accounts, etc.) It also introduces students to the world of credit, how to use credit and the actual costs of using credit. Students will also be introduced to insurance. Students will learn about vehicle, life, health, property, and disability income insurance. The class will culminate with a practice set on family financial management that will require the students to apply what they have learned about personal finances.

PRINCIPLES OF BUSINESS MANAGEMENT
0237/0238

Recommended Grade Level: 10-12

Recommended Prerequisites: Introduction to Business

1 Semester 1 Credit per semester
2 credits maximum

Counts as a Directed Elective or Elective for all diplomas

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 4562] (BUS MGMT) Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free-enterprise system. Students will attain an understanding of management, team building, leadership, problem-solving steps and processes that contribute to the achievement of organizational goals. The management of human and financial resources is emphasized.

INTRODUCTION TO ENTREPRENEURSHIP
(Formerly Entrepreneurship & New Ventures)
0211 or 0212

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Course Fee: \$3.00

Possible Additional Cost: Voluntary
Membership in a Marketing Club (DECA)

COURSE DESCRIPTION: [IDOE 5967] Do you dream of owning your own business someday? Do you want to learn what it's like to run your own business? Well, now you can, if you take the Introduction to Entrepreneurship class here at Penn. Introduction to Entrepreneurship is designed

to give students the skills they need to effectively plan, market, finance, and manage a small business. This course covers topics such as: planning, knowing customers and competitors, finding a location, developing a marketing plan, small business assistance, franchising and finances. Students will create an original business plan throughout the semester for the business of their choice.

BUSINESS LAW & ETHICS

0209 or 0210

1 Semester 1 Credit Grades: 10-12

Prerequisite: None

Textbook: None Fee: \$3.00

COURSE DESCRIPTION: [IDOE 4560] Business and Personal Law is a business course that provides an overview of the legal system. Topics covered include: Basics of the Law, Contract Law, Employment Law, Personal Law, and Property Law. Both criminal and civil trial procedures are presented. Instructional strategies should include mock trials, case studies, field trips, guest speakers, and Internet projects.

INTRODUCTION TO BUSINESS

0235 or 0236

1 Semester 1 Credit Grades: 9-10

Prerequisite: None

Textbook: None Fee: \$2.00

COURSE DESCRIPTION: [IDOE 4518] A great introductory course for any students interested in business. This course will briefly cover economics, entrepreneurship, management, marketing, law, risk management, banking, personal finance, and careers in business. The importance and application of business etiquette and ethics are included. Introduction to Business will include- problem-based projects and group work.

INTRODUCTION TO ACCOUNTING 0213
2 Semesters 2 Credits Grades: 10-12

Prerequisite: None

Additional Costs: Workbook Purchased: 40.00

Practice Set Purchased: 35.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 4524] This course presents the complete accounting cycle for keeping records for both a service-type business and a merchandising business. Instruction is given on the principles and methods of recording business transactions, preparation of financial

reports, and interpretation of records. Other topics included are petty cash, sales tax, bad debts, depreciation, and notes and interest. A practice set is also included. Students will find this course helpful in keeping business records as well as their own personal financial records. It provides knowledge that can be applied in the workforce or education beyond high school. The software program Excel is used throughout the course. Provide students with accounting knowledge that is essential for any business degree or profession. Students will have the opportunity to interview with a local accounting firm for an internship.

ADVANCED ACCOUNTING 0215

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Introduction to Accounting

Recommended: Grade of "C" or higher in Beginning Accounting/Accounting I

Fee: \$6.00

Additional Cost: Workbook purchased: 41.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 4522] This course is designed for the student who plans to begin work following high school graduation or for the student who plans to continue his or her education beyond high school. Students have the opportunity to develop employable skills as an accounting clerk. Students gain a deeper knowledge of accounting which is highly useful for those who plan to major in accounting or some other area of business at the college level. The student will learn to interpret and analyze all types of financial statements. Students will obtain a broad understanding of business activities and develop decision-making skills. Students will be provided with the opportunity to apply accounting practice and theory on automated computer systems. It provides knowledge that can be applied in the workforce or education beyond high school. Business software programs such as: Microsoft Excel is implemented into this course. Course provides students with advanced accounting knowledge and skills needed for college degrees in business.

INTRODUCTION TO COMPUTER SCIENCE (PLTW) 0203/204

1 Semester 1 Credits Grade: 9 & 10

Prerequisite: None

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 4803]

Introduction to Computer Science allows students to explore the world of computer science. Students will gain a broad understanding of the areas composing computer science. Designed to be the first computer science course for students who have never programmed before, Introduction to Computer Science is a good starting point of the Computer Science Pathway. Students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cyber-security. Beyond learning the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy. Counts as a Directed Elective or Elective for all diplomas.

COMPUTER SCIENCE I 0217

(Formerly Computer Programming I)

2 Semesters 2 Credits Grades: 9-12 (9th grade with permission from instructor)

Prerequisite: Completion of, or present enrollment in, Algebra I with a "C" average or above

Textbook: None

Fee: \$3.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 4801] This course is designed for students with no previous programming experience, who are good problem solvers, who have acquired basic Windows skills and are interested in computer science or related career fields. This course will help students learn how to plan, create and debug their own interactive Windows applications and games using the programming language, Visual Basic 2012.

COMPUTER SCIENCE II: PROGRAMMING (Formerly Computer Programming II) 0219

2 Semesters 2 Credits Grades: 10-12

Prerequisites: Computer Programming I and teacher recommendation

Textbook: None

Fee: \$3.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 5236] This course is designed for students with a greater interest in computer science and related career fields. This course will develop and explore various

techniques from previous programming classes and apply them using the programming language, C++ in a console environment using Visual Studio 2015. This course qualifies for the Technical Honors Diploma.

COMPUTER SCIENCE II: SPECIAL TOPICS PROJECTS, GAME & DESIGN 0221

(Formerly Computer Programming III)

2 Semesters 2 Credits Grades: 11-12

Prerequisite Required: Computer Science 1 or Computer Programming 1; Recommended: Computer Science II Programming or Computer Programming II

Textbook: None

Fee: \$5.00

COURSE DESCRIPTION: [IDOE 5252] This course is designed for students with a serious interest in computer science and related career fields. This course will continue to develop various techniques from previous programming classes. Students will explore C# and work on game development using current frameworks and toolkits such as Unity and Visual Studio 2015- XNA. Students have the opportunity to design unique projects in teams and individually. This course qualifies for the Technical Honors Diploma.

PROFESSIONAL CAREER INTERNSHIP

1, 2 or 3 Blocks 1 or 2 Semesters

One Block: 1 credit per semester

0680, 0681, 0682, 0683, 0684, 0685, 0686, 0687

Two Blocks: 2 credits per semester

0674, 0675

Grades 11-12

Prerequisite: None No application is required

Fee: \$3.00

Other: Students must provide their own transportation

COURSE DESCRIPTION: [IDOE Work-Based Learning] Professional Career Internship is a career course that is designed to provide opportunities for students to explore careers that require additional degrees, certifications or training beyond high school. The emphasis of the experience is on applying skills developed through instruction from an adult mentor and learning new career competencies at the internship site. Activities can be tailored to the unique needs and interests of the students. Internships may be paid or unpaid. A teacher monitors students in their field experiences. Students should enroll in the Internship class because the program provides an opportunity for a student to experience all aspects of "real world" requirements for success and the

program is a means of linking academic learning with career and community experiences. As part of this Work-Based Learning experience, students will complete a number of components resulting in a portfolio.

COMPUTER SUPPORT INTERNSHIP

1852 (with 1823)

1 or 2 Semesters 1 or 2 Credits

Grades: 11-12

Prerequisites: Computer Programming or Computer Network Support

Fees: \$15.00

COURSE DESCRIPTION: [IDOE 5260] Computer Support Interns will learn how to troubleshoot computers and maintain technology equipment. Objectives of this course include IT support for teacher laptops, student & teacher Chromebooks and maintaining the technology infrastructure to help meet Penn High School technology needs all while incorporating interpersonal communication skills when dealing with staff.

Business: ACP/AP/Dual Credit/Capstone Courses

ACP CADET TEACHING EXPERIENCE 0223 F200 (I.U.)

2 Semesters 2 Credits Grades 11-12

Prerequisites: 2.9 or higher GPA, Rank in the Top Half of the Class, Clean School Disciplinary Record, and attendance record. Students Must Provide Their Own Transportation to Elementary and Middle Schools. Students will be visiting all schools in the district set up by teacher first semester.

Students must complete the ACP application & enrollment at the beginning of the school year.

Textbook Purchase: \$10.00

Fee: \$6.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 0502] This elective course provides students in grades eleven (11) or twelve (12) organized exploratory teaching experiences in grades kindergarten (K) through grade nine (9). All teaching experiences are preplanned by the high school teacher and the cooperating teacher(s) who are interested in supervising prospective teachers. This course provides a balance of class work relating to: (1) classroom organization, (2) classroom management, (3) the curriculum and instructional

process, (4) observations of teaching, and (5) instructional experiences. Students will explore a variety of issues. Self-exploration will be blended with concrete analysis of the teaching profession. Teaching will be scrutinized from diverse perspectives, integrating key concepts with real life experiences. Teaching methods will be incorporated in the course to permit students to encounter different methods of learning. After completing a series of in-class preparations and assignments, students will be matched with PHM teachers for a cadet teaching experience. While with the teacher they: assist with group work, class presentations, bulletin boards, library work, individual help, reading assignments, and many other areas. It is a hands-on learning environment. *Students who qualify and successfully complete the course may receive three (3) college credits from Indiana University Bloomington or IUSB (Indiana University South Bend). The college credit will be granted, at a reduced tuition rate, through the Advanced College Placement (ACP) Futures in Education Program. To receive college credit, students must pay an approximate tuition cost of \$75. It is the choice of the student to take the class for high school credit only or for both high school and college credit. Students are not required to pay the college tuition, if they choose the high school credit only option. Students must have a GPA of 2.7 to receive college credit. This course is based upon a 5.0 GPA scale with a passing grade of a C or higher.*

ADVANCED CADET TEACHING 0231

2 Semesters Credits 2 Grade 12

Recommended by: Cadet Teaching I Instructor

Book Purchased: \$10.00 Fee \$2.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 0502] Students who qualify and have successfully completed Cadet Teaching I and are recommended by their instructor may take this course. This is an extension of Cadet Teaching I and the students will be placed in various schools within the PHM Corporation for the entire year. Assignments are completed outside of class and turned in on the due date which is cited on the course syllabus. This course is offered first block an or second block of each day.

BUSINESS-RELATED CLASSROOM EXPERIENCE-CAPSTONE COURSE 0225

(Formerly COE-Related Learning Experience)

2 Semesters 2 Credits Grade: 11-12

Prerequisite: Must be enrolled concurrently in the Business Related Work Experience-on-the-job training program-Course #0227

This class meets Gold Days during "A" Lunch Fee: \$5.00

COURSE DESCRIPTION: [IDOE 5902] Business Related Classroom Experience is the classroom component of the Business Related Work Experience program. The instruction in this class is related to the student's on-the-job training program and career goals. General instruction will center on topics such as personality and self-improvement, human relations, communication skills, money and business management, taxes, refinement of skills and career exploration.

BUSINESS-RELATED WORK EXPERIENCE 0227

(Formerly Co-Operative Office Education - COE) (On-the-Job Training)

2 Semesters 4 Credits Grade: 11-12

Approximately 15-20 hours of on-the-job training each week and an application are required.

Student must also enroll in Course 0225

Other: Student must provide their own transportation

COURSE DESCRIPTION: [IDOE 5902] Students interested in business related careers - general office assistant, bank/credit union teller, receptionist, accounting/bookkeeping, recordkeeping, data entry, sales/selling/retail, clerk, cashier, etc. should enroll in Business Related Work Experience. Business Related Work Experience is an on-the-job training program for young men and women. The student will receive a minimum of 15 hours of training each week, will be paid at least the minimum wage, and will earn four credits for this experience. The Business Related Work Experience program allows students to apply their skills, to explore career possibilities, and to receive one year of work experience. Students must make formal application to the program.

ENTREPRENEURSHIP AND NEW VENTURES CAPSTONE/ St. Joe County CEO Program

5966 (ENT VENT CAP) 0657

(+ 0658 for 2nd period study hall)

This is an off-site experience that is run through St. Joe County CEO Program. The class meets every day from 7:30-9:00. The class meets at various locations throughout the year.

Recommended Grade Level: 12

Application Required: Application can be found at www.stjoeceo.org.

Recommended Prerequisites: Principles of Business Management or Principles of Marketing

Required Prerequisites: Introduction to Entrepreneurship and Digital Applications and Responsibility or 2 add'l business classes

Credits: 2 Semester course, 2 Semesters required, 1-3 Credits per semester, 6 Credits maximum

Counts as a Directed Elective or Elective for all diplomas

Fee: Established by the St. Joe County CEO Program

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5966]

Entrepreneurship and New Ventures Capstone introduces entrepreneurship, and develop skills and tools critical for starting and succeeding in a new venture. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept, feasibility analysis, and "go to" market strategies will be explored through mini-case studies of successful and unsuccessful entrepreneurial start-ups. Additionally, topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising startup funding, sales and revenue forecasting, and business plan development will be presented through extensive use of word processing, spreadsheet and presentation software. Students are paired up with a mentor from the St. Joseph County business community; students are immersed in real-life learning experiences with the opportunity to take risks, manage the results, and learn from the outcomes. Dual credit is through Ivy Tech for Entrepreneurship 101 & 105.

DUAL CREDIT FINANCE 0259 or 0260

1 Semester 1 Credit Grades: 11-12

Prerequisites: None

Fees: \$2.00

Textbook Rental: \$26.64

This course is weighted on a 4.5 scale

COURSE DESCRIPTION: [IDOE 4564] Students in this course will use paper and automated practices to learn a foundation for financial planning, preparing taxes, managing credit, insurance investments and basic assets. The main objectives of the class are to improve financial literacy and interest in finance, to deal with everyday personal financial needs, and to explore

careers in finance. Students enrolled in Dual Credit Finance will have the opportunity to earn college credit through Ivy Tech. Students must have a 2.7 or higher to receive college credit. This course is based upon a 4.5 GPA scale with a passing grade of a C or higher.

ACP PRINCIPLES OF BUSINESS ADMINISTRATION/Management

B190 (I.U.)

0265 or 0266

1 Semester 1 Credit Grades: 11-12

Fee: \$2.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 4562] Principles of Business Administration is a college-level course that prepares students to plan, organize, direct and control the functions and processes of a firm or organization and to perform business-related functions. Students are provided opportunities to develop attitudes and apply skills and knowledge in the areas of business administration, management, and finance. Individual experiences will be based upon the student's career and educational goals. Students enrolled in ACP Principles of Business Administration will have the opportunity to earn college credit through IU at a reduced tuition cost of \$75.00. Students must have a GPA of a 2.7 or higher to receive college credit. This course is based upon a 5.0 GPA scale with a passing grade of a C or higher. Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

BANKING & INVESTMENT CAREERS

CAPSTONE

0267-0268

2 Semesters 2 credits Grades: 11-12

Fee: \$2.00

Textbook: Not determined at this time.

Required Prerequisite: Introduction to

Accounting and Advanced Accounting course

Counts as a Directed Elective or Elective for all diplomas • Qualifies as a quantitative reasoning course

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 5258] Banking and Investment Careers addresses the need of schools in areas that have workforce demand in the finance industry. It analyzes and synthesizes high-level skills needed for a multitude of careers in the banking and investment industry. Students learn banking, investment, and other finance fundamentals and applications related to financial institutions, business and personal financial

services. The course provides students with work based learning experiences to acquire and apply knowledge and skills in one or more careers in the industry. Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

***AP COMPUTER SCIENCE PRINCIPLES
(PLTW)*** **0261**

Credits: 2 semester course, 1 credit per semester

Recommended Grade Level: 11, 12

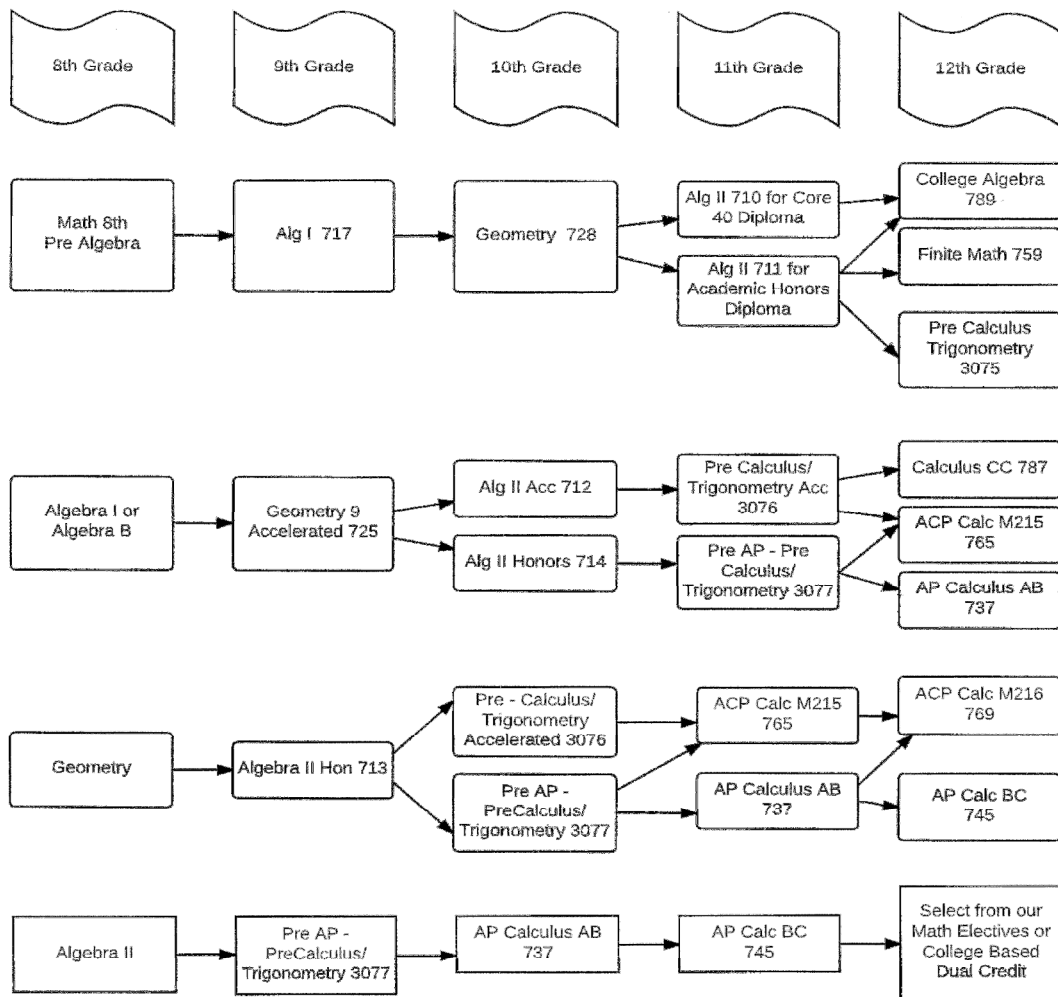
Prerequisite: Introduction to Computer Science or Computer Science I.

Fee: \$3.00

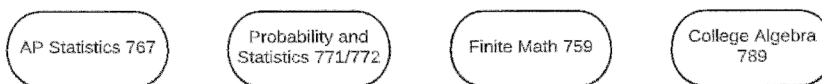
Additional Cost: AP Exam Cost \$95.00

This course is weighted on a 5.0 scale

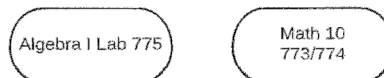
COURSE DESCRIPTION: [IDOE 4568] The AP Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. This course is based upon a 5.0 GPA scale. Counts as a Math Course for all diplomas. Students must take the PTLW EOC; free of charge. The AP Exam may be taken, but not required, at the student's expense of \$95.00.



Math Electives



Math Remediation



Mathematics

ALGEBRA I

0718

2 Semesters 2 Credits Grades 10-12

Prerequisite: None

Fee: \$6.00

COURSE DESCRIPTION: [IDOE 2520] The Mathematics standards for Algebra I are made up of 5 strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. Algebra 1 is a required course for graduation.

GEOMETRY

0728

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Algebra I

Fee: \$3.00

COURSE DESCRIPTION: The Mathematics standards for Geometry are made up of 5 strands: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. Algebra skills will be reviewed and remediated in this course.

ALGEBRA II

0710

(Towards Core 40 Diploma, only)

2 Semesters 2 Credits Grades 11-12

Prerequisite: Algebra I and Geometry

Fee: \$4.00

COURSE DESCRIPTION: [IDOE 2522] This course is designed for students who are planning on earning a Core 40 Diploma and want to take Prob./Stats or College Algebra their senior year. This course focuses on the fundamentals of Algebra. The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. Students who take this course will NOT be prepared for Pre-Calculus. A scientific calculator is required and students will gain experience using a graphing calculator.

ALGEBRA II

0711

(Towards Academics Honors diploma)

2 Semesters 2 Credits Grades 10-12

Prerequisite: Algebra I with a "C" or better and Geometry

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2522] This course is designed for students who are planning on earning an Academic Honors Diploma. The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. Students who are successful in this course (earn an A or B) in this course will be prepared for Pre-Calculus/Trigonometry. A scientific calculator is required and students will gain experience using the graphing calculator.

ALGEBRA II ACCELERATED

0712

2 Semesters 2 Credits Grade: 10

Prerequisite: Geometry Acc 0725 as a freshman with a "C" or above and Algebra I with an "A".

Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2522] This course is for students with above average performance in Math. The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. The pace of this course is accelerated, compared to Alg. II 710 and 711. Students who are successful in this course should take Pre-Calculus Accelerated. A scientific calculator is required and students will gain experience using a graphing calculator.

PRE-AP ALGEBRA II**0714****2 Semesters 2 Credits Grades 10-12****Prerequisite:** Algebra I and Geometry H with a "B" average or higher**Fee: \$3.00**

COURSE DESCRIPTION: [IDOE 2522] The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. This course is for students with superior performance in math. Compared to Algebra II, the pace of this course is accelerated and topics are covered in greater depth. Students will gain experience using the graphing calculator. A scientific calculator is required and a graphing calculator is highly recommended.

COLLEGE ALGEBRA - IVY TECH 136 0789**2 Semesters 2 Credits Grade: 12****3 College Credits can be earned****Prerequisites:** Completion of Algebra II 711 or 710 with an A**Textbook Rental : TBD****Fee: \$3.00*****This course is weighted on a 4.5 scale.***

COURSE DESCRIPTION: [IDOE 2544] This course is designed for students that need additional work in Algebra before attempting Pre-calculus. College Algebra – Ivy Tech 136 presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and exponential and logarithmic functions. Ivy Tech Credit may be earned. Topical areas of study include:

- Quadratic, polynomial, rational and radical equations
- Complex Numbers
- Exponential and logarithmic functions
- Radicals and rational expressions
- Graphs of equations and functions
- Variation
- Systems of equations

FINITE MATH - IVY TECH 135**0759****2 Semesters 2 credits Grade:12****Prerequisite:** Algebra II 711 with a C or higher or a passing grade in Alg. II 712 or Pre-Calculus 0753**Textbook Rental: \$25.27****Fee \$ 3.00*****This course is weighted on a 4.5 scale.***

COURSE DESCRIPTION: [IDOE 2530] This course is designed for college bound students. Topics include solving and graphing linear equations and inequalities, elementary set theory, matrices and their applications, linear programming, and elementary probability. This is a standard finite mathematics course. Ivy Tech Credit may be earned.

*Pre-Calculus, previously a one year course, is now divided into Pre-Calculus first semester and Trigonometry second semester.

PRE-CALCULUS**0753 (3075)****Use 3075 to register for both Pre-Calc and Trig****1 Semester 1 Credit Grade: 10-12****Prerequisite:** Algebra II 711 with an A or B or Algebra II Accelerated with a "C" or better both semesters.**Fee: \$1.50**

COURSE DESCRIPTION: [IDOE 2564] This course extends the foundations of algebra and functions developed in previous courses to new functions. The course includes concepts that must be mastered prior to enrollment in a college-level calculus class. A functional approach provides a means for examining linear, quadratic, higher degree, rational relationships and logarithmic functions. A scientific calculator is required and a graphing calculator is highly recommended.

TRIGONOMETRY**0732 (3075)****Use 3075 to register for both Pre-Calc and Trig****1 Semester 1 Credit Grade: 10-12****Prerequisite:** Prerequisite: Algebra II 711 with an A or B or Algebra II Accelerated with a "C" or better both semesters.**Fee: \$1.50**

COURSE DESCRIPTION: [IDOE 2566] Trigonometric relationships will be developed from an understanding of the circular function and their properties and graphs. Inverse trig functions, trig equations and identities, the Law of Sines and Cosines and applications of trig functions will be studied. The course also includes arithmetic and geometric sequences.

***Pre-Calculus, Accelerated, previously a one year course, is now divided into Pre-Calculus, Accelerated first semester and Trigonometry, Accelerated second semester.**

PRE-CALCULUS, ACCELERATED 0735 (3076)

Use 3076 to register for both Pre-Calc and Trig, Accelerated

1 Semester 1 Credit Grade: 10-12

Prerequisite: Algebra II Honors with a "C" or above, or Algebra II Accelerated 712 with a "B" or above

Fee: \$1.50

COURSE DESCRIPTION: [IDOE 2564] Pre-Calculus extends the foundation of algebra and functions developed in previous courses to new functions and to a more advanced level. Pre-Calculus is made up of the Following strands: Complex Numbers, Functions, Quadratic, Polynomial and Rational Equations and Functions, Exponential and Logarithmic Equations and Functions. This course is designed to provide students with a strong foundation for Calculus. This course is preparing the students for ACP Calculus 215. Students with a strong A can take AP Calculus AB. A scientific calculator is required and a graphing calculator is highly recommended.

TRIGONOMETRY, ACCELERATED 0736 (3076)

Use 3076 to register for both Pre-Calc and Trig, Accelerated

1 Semester 1 Credit Grade: 10-12

Prerequisite: Algebra II Honors with a "C" or above, or Algebra II Accelerated 712 with a "B" or above

Fee: \$1.50

COURSE DESCRIPTION: [IDOE 2566] Trigonometry Accelerated provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry consists of: Conics, Unit Circle, Periodic Functions, Identities, Polar Coordinates and Vectors. Trigonometry provides the foundation for common periodic functions that are encountered nearly all STEM disciplines. This course is preparing the students for ACP Calculus 215. Students with a strong "A" can take AP Calculus AB.

***Pre-Calculus, Pre-AP, previously a one year Honors course, is now divided into Pre-Calculus first semester and Trigonometry second semester.**

PRE-CALCULUS, PRE-AP 0733 (3077)

Use 3077 to register for both Pre-Calc and Trig, Pre-AP

1 Semester 1 Credit Grades: 9-12

Prerequisite: Algebra II Honors and Geometry Honors with a "B" average or above, or Algebra II Accelerated and Geometry Honors with an "A"

Fee: \$1.50

COURSE DESCRIPTION: [IDOE 2564] Pre-Calculus, Pre-AP is an Honors course that extends the foundation of algebra and functions developed in previous courses to new functions and to a more advanced level. Pre-Calculus is made up of the following strands: Complex Numbers, Functions, Quadratic, Polynomial and Rational Equations and Functions, Exponential and Logarithmic Equations and Functions. This course is designed to provide students with a strong foundation for Calculus. This course is preparing the students for AP Calculus AB and for students who expect math to be a major component of their college courses. A scientific calculator is required and a graphing calculator is highly recommended.

TRIGONOMETRY, PRE-AP 0738 (3077)

Use 3077 to register for both Pre-Calc and Trig, Pre-AP

1 Semester 1 Credit Grade: 10-12

Prerequisite: Algebra II Honors and Geometry Honors with a "B" average or above, or Algebra II and Geometry with an "A"

Fee: \$1.50

COURSE DESCRIPTION: [IDOE 2566] Trigonometry, Pre-AP is an Honors course that provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry consists of: Conics, Unit Circle, Periodic Functions, Identities, Polar Coordinates and Vectors. Trigonometry provides the foundation for common periodic functions that are encountered nearly all STEM disciplines. This course is preparing the students for AP Calculus AB.

ACP BUSINESS CALCULUS M119 (I.U.)**0787****2 Semesters 2 Credits Grades: 11-12****Prerequisite:** Pre-Calculus with a "B" average or above and teacher recommendation**Fee:** \$3.00**Additional Cost:** An hourly fee for 3 credits will be assessed by Indiana University for students opting for college credit.***This course is weighted on a 5.0 scale.***

COURSE DESCRIPTION: [IDOE 2527] This course is an in-depth study of functions, graphs, limits, continuity, derivatives, and integrals of those functions and their applications. It provides rigorous instruction in mathematical modeling concepts and skills presented in the context of real-world applications. It may be taken for college credit for students pursuing a liberal arts program in college. It is required that each student has a graphing calculator. *NOTE: In order to receive weighted credit on transcripts, students must successfully complete both semesters of the course and take the I.U. final exam.*

ACP CALCULUS M215 (I.U.)**0765****2 Semesters 2 Credits Grades: 11-12****Prerequisite:** Pre-Calculus with an "A" average or Pre-Calculus Accelerated with a "B" average or above, and teacher recommendation or Pre-Calculus Honors with a "C" average or above**Fee:** \$3.00**Additional Cost:** An hourly fee for 5 credits will be assessed by Indiana University for students opting for college credit.***This course is weighted on a 5.0 scale.***

COURSE DESCRIPTION: [IDOE 2527] This is a college Calculus course, which is comparable to the length and difficulty of a first semester college calculus course. It is an in-depth study of functions, limits, graphs, continuity, derivatives, and integrals of those functions and their applications. The pace of this course is more accelerated and the content depth is greater than in Calculus 0787. Students who apply, qualify and successfully complete the course will receive five Indiana University credits that may be transferable to other colleges. It is required that each student has a graphing calculator. *NOTE: In order to receive weighted credit on transcripts, students must successfully complete both semesters of the course and take the I.U. final exam.*

ACP CALCULUS M216 (I.U.)**0769****2 Semesters 2 Credits Grade: 11, 12****Prerequisite:** ACP Calculus M215 with a "B" average or above and teacher recommendation or AP Calculus AB with a "C" average or above and teacher recommendation.**Fee:** \$3.00**Additional Cost:** An hourly fee for 5 credits will be assessed by Indiana University for students opting for college credit.***This course is weighted on a 5.0 scale.***

COURSE DESCRIPTION: [IDOE 2544] This course is designed for highly motivated mathematics students who have successfully completed ACP Calculus M215. It is an in-depth study of advanced techniques in integration, volumes of solids of revolution, sequences and series. Students who qualify and successfully complete the course will receive five Indiana University credits that may be transferable to other colleges. It is required that each student has a graphing calculator. *NOTE: In order to receive weighted credit on transcripts, students must successfully complete both semesters of the course and take the I.U. final exam.*

AP CALCULUS AB**0737****2 Semesters 2 Credits Grades: 10-12****Prerequisite:** Pre-Calculus Honors with a "B" average or above; Pre-Calculus Accelerated with an "A" average**Fee:** \$3.00**AP Exam:** Determined annually by the College Board (last year's fee: \$91.00)***This course is weighted on a 5.0 scale.***

COURSE DESCRIPTION: [IDOE 2562] This is a college Calculus course. It is designed for students who have demonstrated a superior performance in math. The pace of this course is more accelerated and the content depth is greater than in Honors courses. The course includes advanced integration and differentiation techniques. The use of a graphing calculator is central to the course. Students should be prepared to do a self-paced intensive Pre-Calculus review during the summer prior to entering the course. It is required that each student has a graphing calculator. A student may gain college credit with a successful score on the AP exam. *NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and take the Advanced Placement examination in that course.*

AP CALCULUS BC **0745****2 Semesters 2 Credits Grades: 11-12****Prerequisite:** Advanced Placement AB and teacher recommendation**Fee:** \$3.00**AP Exam:** Determined annually by the College Board (last year's fee: \$91.00)***This course is weighted on a 5.0 scale.***

COURSE DESCRIPTION: [IDOE 2572] This course is designed for highly motivated mathematics students who have successfully completed AP Calculus AB. This is a second year course that complies with and exceeds the College Board standards. It is an in-depth study of advanced techniques of integrations, improper integrals, sequences and series, differential equations, topics in three-dimensional space and vectors. It is required that each student has a graphing calculator. A student may gain college credit with a successful score on the AP exam. *NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and take the Advanced Placement examination in that course.*

PROBABILITY AND STATISTICS**0771 or 0772****1 Semester 1 Credit Grades: 10-12****Prerequisite:** Algebra II with a C or better**Fee:** \$2.50

COURSE DESCRIPTION: [IDOE 2546] This course includes the concepts and skills needed to apply statistical techniques in the decision-making process. Students will learn the basics about populations and samples and how to design, implement, collect and interpret a study, and learn the basics of hypothesis testing. The course is designed around in-class use of graphing calculators in addition to simple hand calculations.

AP STATISTICS **0767****2 Semesters 2 Credits Grades: 10-12****Prerequisite:** Algebra II Honors with "B" average or above, Algebra II with "A" average**Fee:** \$3.00**AP Exam:** Determined annually by the College Board (last year's fee: \$91.00)***This course is weighted on a 5.0 scale.***

COURSE DESCRIPTION: [IDOE 2570] This course is for mathematically able students who can work at a fast pace and wish to complete studies in

high school, equivalent to a one-semester, non-calculus based college course in introductory statistics. It is recommended for juniors or seniors who will be exposed to four broad conceptual themes: exploring data by observing patterns and departures from patterns; planning a study to decide what and how to measure; producing models using probability and simulation; and using statistical inference to confirm models. The use of computer software and graphing calculator technology will be an integral part of the course. It is required that each student has a graphing calculator with statistical capabilities (the TI-83 or TI-84 is recommended. A student may gain college credit with a successful score on the AP exam.

NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and take the Advanced Placement examination in that course.

CAPSTONE COURSE**MEDICAL STATISTICS****1790****2 Semesters 2 Credits****Prerequisite:** AP Statistics and teacher recommendation**Fee:** \$5.00***This course is weighted on a 4.5 scale.***

COURSE DESCRIPTION: [IDOE 2543] This course is designed for highly motivated mathematics students who have successfully completed AP Statistics. This is a second year course that applies statistics into the field of science and medicine. The topics that are covered are regression analysis, ANOVA, nonparametric, Chi-Square, and statistical processes. In addition to these topics, students will learn specific concepts that pertain to medical research that will help any student wanting to study a science field or medicine. Students will also learn the basics of abnormal psychology, medical terminology, and read autobiographies that support specific illnesses that are studied during class. Students must have a graphing calculator for this class. In order to receive weighted credit for this class, students must successfully complete the STEM data analysis project given to them each semester.

ALGEBRA I LAB**0775****2 Semesters****2 Credits****Grade: 9**

Prerequisites: None. Students are placed in the course based on standardized test scores (NWEA, or ISTEP) and/or teacher recommendation.

Fee: \$5.00

COURSE DESCRIPTION: [IDOE 2516] Algebra I Lab is a mathematics support course for Algebra I. The course provides students with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. The five critical areas of Algebra I Lab align with the critical areas of Algebra I. Relationships between Quantities and Reasoning with Equations; Linear and Exponential Relationships; Descriptive Statistics; Expressions and Equations; and Quadratic Functions and Modeling. However, whereas Algebra I contains exclusively grade-level content, Algebra I Lab combines standards from high school courses with foundational standards from the middle grades. Algebra I Lab is designed as a support course for Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same academic year.

MATH 10**0773/0774****2 Semesters****2 Credits****Grades: 10-11**

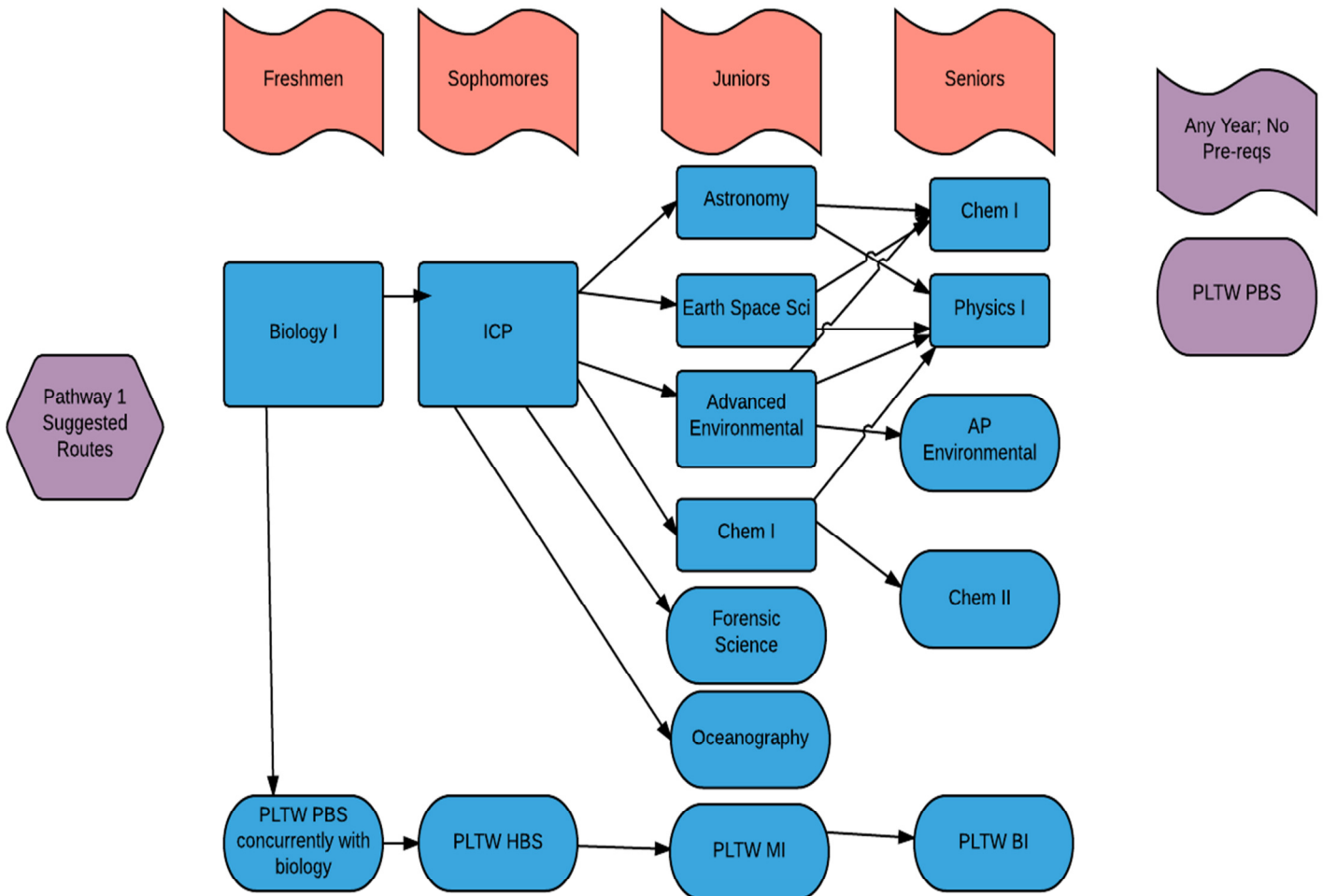
Prerequisite: Must have attempted Algebra 1

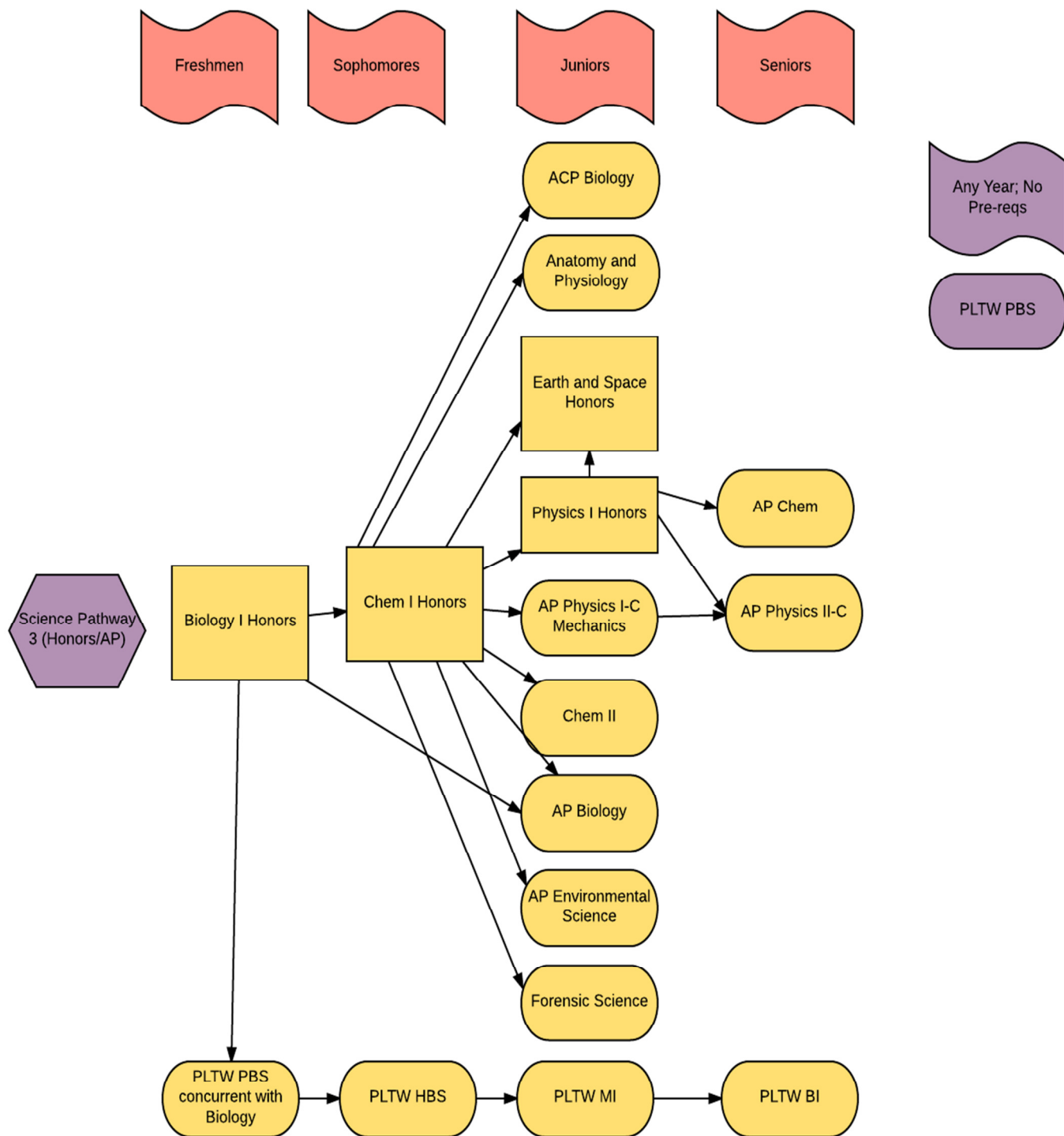
Supplemental Fee: \$3.00

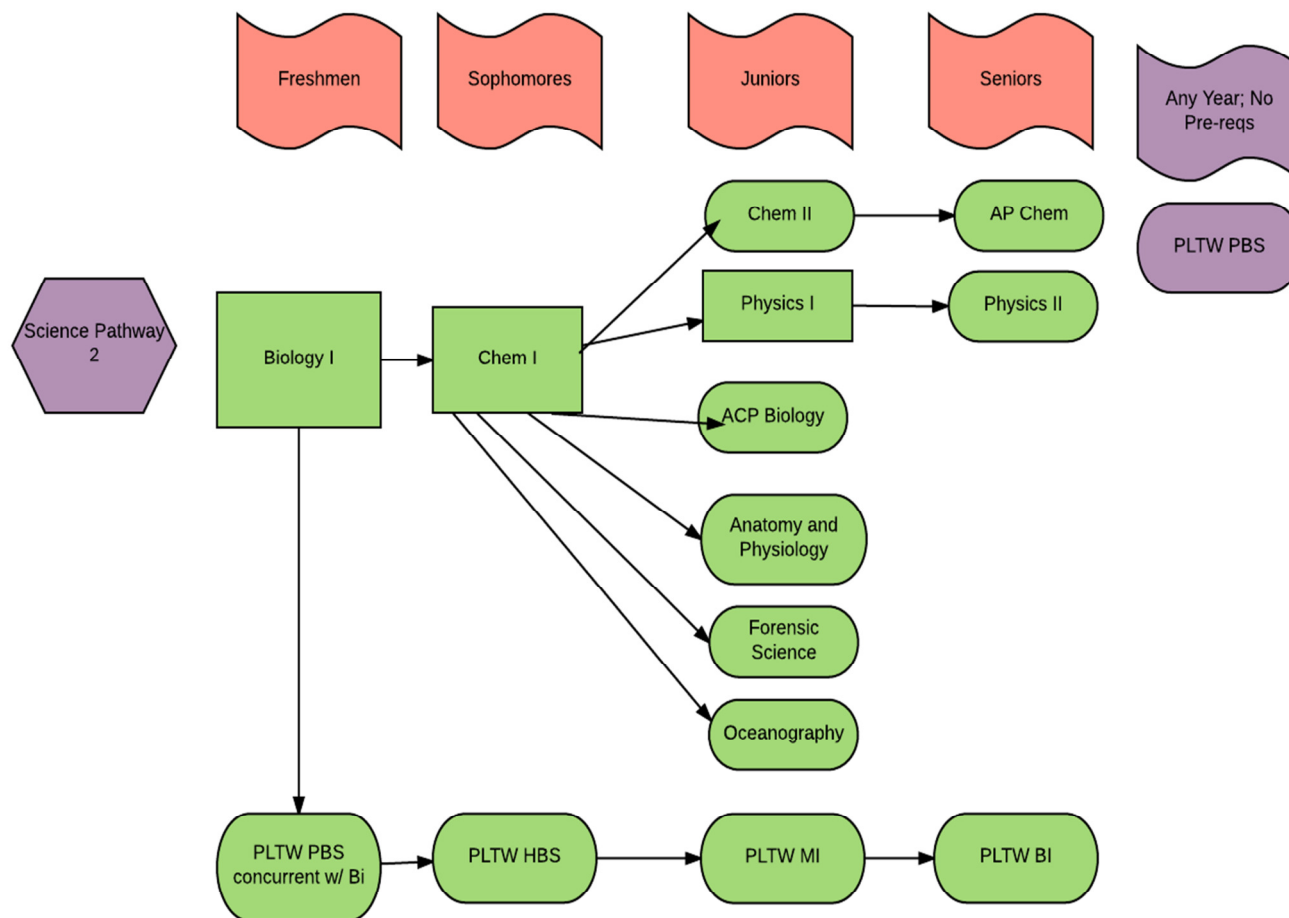
COURSE DESCRIPTION: [IDOE: 2531] Math 10 is a new two-semester course designed to reinforce and elevate the Algebra 1 and 7th and 8th grade geometry knowledge and skills necessary for students to successfully complete high school mathematics courses beyond Algebra 1 and essentials for passing the state's graduation qualifying exam in mathematics. Enrollment will be contingent upon recommendation of the Algebra I or Integrated Math I teacher based on diagnostic results of performance in Algebra I and/or mathematics competency assessments. The standards for this course are aligned to the state standards that students need to master for success with the state's graduation qualifying exam in mathematics and the next level math courses. Emphasis is on a variety of instructional methods designed to meet each student's needs and delivered through competency-based units with frequent pre and post assessment data analyzed to drive instructional design and delivery.

Counts as a Mathematics Course for the General Diploma only or as an Elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

SCIENCE PATHWAYS







SCIENCE

AP BIOLOGY **0935/0936 (use 3083)**

2 Semesters 2 Credits Grades: 10-12

Prerequisites: Biology I Honors, concurrent enrollment in Chemistry I H and current science teacher recommendation.

Textbook Rental: \$14.04

Fee: \$23.00

Lab Workbook: \$13.00

AP Exam: Determined annually by College Board (last year's fee: \$92.00)

This course is weighted on a 5.0 scale, Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3020] Advanced Placement Biology is a very challenging college-level course which follows College Board Entrance Examination guidelines for Advanced Placement Biology. The AP Biology course and the AP Biology Examination stress biological facts, the synthesis of those facts into concepts, themes and science processes. The major areas of study are evolution, energy and systems. Students taking AP Biology

engage in significant college-level laboratory work. The course is taught at a very accelerated pace emphasizing content and detail, science processes. The student should expect to have at least 3-5 hours of homework per week. The course requires a great deal of study outside of class in order to be successful. The course is dual credit for the transferrable Ivy Tech courses BIOL 105 and BIOL 107. A placement test or a passing score in Writing, Reading, or Math from ACT, PSAT, SAT or ACCUPLACER is required by November 1 in order to receive IU transferrable college credit hours. College credit can be received upon successful completion of the AP Biology exam, as well. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. **NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the**

Advanced Placement course and take the Advanced Placement examination in that course.

ACP BIOLOGY L100 (I.U.) 0965
(Humans and the Biological World)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Biology I and Chemistry I with a "B" or better

Textbook Rental: \$27.15

Fees: \$8.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 3090] This college-level course emphasizes how biology has both personal and global implications in human lives. It examines central themes of biology including biochemistry, genetics, evolution, ecology, and human physiology. Students taking this course will investigate biological concepts while developing critical thinking and problem solving skills. This course meets Indiana University biological departmental standards. To earn five college credits a student must enroll following the IU-ACP application procedure, make a necessary tuition payment, and earn a C or better in the class. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

HUMAN ANATOMY AND PHYSIOLOGY 0913

2 Semesters 2 Credits Grades: 11-12

Prerequisite: "B" or better in Biology I and Chemistry I.

Recommendations: This course is recommended for juniors and seniors who are interested in a medical career, are motivated by challenging work, and have good study habits. (Students pursuing a medical career in college are highly recommended to take two years of high school chemistry. (Students can take anatomy and a second year of chemistry in the same year.)

Textbook Rental: \$15.39

Fees: \$50.00

Additional Costs: Workbook \$12.80

COURSE DESCRIPTION: [IDOE 5276] The course is intended primarily for a student interested in a medical career (nurse, physician, physical therapist, radiologist, etc...). The level of work is comparable to that of a college freshman. The course involves having daily homework, extensive anatomy memorization and detailed laboratory dissections. Students need to have, or be willing to develop, good note-taking, reading, and studying

skills. This subject requires 6+ hours per week of studying outside of class for memorizing terms, reading and taking notes from the textbook, diagramming for understanding and researching medical topics. A student will also need to apply newly learned content to solve medical situations. All students must participate in the laboratory dissections. Lab dissection assessments are a significant part of the student's grade. Students will be required to:

- Research topics and give oral presentations.
- Read additional non-fiction literature and participate in regular discussions on the material.
- Work within a group on projects.

This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

INTEGRATED CHEMISTRY-PHYSICS 0915

2 Semesters 2 Credits Grade: 10

Prerequisite: Algebra I or taking Algebra I concurrently. Biology I recommended.

Fee: \$8.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3108] *Integrated Chemistry-Physics* is a course focused on the following core topics: motion and energy of macroscopic objects; chemical, electrical, mechanical and nuclear energy; properties of matter; transport of energy; magnetism; energy production and its relationship to the environment and economy. Instruction will focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures. The course will prepare students to complete future coursework in Chemistry I and Physics I. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

CHEMISTRY I 0921

2 Semesters 2 Credits Grades: 10-12

Sophomore Prerequisites: Biology I, "B" or better, Algebra I, "B" (if taken as a freshman)

Junior & Senior Prerequisites: "B" or better in Algebra I and "A" with teacher recommendation in ICP

Textbook Rental: \$13.53

Fees: \$8.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3064] Chemistry lets you understand the world around you. It helps you to understand what you eat, what you wear, and what you observe. It is often called the central science as it connects many other sciences. Chemistry I is designed for the college-bound student. In this course you will study matter, energy, counting and measuring atoms and their compounds, atomic structure and chemical reactions. The concepts will be presented through laboratory experiments that will involve making observations and predictions, collecting data, analyzing data, and communicating results. Problem solving skills, critical thinking and multiple representations of knowledge will be stressed. Upon successful completion of this course and if you are planning a career in a health, medical or STEM field, you are strongly encouraged to take Chemistry II during your junior or senior year. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

CHEMISTRY I, PRE-AP (HONORS) 0919

2 Semesters 2 Credits Grades: 10-12

Prerequisites: Biology I and Geometry, Algebra II or Pre-Calculus recommended

concurrently. Recommended grades: "B" or better in Biology I Honors or "A" in Biology I and "B" or better in Geometry.

Textbook Rental: \$15.78

Fees: \$8.00

COURSE DESCRIPTION: [IDOE 3064] Chemistry lets you understand the world around you. It helps you to understand what you eat, what you wear, and what you observe. It is often called the central science as it connects many other sciences. Chemistry I Honors is designed for the college-bound student interested in a science career (medical related, engineering, etc.), and/or who has a high interest in science. The honors level of chemistry has a much deeper application of mathematics and the pace is much faster than Chemistry I. There is less direct teacher support in making connections between related topics and you will often be expected to independently apply and extend your knowledge to new situations.

In this course you will study matter, energy, counting and measuring atoms and their compounds, atomic structure, chemical reactions and bonding. The concepts will be presented

through laboratory experiments that will involve making observations and predictions, collecting data, analyzing data, and communicating results. Problem solving skills, critical thinking and multiple representations of knowledge will be stressed. Upon successful completion of this course you will be well prepared and encouraged to take Chemistry II and /or AP Chemistry during your junior or senior year. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

CHEMISTRY II

0923

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Chemistry I

Recommended Grades: B+ or better in Chemistry I, B or better in Chemistry I Honors

Textbook Rental: \$23.16

Fees: \$8.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3066] This course is designed for the college-bound student who anticipates taking a chemistry course in college. Chemistry II expands and deepens the understanding of concepts studied in Chemistry I. Additional emphasis will be placed on molecular structure, thermodynamics, acid-base theories, hydrolysis, kinetics, equilibrium, and redox reactions. Experiments requiring quantitative calculations and formal written reports will be performed in the laboratory. It differs from AP Chemistry in that not all AP Chemistry topics will be studied, or will not be studied at the depth at which they would be assessed on the AP exam. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. Students taking regular Chemistry I are required to take Chemistry II before taking AP Chemistry.

AP CHEMISTRY

0937

2 Semesters 2 Credits Grades: 11-12

Prerequisites: Chemistry I Honors or Pre-Calculus, and Physics I Honors (or Physics I Honors concurrently.)

Required Grades: B or better in Chemistry I Honors; A or B in Chemistry II, B or better in Pre-Calculus.

Textbook Rental: \$24.96

Fee: \$8.00

AP Exam: Determined annually by College Board (last year's fee: \$92.00)

***This course is weighted on a 5.0 scale,
Quantitative Reasoning Course***

COURSE DESCRIPTION: [IDOE 3060] Chemistry, Advanced Placement is a course which follows College Board entrance examination guidelines for advanced placement chemistry. Topics included are atomic and molecular structure, equilibria, oxidation-reduction, thermochemistry, electrochemistry, kinetics and acid-base chemistry. This course also includes extensive college-level laboratory work stressing data acquisition and interpretation. Students are required to keep a laboratory manual. Students prepare for and are required to take the AP Chemistry Exam given in May. To succeed in this course, students should be highly motivated, organized, and have good study habits. College credit will be earned upon successful completion of the AP Exam. Dual credit through Ivy Tech is also available at no cost. Check specific colleges and universities for their policies. There is a short summer assignment over basic Chemistry I principles. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. *NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.*

ASTRONOMY

0925

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Geometry

Workbook: \$35.00

Fee: \$2.00

COURSE DESCRIPTION: [IDOE 3092] Astronomy provides for the in-depth investigation of astronomy. The course is a comprehensive, sequential, practical application course that utilizes the P-H-M Digital Video Theater (formerly the Planetarium) in the study of the: Celestial Sphere; Celestial Coordinates; Constellations; Solar System; Moon and Moon Phases; Eclipses; Sun as a star; Theories on the origin of our Solar System, Milky Way Galaxy, and Universe; Scale Models of: Earth-Sun, Solar System to our nearest star Alpha Centauri, and our Galaxy; Stellar Astronomy (all the things beyond the edge of our Solar System); Lives and Deaths of Stars; Spectroscopy; H&R Diagram; Cosmic Time Scale; Time Travel (Relativity); Life in the universe; Interstellar Space Travel; and the History of Manned Space Flight. This course fulfills a science

requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

ADVANCED ENVIRONMENTAL SCIENCE

0943

2 Semesters 2 Credits Grades: 11-12

Prerequisite: ICP or Chemistry I

Fee: \$8.00

COURSE DESCRIPTION: [IDOE 3010] Advanced Environmental Science is a Core 40 class that introduces fundamental environmental and ecological issues. Students will do laboratory investigations as well as participate in group & class discussions to debate pertinent topics. Many laboratory activities take place outside will require walking to an outdoor laboratory. Outside reading and research may be required as well as reading from the text. Students will do a significant amount of writing to demonstrate their understanding. Some concepts that will be covered include: Ecology, The Atmosphere, Conservation, Water, and Energy. The goal of the course is to prepare students to be literate citizens capable of using their knowledge of environmental science to make decisions to solve problems and make personal, social and ethical decisions that will have consequences for theirs and future generations. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

AP ENVIRONMENTAL SCIENCE 0945

2 Semesters 2 Credits Grades: 10-12

Prerequisites: Successful completion of Chemistry or Earth/Space Science is strongly recommended.

Textbook Rental: \$16.35

Fee: \$8.00

AP Exam: Determined annually by College Board (last year's fee: \$92.00)

***This course is weighted on a 5.0 scale,
Quantitative Reasoning Course.***

COURSE DESCRIPTION: [IDOE 3012] The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. It is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural

and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Considerable emphasis is placed on outdoor field investigations as well as on indoor laboratory study. Students are required to take the AP Environmental Science Examination upon completion of the course in order to receive the weighted grade. A minimum of three to five hours of homework and study is quite common. This is a college-level course and therefore requires considerable time and effort. It is necessary to have reading and study skills at a high enough level to read and comprehend college-level text and write college level papers and reports. The students are held to college-level standards and it is expected that they will perform to meet expectations. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. *NOTE: In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.*

PHYSICS I **0929**

2 Semesters 2 Credits Grades: 11-12
Prerequisites: "C" or better in Chemistry I, and concurrent enrollment in Algebra II or higher
Recommended Grades: Concurrent enrollment in Algebra II or higher

Textbook Rental: \$13.20

Fees: \$2.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3084] Physics is the study of the behavior and interactions of matter and energy in space and time. It is especially helpful for those students planning to continue their education in a university or technical school regardless of the area of study. Emphasis is placed on developing problem-solving skills, laboratory skills, and conceptual understanding. Physics I helps students to understand the fundamental concepts and principles concerning kinematics, kinetics, gravitation, circular motion, conservation of energy and momentum, rotational dynamics, statics, and fluid mechanics (optional). This course is not designed to be a stepping stone to Physics II Honors or AP Physics II. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

PHYSICS I, Pre-AP (HONORS) **0931**

2 Semesters 2 Credits Grades: 11-12

Prerequisites: "B" or better in Algebra II and Geometry, "A" in Chemistry I or "B" or better in Chemistry I Honors, and concurrent enrollment in Pre-Calculus or higher.

Textbook Rental: \$20.25

Fees: \$2.00

COURSE DESCRIPTION: [IDOE 3084] Physics is the study of the behavior and interactions of matter and energy in space and time. This honors level of Physics I is designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering (including architecture.) This course is the content equivalent of AP-C Mechanics, but does not include the calculus. Topics include kinematics, kinetics, gravitation, circular motion, conservation of energy and momentum, rotational dynamics, statics, and fluid mechanics. Students are challenged with more complex problems in each of these areas. Approximately 33% of the course time is laboratory related with a particular emphasis on error analysis and the explanation of anomalous behavior. The depth of the laboratory work frequently involves reconsideration of the experimental results over a period of weeks or months. Emphasis is placed on problem-solving, laboratory techniques, and applications of interactive software for data acquisition, processing and modeling. Enrollment in the Junior year is encouraged, so that students may elect to enroll in Physics II Honors in their Senior year. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

AP PHYSICS I – C: MECHANICS **0963**

2 Semesters 2 Credits Grades: 11-12

Prerequisites: "B" or better in Chemistry I Honors, and concurrent enrollment in Calculus I or higher

Textbook Rental: \$35.55

Fee: \$2.00

AP Exam: Determined annually by the College Board (last year's fee: \$92.00)

This course is weighted on a 5.0 scale, Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3088] Physics I AP-C Mechanics is an advanced and very rigorous first level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering. Differential and integral calculus will be used throughout the course. Prior and/or

concurrent enrollment in integral calculus is required. Highly qualified and motivated junior students seeking mathematical rigor are encouraged to enroll. It is expected that these students will also enroll in the Physics II AP-C Electricity & Magnetism course in their senior year. The physics content of this course is almost identical to that of Physics I Honors (Pre-AP). Topics include: 1 & 2-Dimensional Kinematics, Newton's Laws, Laws of Conservation of Energy & Momentum, Rotational Dynamics, Gravitation, and Oscillations. Some summer preparation in vector operations and kinematics may be required. All enrolled students are required to take the AP-C Mechanics Exam. This Physics I course utilizes guided inquiry and student-centered learning techniques to foster the development of critical thinking skills. Students will be challenged with more complex problems in all topic areas, and be given opportunities to further develop creative problem solving skills, data analysis procedures, and experimental design techniques. Hands-on laboratory investigations utilizing PC-interfaced sensors and Capstone or Data Studio and Excel software account for about 30% of total class time (about 2 days/week). For the remaining 70%, students will be engaged in 1) large group discussion-presentation-problem solving sessions, and 2) small group/individual problem solving sessions and assessments. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

PHYSICS II 0933

2 Semesters 2 Credits Grade 12

Prerequisite: Physics I, and concurrent enrollment in Pre-calculus or higher

Textbook Rental: \$20.25

Fee: \$2.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3086] Topics include oscillations (summer preparation), electrostatics, currents, DC circuits and instruments, magnetostatics, electromagnetic induction, and AC circuits, electricity & magnetism: charge and field, potential, circuits, and magnetism; light: particle model, wave model and photon model; mechanical waves and sound waves. This physics course utilizes guided inquiry and student-centered learning techniques to foster the development of critical thinking skills. Students will

be challenged with more complex problems in all topic areas, and be given opportunities to further develop creative problem solving skills, data analysis procedures, and experimental design techniques. Hands-on laboratory investigations utilizing Logger Pro, PC-interface sensors with Capstone and Google Drive for about 33% of total class time. For the remainder, students will be engaged in 1) large group discussion-presentation-problem solving sessions, and 2) small group/individual problem solving sessions and assessments. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

AP PHYSICS II – C: ELECTRICITY & MAGNETISM (Sequel to 0931 or 0963) 0947

2 Semesters 2 Credits Grade: 12

Prerequisites: “B+” or better in Physics I Honors or “B-“ or better in AP Physics I, “B+” or better in Pre-Calculus, and concurrent enrollment in Calculus I or higher.

Textbook Rental: \$35.55

Fee: \$3.00

AP Exam: Determined annually by College Board (last year's fee: \$92.00)

This course is weighted on a 5.0 scale, Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 3088] Physics is the study of the behavior and interactions of matter and energy in all known dimensions and reference frames. This course is designed to provide college-bound students, particularly pre-science and pre-engineering students, opportunities to further develop creative problem solving skills, data analysis procedures, and experimental design techniques. They will also develop skills in the application of interactive software and the use of state-of-the-art laboratory instruments and techniques. Topics include oscillations, electrostatics, current, DC circuits, magnetism, electromagnetism, and AC circuits with emphasis on preparation for the May AP-C E&M Exam rather than emphasis on laboratory investigation skills. This course is equivalent to a one semester, introductory Electricity & Magnetism college course. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

EARTH AND SPACE SCIENCE 0941**2 Semesters 2 Credits Grades: 11-12****Prerequisite:** ICP or Chemistry I or Chemistry I concurrently. **Recommended Grades:** B or better in ICP or C or better in Chemistry I**Textbook Rental:** \$18.00**Fees:** \$4.00**Additional Costs:** Lab Workbook TBD

COURSE DESCRIPTION: [IDOE 3044] Earth and Space science is a Core 40 science elective for juniors and seniors. Topics include: gems/minerals, earthquakes/plate tectonics, fossil/dinosaurs, space/astronomy, and atmospheric science/weather prediction. Students have opportunities to gain an understanding of the history of the development of the earth and space sciences, to explore the uses of knowledge of the earth and its environment in various careers, and to investigate problems related to personal needs and social issues. This class will be very helpful in choosing college elective courses such as geology, meteorology, oceanography, or astronomy. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

EARTH AND SPACE SCIENCE HONORS**0957****2 Semesters 2 Credits Grades: 11-12****Prerequisite:** Chemistry 1, Physics 1 (or by application)**Recommended Grades:** B or better in the prerequisite classes**Textbook Rental:** \$18.00**Fees:** \$4.00**Additional Costs:** Lab Workbook TBD

COURSE DESCRIPTION: [IDOE 3044] Earth and Space Science Honors is an advanced science elective for juniors and seniors. Topics include: A survey of the Geosciences, (mineralogy, petrology, hydrology, glaciology, seismology and plate tectonics), Paleontology, Astronomy (solar system to universe) and Meteorology. Student's lab activities will be used to gain an understanding of the earth and space sciences, to explore the uses of knowledge of the earth and environmental career applications. Furthermore, engineering and technical applications of remote sensing, photography and cartography will be explored using remotely controlled vehicles. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

FORENSIC SCIENCE**0951 or 0952****1 Semester 1 Credit Grades: 11-12****Prerequisites:** Completion of Biology and ICP with a "B" or better or completion of Biology with a "B" or better and concurrent enrollment in Chemistry.**Textbook Rental:** \$6.96**Fee:** \$4.00

COURSE DESCRIPTION: [IDOE 3092] Forensic science is a laboratory-based course that integrates aspects of biology, chemistry and physics to interpret physical evidence from crime scenes. In this class students will learn how physical evidence is collected and handled and perform laboratory investigations to analyze the evidence. The final project will involve collecting and analyzing evidence from a mock crime scene to solve a case. In the process, students will develop and improve their analytical and problem solving skills, which are imperative to any profession. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

ADVANCED SCIENCE SPECIAL TOPIC:**OCEANOGRAPHY****0955****2 Semesters 2 Credits Grades: 11-12****Prerequisite:** ICP with a B average or above, or Chemistry I with a C average or above & Biology I.**Fee:** \$10.00

COURSE DESCRIPTION: [IDOE 3092] Oceanography is a Core 40 science elective for juniors and seniors. Topics include: geology, geography, earthquakes/plate tectonics, oceanic weather/climate, coral reefs, history of our planet, and deep-water exploration. Students will have opportunities to gain an understanding of the history of our oceans, to research the oceanic life-forms, and research problems related to personal needs, social issues, and both human and economic decisions that affect our planet. The goal of this class is to have students recognize the powerful impact of the oceans and how they affect our daily lives. Students will become equipped with the knowledge and skills they need to make educated decisions in the future about our oceanic planet. This class will prepare students for college elective courses such as oceanography, geology, geography, marine biology and meteorology. SCUBA certification will be offered as an optional extra-curricular opportunity to interested students. (This optional SCUBA certification requires an additional fee and classroom time outside of the school day.) This course fulfills a science

requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Project Lead the Way Biomedical Science Pathway(PLTW-BMS)

College Credit/Weighted Grades Info: Courses within the PLTW-BMS Pathway are dual credit through IUPUI, IVY Tech, and other higher ed institutes. To earn college credit students must earn an average of a B or higher on their semester grades. The Capstone Course, Biomedical Innovations is weighted as a 4.5 instead of a 4.0.

PLTW PRINCIPLES OF BIOMEDICAL SCIENCES (PBS) 0909

2 Semesters 2 Credits Grades: 9-12

Prerequisite: Recommendation of guidance counselor/teacher and B+ or better in previous science course.

Fee: \$15.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5218] Principles of the Biomedical Sciences is a hands-on project based Project Lead the Way (PLTW) course. Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hyper-cholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course is designed for 9th - 12th grade students. College credit is offered through IUPUI for students that earn an EOC score of a 6 and above and a satisfactory grade in the course. The credit is accepted as a 100 level science elective. IUPUI offers letters of completion to students attending other colleges.- Currently there is no fee for credits associated with PLTW for students enrolled at IUPUI. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

PLTW HUMAN BODY SYSTEMS (HBS) 0911

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Successful completion of Principles of Biomedical Sciences

Fee: \$15.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5216] Human Body systems is a hands-on project based Project Led the Way (PLTW) course. Students examine the interactions of human body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissue on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for 10th, 11th or 12th grade students. College credit is offered through IUPUI for students that earn an EOC score of a 6 and above and a satisfactory grade in the course. The credit is accepted as a 100 level science elective. IUPUI offers letters of completion to students attending other colleges. Currently there is no fee for credits associated with PLTW for students enrolled at IUPUI. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

PLTW MEDICAL INTERVENTIONS 0961

2 Semesters 2 Credits Grades: 10-12

Prerequisites: PBS, HBS, or AP Biology

Fee: \$15.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5217] Medical Interventions is the third course in the PLTW Biomedical Sciences program. In this year long course, students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices,

and diagnostics. This course is designed for 10th - 12th grade students. College credit is offered through IUPUI for students that earn an EOC score of a 6 and above and a satisfactory grade in the course. The credit is accepted as a 100 level science elective. IUPUI offers letters of completion to students attending other colleges. Currently there is no fee for credits associated with PLTW for students enrolled at IUPUI. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

PLTW Biomedical Science **CAPSTONE COURSE**

PLTW BIOMEDICAL INNOVATION 0967

2 Semesters 2 Credits Grade: 12

Textbook Rental: None Fee: \$15.00

Prerequisites: PBS, HBS and MI

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5219] Biomedical Innovation is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office or industry. Throughout the course the students are **expected** to present their work to an adult audience that may include representatives from the local business and health care community. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

NANOTECHNOLOGY

0949 or 0950

1 Semester 1 Credit

Grades: 11-12

Prerequisites: Completion of Biology and ICP with a "B" or better or completion of Biology with a "B" or better and concurrent enrollment in Chemistry.

Fee: \$4.00

COURSE DESCRIPTION: [IDOE 3092] Nanotechnology is the fastest growing field of scientific research dealing with technology that is 1,000,000 times smaller than the diameter of the average human hair. This course will use modeling and laboratory investigations to learn how properties of materials change as they progress from the macroscale, through the microscale, to the nanoscale. As we do this, we will learn how things like biosensors, nanomagnets and computer and cell phone microchips are made. Along the way we will discuss and investigate practical applications which are currently being used and those which are being developed for use in the near future.

SCIENCE RESEARCH

0953

2 Semesters 2 Credits Grades: 11-12

Prerequisites: Recommendation from Biology or Chemistry teacher. "B" or better in Biology I, Chemistry I, and Physics I or concurrent enrollment in Physics I

Fee: \$4.00

Workbook Fee: TBD

COURSE DESCRIPTION: [IDOE 3008] This course is designed to provide students with unique opportunities for independent, in-depth study of one specific scientific problem. Students will develop research skills and a familiarity with the laboratory procedures used in research. Students will be expected to complete a science project that will be exhibited in a science fair or comparable competition and/or end-of-course project such as a research paper and poster presentation of their finding. This course counts as a science course for Core – 40, Core-40 with Academic Honors and Core 40 with Technical Honors diplomas. This course may be taken two years in a row.

AGRICULTURE

**Agribusiness Management
(9-10-11-12)
(647)**

**Animal
Science
(10-11-12)
(643)**

**Natural
Resource
Management
(10-11-12)
(649)**

**Landscape
Management
(10-11-12)
(651)**

**Horticulture
Science
(10-11-12)
(659)**

**Advanced Life Science: Animals
(11-12)
(645)**

AGRICULTURE

ANIMAL SCIENCE

0643

2 Semesters 2 Credits Grades 10-12

Prerequisite: Biology I or permission of instructor

Fee: \$5.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 5008] This year long course provides students with an overview of the field of animal science. Students will study large and small animal species. Topics to be addressed include: careers in animal science, animal science, anatomy, physiology, genetics, reproduction, nutrition, common diseases and parasites, management practices for the care and maintenance of animals, social and political issues related to the animal industry, and aquaculture. Guest speakers, field trips, practical skills laboratories, multi-media projects, and actual "hands on" experience with animals will aid in course instruction. Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "B" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the academic or technical honors diploma.

ADVANCED LIFE SCIENCES: ANIMALS

0645

2 Semesters 2 Credits Grades 11-12

Prerequisite: Biology I & Chemistry I

Fee: \$7.00

Students should not take this class concurrently with Animal Science.

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 5070] This year long Advanced Credit Examination (ACE) course allows students to investigate concepts that enable them to understand animal life and animal science as it pertains to companion animals. Students interested in careers in Veterinary Medicine, Veterinary Technology, Biotechnology, and Life Sciences will be challenged through instruction, including laboratory and fieldwork. They will recognize concepts associated with animal taxonomy, life at the cellular level, organ systems, genetics, evolution, ecology, and historical and current issues in animal agriculture. Students will have the opportunity to "test out" of Animal Science

106 at Purdue University. This end of course assessment will grant students who successfully complete the test the opportunity to earn Purdue University College Advanced credit (at minimal cost) and move directly into more advanced level science and agricultural science studies. This course fulfills a Core 40 science requirement for the General Core 40, Core 40 with Academic Honors or the Core 40 with Technical Honors high school diploma.

AGRIBUSINESS MANAGEMENT

0647

2 Semesters 2 Credits Grades 9-12

Prerequisite: None

Fee: \$5.00

This course is weighted on a 4.5 scale, Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 5002] This dual credit course presents the concepts necessary for managing agriculture-related businesses such as lawn and garden centers, landscape nurseries, lawn care services, greenhouses, animal supply stores, pet care shops, farm supply stores, produce markets, livestock production, machinery repairs and environmental consulting firms. Concepts covered include: identification of careers; safety management; entrepreneurship; the planning, organizing, controlling and directing of an agribusiness; effects of government organizations; economic principles; credit; record keeping; budgeting; fundamentals of cash flow; the tax system; insurance; marketing; cooperatives; purchasing; technology; human resources; management; business relations and responsibilities. Guest speakers, field trips, laboratories, and business simulation projects will aid in course instruction.

Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "B" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the academic or technical honors diploma.

NATURAL RESOURCES 0649**2 Semesters 2 Credits Grades 10-12****Prerequisite: None****Fee: \$5.00*****This course is weighted on a 4.5 scale.***

COURSE DESCRIPTION: [IDOE 5180] This dual credit course provides students with a background in natural resource management. Students are introduced to career opportunities in natural resource management and related industries, the history of the forest industry and forest policy, the importance and uses of forest plants, factors which influence the development of forests, forest improvement and management, proper care and use of forest tools, effects of management practices on the environment, soil conservation practices, water and its importance, hazardous waste management, native wildlife, waterfowl and fish management, surveying and map use, management of recreational areas, outdoor safety, weather, and energy resources. Guest speakers, field trips, practical skills laboratories, and natural resource improvement projects will aid in course instruction. Students will be involved with the Water Watchers of Indiana, River Watch Project and the Environmental and Natural Resources Management Career Development Competition. Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "B" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the academic or technical honors diploma.

HORTICULTURE SCIENCE 0659**2 Semesters 2 Credits Grades: 10-11-12****Fee: \$5.00**

COURSE DESCRIPTION: [IDOE 5132] This course provides students with an overview of the field of horticulture science. It addresses the biology and technology involved in the production, processing, and marketing of horticulture plants (such as flowers, houseplants, landscape plants, fruits, nuts and vegetables) and their products. Topics covered include: reproduction and propagation of plants, plant growth, growth

media, greenhouse management, marketing, concepts, production of herbaceous, woody and nursery stock plants, fruit, nut and vegetable production and pest management. Students will be involved in the management and operation of the Penn High School greenhouse. Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "B" or higher will earn free college credit from

Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the Academic or Technical honors diploma.

LANDSCAPE MANAGEMENT 0651**2 Semesters 2 credits Grades: 10-11-12****Fee: \$5.00*****This course is weighted on a 4.5 scale,******Quantitative Reasoning Course***

COURSE DESCRIPTION: [IDOE 5136] Landscape Management is a year-long course that provides the student with an overview of the field of landscape management. Students are introduced to the procedures used in the planning and design of landscapes, the principles and procedures involved with landscaping construction, the determination of maintenance schedules, communications, and management skills necessary in landscaping operations and the care and use of equipment utilized by landscapers. Students will design and be involved in the installation of the Penn High School Building Trades house landscape. Students will also be involved with the operation and management of the Penn High School greenhouse. Junior and senior students will have the opportunity to earn Accredited Horticulturist Certification from the Indiana Nursery and Landscape Association and Landscape Industry Certified Technical Certification from the Professional Landscape Network (PLANET). Students completing the course with a grade of "B" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the Academic or Technical honors diploma.

TECHNOLOGY

Pathway	9th Grade	10th Grade	11th Grade	12th Grade
Engineering Pathway Project Lead the Way PLTW 	Introduction to Engineering Design (605* & 606*)	Principles of Engineering (607*)	Civil Engineering and Architecture (655*) OR Digital Electronics (613*) OR Aerospace Engineering (653) OR	Engineering Design & Development (608) OR 2nd Course from 11th Grade
Robotics Pathway 	FIRST Tech Challenge– IED (602* & 614*-0 hour)	FIRST Tech Challenge– POE (612* & 616*-0 hour)	Automation and Robotics 1 (609*) AND Penn FIRST Robotics Internship 1 (677")	Automation and Robotics 2 (610*) AND Penn FIRST Robotics Internship 2 (678")
Architecture Pathway	Architectural Design 1 (604*)	Architectural Design 2 (656*)	Non PLTW Civil Engineering and Architecture (000*)	Engineering Design & Development (608)
Technology Pathway	Design Processes (601)	Computers in Design & Production (603*)	Choose courses from other pathways	Choose courses from other pathways
Computer Technology Pathway	Computer Tech Support (615*)		Computer Support Internship (1852)	Computer Support Internship (1852)
Construction Pathway	Introduction to Construction (629*)	Construction Trades (631*)	Vocational Building Trades 1 (633*)	Vocational Building Trades 2 (635*)
Manufacturing Pathway	Precision Machining 1 (625*)	Precision Machining 2 (627*)	Welding Technology 1 (620*)	Welding Technology 2 (2 block course) (000*)
* = Dual Credit & Weighted Course " = Weighted Course Only				

ENGINEERING & TECH

ENGINEERING PATHWAY:

Project Lead the Way (PLTW)

PLTW (Project Lead the Way) helps students develop the skills needed to succeed in our global economy. PLTW courses are aligned with State Standards for Math and English Language Arts, Next Generation Science Standards, and other national and state standards. Courses and units are designed to complement math and science courses. Courses can meet requirements for the Core 40 Academic Honors Diploma and Technical Honors Diploma.

PLTW INTRODUCTION TO ENGINEERING DESIGN (IED) 0605

2 Semesters 2 Credits Grades: 9-12
Prerequisite: Completion of Algebra I or taking
Geometry concurrently
Fee: \$30.00

This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4812] (IED)
Introduction to Engineering and Design is an introductory course, which develops student problem solving skills with emphasis on the development of three-dimensional (3-D) solid models. Students will work both individually and in teams to design solutions to a variety of problems using 3D modeling software. Students use the design process, applying math, science, and engineering standards to hands-on projects. Models of product solutions are created, analyzed and communicated using Autodesk Inventor. This course also works in a variety of project based learning activities such as The Whirlpool Innovation Challenge, Canstruction, and The Hand of Grace.

PLTW INTRODUCTION TO ENGINEERING DESIGN (IED)

All Girls 0606
2 Semesters 2 Credits Grades: 9-12
Prerequisite: Completion of Algebra I or taking
Geometry concurrently
Fee: \$30.00
This course is weighted on a 4.5 scale.

COURSE DESCRIPTION: [IDOE 4812] (IED)

Introduction to Engineering and Design is an introductory course, which develops student problem solving skills with emphasis on the development of three-dimensional (3-D) solid models. Students will work both individually and in teams to design solutions to a variety of problems using 3D modeling software. Students use the design process, applying math, science, and engineering standards to hands-on projects. Models of product solutions are created, analyzed and communicated using Autodesk Inventor. This course also works in a variety of project based learning activities such as The Whirlpool Innovation Challenge, Canstruction, and The Hand of Grace.

PLTW PRINCIPLES OF ENGINEERING (POE) 0607

2 Semesters 2 Credits Grades: 10-12
Prerequisite: Introduction to Engineering
Design
Fee: \$20.00

This course is weighted on a 4.5 scale,
Quantitative Reasoning Course.

COURSE DESCRIPTION: [IDOE 4814] Principles of Engineering (POE) is a course that focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, electrical and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and projection systems in developing and presenting solutions to engineering problems.

PLTW AEROSPACE ENGINEERING* (AE) 0653

2 Semesters 2 Credits Grades: 10-12
Prerequisite: IED or POE or completion of Alg. I
Fee: \$36.00

Quantitative Reasoning Course.

COURSE DESCRIPTION: [IDOE 4816] Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion systems, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot. *Not a dual credit course*

PLTW CIVIL ENGINEERING AND ARCHITECTURE (CEA) 0655**2 Semesters 2 Credits Grades: 10-12****Prerequisite: IED or POE****Fee: \$20.00*****This course is weighted on a 4.5 scale, Quantitative Reasoning Course.***

COURSE DESCRIPTION: [IDOE 4820] Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs (Revit) will allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis will be placed on related transportation, water resource, and environmental issues. Activities will include the preparation of cost estimates, structure design, surveying, model building, as well as a review of regulatory procedures that would affect the project design.

PLTW DIGITAL ELECTRONICS (DE) 0613**2 Semesters 2 Credits Grades: 10-12****Prerequisite: IED or POE or taking Algebra II****Recommended: Introduction to Engineering Design****Fee: \$20.00*****This course is weighted on a 4.5 scale,******Quantitative Reasoning Course.***

COURSE DESCRIPTION: [IDOE 4826] Digital Electronics is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches, calculators, digital cameras, and thousands of other devices. Instruction includes the application of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer software that reflects current industry standards, activities will provide opportunities for students to design, construct, test, and analyze simple and complex digital circuitry. Software will be used to develop and evaluate the product design. This course engages students in critical thinking and problem-solving skills, time management and teamwork skills.

PLTW ENGINEERING DESIGN & DEVELOPMENT (EDD) 0608**2 Semesters 2 Credits Grades: 12****Prerequisite: Two PLTW courses or permission from instructor****Textbook Rental: None Fee: \$20.00****Quantitative Reasoning Course****COURSE DESCRIPTION: [IDOE 4828]**

Engineering Design and Development is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problems. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous pre-engineering courses. This course also engages students in critical thinking and problem-solving skills, time management and teamwork skills, a valuable set for students' future careers.

ROBOTICS PATHWAY:**FIRST TECH CHALLENGE IED – FTC9****0602 (0614 – 0 Hour)****2 Semesters 2 Credits Grade: 9**

Fee: \$40.00

COURSE DESCRIPTION: [IDOE 4802] Students can choose to take this course as a 0 hour class or a normal class. 0 hour class will meet outside the school day. FTC is designed for students to work together solving an engineering problem. Teams of students are responsible for designing, building, and programming their competition robots. Competitions are held throughout Indiana and the nation. Students will learn and use the design process to guide their work in class. Families will be expected to attend informational meetings in the evenings. Many skills and processes are learned in FTC to build the individual towards an effective team member for the Robotics Classes (FRC 11th and 12th grade years). Students get to:

- Design, build, and program robots
- Apply real-world math and science concepts
- Develop strategic problem solving, organizational, and team building skills
- Compete and cooperate in Alliances at tournaments
- Earn a place in the World Championships
- Qualify for scholarships at over 100 colleges/universities

***There will be evening and weekend commitments to participating in this class. Students will ride a school bus and stay overnight at certain competitions.**

FIRST TECH CHALLENGE POE – FTC10

0612 (0616 – 0 Hour)

2 Semesters 2 Credits Grade: 10

Fee: \$40.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 5644] Students can choose to take this course as a 0 hour class or a normal class. 0 hour class will meet outside the school day. FTC is designed for students to work together solving an engineering problem. Teams of students are responsible for designing, building, and programming their competition robots. Competitions are held throughout Indiana and the nation. Students will learn and use the design process to guide their work in class. Families will be expected to attend informational meetings in the evenings. Many skills and processes are learned in FTC to build the individual towards an effective team member for the Robotics Classes (FRC 11th and 12th grade years). Students get to:

- Design, build, and program robots

- Apply real-world math and science concepts
- Develop strategic problem solving, organizational, and team building skills
- Compete and cooperate in Alliances at tournaments
- Earn a place in the World Championships
- Qualify for scholarships at over 100 colleges/universities

***There will be evening and weekend commitments to participating in this class. Students will ride a school bus and stay overnight at certain competitions.**

AUTOMATION & ROBOTICS I 0609
(1st Year)

AUTOMATION & ROBOTICS II 0610
(2nd Year)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Application required

Fee: \$46.00

Quantitative Reasoning Course (0610 only).

COURSE DESCRIPTION: [IDOE 5610/5612] This course is designed to give students an experience in the Design Process as it relates to building a competition robot. Since 1998 this class has participated in the FIRST (for inspiration and recognition of Science and Technology) Competition. Students will dedicate the entire year learning the necessary skills and processes needed to contribute to building Penn High School's FRC Robot, "The Black Knight!" Experiences such as 3D Modeling, 3D Printing, Machining, Welding, Wiring, Programming, Assembling, Controlling, and Driving are all topics of study. Students that successfully complete both classes *Automation & Robotics* and *Penn FIRST Robotics Internship* will receive a weighted grade.

***Students should plan to take both Automation & Robotics as well as Penn FIRST Robotics Internship.**

PENN FIRST ROBOTICS INTERNSHIP 0677
(1st year)

PENN FIRST ROBOTICS INTERNSHIP 0678
(2nd year)

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Application required

Fee: \$32.00

This course is weighted on a 4.5 scale if taken with Automation & Robotics.

COURSE DESCRIPTION: [IDOE 5892] This course is offered as a 0 hour class. Students will

report to class outside of the school day. Classes will meet at 7:30am on Gold Days and 3:30pm to 5:30 pm one day per week. This class is offered in conjunction with the Automation & Robotics I & II classes. Robotics Internship students participate in Penn's school-based enterprise "*The Black Knight*" FRC Robot in all facets of operations, including marketing, fundraising, and community outreach. Students that successfully complete both classes *Automation & Robotics* and *Penn FIRST Robotics Internship* will receive a weighted grade.

***Students should plan to take both Automation & Robotics as well as Penn FIRST Robotics Internship.**

ARCHITECTURE PATHWAY:

ARCHITECTURAL DESIGN I 0604

2 Semesters 2 Credits Grades 9-12

Prerequisite: None

Fee: \$20.00

COURSE DESCRIPTION: [IDOE 5640]

Architectural Drafting and Design I gives students a basic understanding of the detailing skills commonly used by architectural technicians. Areas of study include: sketching, proper use of equipment, geometric constructions, and general residential design. This course includes the creation and interpretation of construction documents. Methods of geometric construction, three-dimensional drawing techniques, and sketching will be presented as well as elementary aspects of residential design and site work. Areas of emphasis will include print reading and drawing. This course also provides students with a basic understanding of the features and considerations associated with the operation of a computer-aided design (CAD) system. They will be expected to complete several projects relating to command topics. Topics include: 2D drawing commands, coordinate systems, editing commands, paper and model space, inquiry commands, layers, plotting, text, and basic dimensioning.

ARCHITECTURAL DESIGN II 0656

2 Semesters 2 Credits Grades 10-12

Prerequisites: Architectural Design I

Fee: \$20.00

Quantitative Reasoning Course.

COURSE DESCRIPTION: [IDOE 5652]

Architectural Design II builds on the concepts of Architectural Design I and presents a history and survey of architecture with a focus on the creative

design of buildings in a studio environment. This course covers site analysis, facilities programming, space planning, conceptual design, and the proper use of materials. Students will develop presentation drawings, give oral presentations, and critique works. Generation of form and space is addressed through basic architectural theory, related architectural styles, design strategies, and a visual representation of the student's design process. This course will focus on advanced Computer Aided Design (CAD) techniques. It includes an overview of modeling, graphical manipulation, part structuring, and modeling strategies. Various Architectural software packages and applications will be used.

NON PLTW CIVIL ENGINEERING AND ARCHITECTURE 0654

2 Semesters 2 Credits Grades 11-12

Prerequisites: Architectural Design 2

Fee: \$20.00

Quantitative Reasoning Course.

COURSE DESCRIPTION: [IDOE 5650]

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

TECHNOLOGY PATHWAY:

INTRO TO DESIGN PROCESSES 0601

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Textbook Rental: None Fee: \$20.00

COURSE DESCRIPTION: [IDOE 4794]

Introduction to Design Processes is a course that specializes in modern design and engineering processes with a focus on creative problem solving in developing, testing, communicating, and presenting post-evaluation of products. Students use the design process to analyze research,

develop ideas, and produce products solutions. This process gives a framework through which they design, manufacture, test and present their ideas. Students will demonstrate and utilize design principles and elements for visual presentations. Designing aspects will also cover aesthetics, ergonomics, the environment, safety, and production. The design process is a core-learning tool for many courses enabling the student to solve problems in a systematic, logical and creative manner. Students develop a good understanding of the way the process helps them think creatively and developing aesthetic ideas. The design process encourages the students to engage in higher level thinking to create solutions for many types of problems.

COMPUTERS IN DESIGN & PRODUCTION **0603**

2 Semesters 2 Credits Grades: 10-12
Prerequisite: Introduction to Design Processes
Textbook Rental: None Fee: \$20.00

COURSE DESCRIPTION: [IDOE 4800] Computers in Design and Production is a course that specializes in using modern technological processes, computers, design, and production systems in the production of products and structures through the use of automated production systems. Emphasis is placed on using modern technologies and on developing career related skills. Students apply ingenuity using tools, materials, processes, and resources to create solutions. Students will address major technological content related to topics such as: Architectural drawing and print design, design documentation using CAD systems, assignments involving the interface of CAD, CNC, CAM and CIM technologies; computer simulation of products and systems; publishing of various media; animation and related multimedia applications; 3-D modeling of products or structures; digital creation and editing of graphic and audio files; control technologies; and automation in the modern workplace.

COMPUTER TECH SUPPORT **0615**

2 Semesters 2 Credits Grades: 9-12
Textbook Rental: None Fee: \$15.00
COURSE DESCRIPTION: [IDOE 5230] Computer Tech Support - A course that focuses on hands-on applications of computer and network fundamentals. Students will work toward CompTIA A+ Certification through lectures, assignments, and hands-on labs. Topics covered include: Basic PC Hardware, System Boards, I/O Systems, Mass

Storage Systems, Data Communications, Printers, Portable Systems, Operating System Fundamentals, Windows XP, Windows 7, Windows 8, Windows 10, Basic Hardware and Software Troubleshooting, and Preventive Maintenance. Students will perform hardware, software, and network installations; operating system, software, and memory upgrades; system and network configuration; and computer troubleshooting and repairs. A major emphasis will be placed on developing employable skills such as; communication, time management, accountability, and ethics. Students are counseled and encouraged to become A+ Certified and to seek employment or post high school training in areas related to computers and/or computer repair. Students may use this course to meet one of the requirements for the Academic Honors Diploma if they fulfill the following: *Students completing the course with a grade of "B" or higher and completing the requirements for A+ certification will earn free college credit from Ivy Tech Community College.* Any student earning dual credit may apply those credits to the academic honors diploma. This course also qualifies for the Technical Honors Diploma.

MANUFACTURING PATHWAY:

PRECISION MACHINING I **0625**

2 Semesters 2 Credits Grades: 9-12
Prerequisite: None
Textbook Rental: None Fee: \$25.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 5782] Precision Machining I is designed to provide students with a basic understanding of the precision machining processes used in industry, manufacturing, maintenance, and repair. The course instructs students in industrial safety, terminology, tools and machine tools, measurement and layout. Students will become familiar with the setup and operation of power saws, drill presses, lathes, milling machines, grinders, welding and an introduction to CNC (computer controlled) machines.

PRECISION MACHINING II **0627**

2 Semesters 2 Credits Grades: 10-12
Prerequisite: Precision Machining I
Textbook Rental: None
Fee: \$25.00

Quantitative Reasoning Course

COURSE DESCRIPTION: [IDOE 5784] Precision Machining II is a more in-depth study of skills learned in Precision Machining I, with a stronger focus in CDN setup/operation/programming. Classroom activities will concentrate on precision set-up and inspection work as well as machine shop calculations. Students will develop skills in advanced machining and measuring parts.

WELDING TECHNOLOGY I 0620

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Precision Machining I

Textbook Rental: None Fee: \$25.00

COURSE DESCRIPTION: [IDOE 5776] Welding Technology I includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and Shielded Metal Arc welding. This course is designed for individuals who intend to make a career as a Welder, Technician, Sales, Designer, Researcher or Engineer. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for college and career success. This course qualifies for the General, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

WELDING TECHNOLOGY 2

(Double Block) 0622

2 Semesters 4 Credits Grades: 11-12

Prerequisite: Welding Technology 1

Textbook Rental: None Fee: \$25.00

COURSE DESCRIPTION: [IDOE 5778] Welding Technology II is a 2 block class. It includes classroom and laboratory experiences that develop a variety of skills in Gas Metal Arc welding, Flux Cored Arc Welding, Gas Tungsten Arc welding, Plasma Cutting and Carbon Arc Cutting. This course is designed for individuals who intend to pursue careers as Welders, Technicians, Sales Reps, Designers, Researchers or Engineers. Emphasis is placed on safety at all times. OSHA standards and guide-lines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach

students how to weld and be prepared for college and career success.

CONSTRUCTION PATHWAY:

INTRODUCTION TO CONSTRUCTION 0629

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Textbook Rental: None Fee: \$30.00

Additional: *There may be additional costs for elective projects.

COURSE DESCRIPTION: [IDOE 4792] Introduction to Construction is an entry-level course that emphasizes the use of tools, materials, and techniques used in the construction industry. Students will learn how to safely operate various hand and power tools. Joinery and assembly methods will also be studied. Students will use these methods to produce a wide variety of projects.

CONSTRUCTION TRADES 0631

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Introduction to Construction or Introduction to Engineering Design or Introduction to Design Processes

Textbook Rental: None Fee: \$40.00

Additional: *There may be additional costs for elective projects.

COURSE DESCRIPTION: [IDOE 5580] Construction Trades I is a specialized course that builds on the fundamentals acquired in the Introduction to Construction class to further understand the technological processes used in the building trades industry. Students will learn common processing and assembly methods and employ those techniques to create a wide variety of projects.

VOCATIONAL BUILDING TRADES I 0633

2 Semesters 6 Credits Grades: 11-12

Students will spend 1st and 2nd periods every day at the Building Trades site.

Prerequisite: Application required

Textbook: None Fee: None

Additional: Students will need a basic set of tools. Students are responsible for their own transportation to the construction site and back to school after class.

Quantitative Reasoning Course.

COURSE DESCRIPTION: [IDOE 5578] This course is designed to give students practical experiences in the different phases of house

construction through the building of a house on a site near the school. Students will gain some knowledge and experience in house wiring, plumbing, heating, concrete and masonry work, painting, drywall application, landscaping, and carpentry. After successful completion of this course, students should be prepared to enter some phase of the building trades. This class will help with future projects in your home!

VOCATIONAL BUILDING TRADES II 0635

2 Semesters 6 Credits Grade: 12

Students will spend 1st and 2nd periods every day at the Building Trades site.

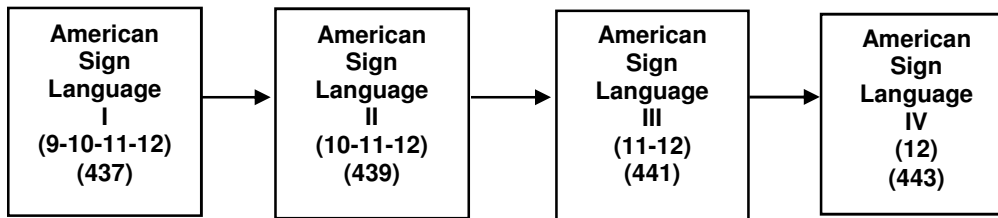
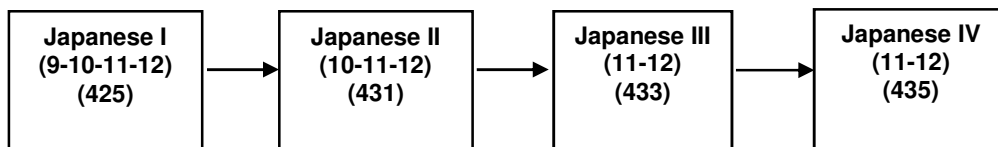
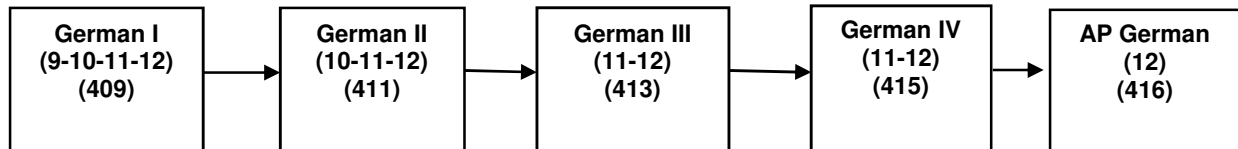
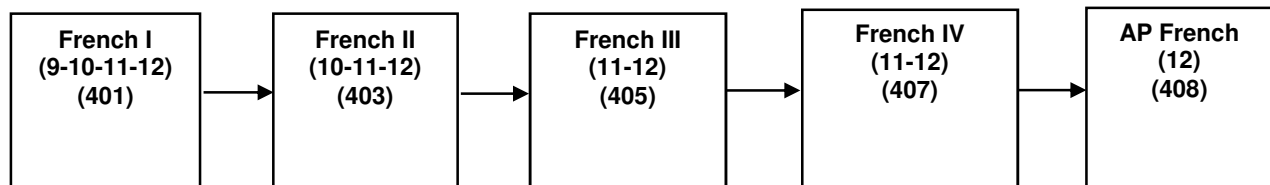
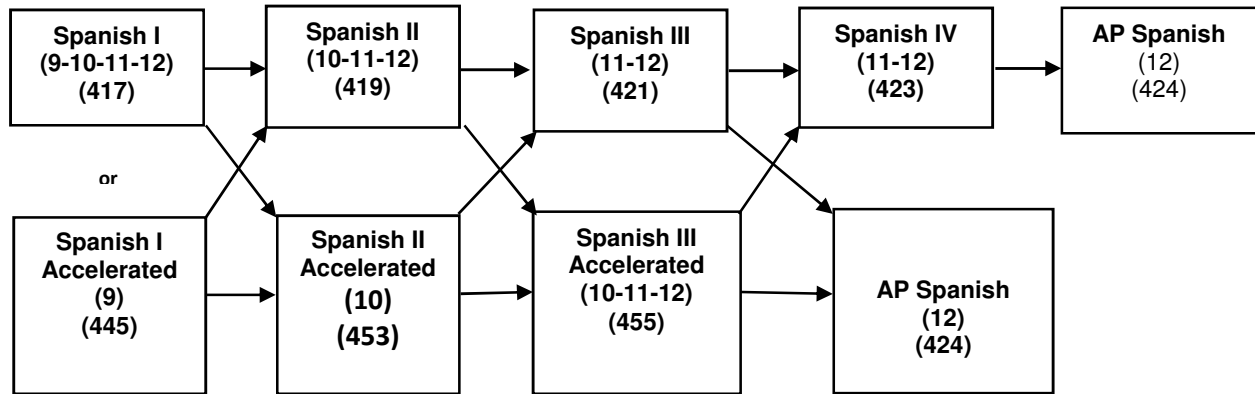
Prerequisite: Vocational Building Trades I and application required

Fee: None

Additional: Students will need a basic set of tools. Students are responsible for their own transportation to the construction site and back to school after class.

COURSE DESCRIPTION: [IDOE 5496] Students will have the same opportunities that they had in Vocational Building Trades I. Students will be able to specialize in a specific area of house construction, with an emphasis on the installation, operation, and maintenance of HVAC systems. After successful completion of the course, students will be prepared to enter some phase of the building trades.

WORLD LANGUAGES



Electives:

(Not for World Language credit)

Spanish for Spanish Speakers
(9-12)
(418)

Sign Language Support Internship
(482)
(11-12)

GAPP
475
10-11

Accelerated Chinese
(9-12 Heritage)
(451)

WORLD LANGUAGES

With the exception of Spanish for Spanish Speakers, all World Language courses qualify for CORE 40 and Academic Honors Diploma. Students may qualify for Core 40 without world language; however, many colleges require 2 years of World Language for admission. Please check with individual colleges for admissions requirements.

For students to receive Academic Honors, students must take the class in a traditional classroom setting and not through any online program.

AP classes will be weighted on a 5.0 grading scale.

WORLD LANGUAGE PLACEMENT CRITERIA

- *All world language courses beyond Level I require that students complete both prior prerequisite semesters of the language with a grade of C or higher. It is the department's expectation that in order for students to advance to the next level, they must have a grade of C or better.*
- *Any student placed in the next level of a world language who has less than the prerequisites must have a waiver signed by the parent/guardian.*
- *In the case of transfer students, the counselor will place that student where most appropriate, according to the results of a teacher administered placement test and the student's transcript, with the understanding that the classroom teacher will finalize that placement within four class periods after placement is made.*

FRENCH I **0401**
2 Semesters 2 Credits Grades: 9-12
Prerequisite: None
Textbook Rental: \$25.66
Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2020] Level I French provides instruction enabling students to discuss the many reasons for learning languages and to develop an understanding of the people who speak them. Students are able to apply effective strategies for language learning and show a willingness to experience various aspects of the cultures. Within this context, the course provides students with opportunities to:

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

Additionally, students learn:

- about nonverbal communication, such as gestures and body language
- about awareness of current events in the cultures
- the major holidays and geographical features of the countries being studied
- greeting and leave taking behaviors in a variety of social situations
- the appropriate way to respond to introductions and use courtesy behaviors and
- appropriate etiquette in a variety of social settings

FRENCH II **0403**
2 Semesters 2 Credits Grades: 10-12
Prerequisite: Completion of French I - both semesters with a grade of C or higher.
Textbook Rental: \$25.66
Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2022] Level II French enables students to participate in classroom and extracurricular activities related to the language studied as well as to participate in conversations dealing with daily activities and personal interests. Students will be able to:

- ask questions regarding routine activities
- participate in conversations on a variety of topics
- relate a simple narrative about a personal experience or event
- interact in a variety of situations to meet personal needs, such as asking permission, asking for or responding to an offer of help, and expressing preferences pertaining to everyday life
- understand main ideas and facts from simple texts over familiar topics
- read aloud with appropriate intonation and pronunciation and
- write briefly in response to given situations, for example postcards, personal notes, phone messages, and directions, as well as write letters using culturally appropriate format and style

Additionally, students become:

- familiar with major geographical features, historical events, and political structures of the countries being studied
- familiar with different aspects of the culture, including the visual arts, architecture, literature and music, using the foreign language where appropriate
- able to extend and respond to hospitality as a host or guest and
- aware of time expectations, such as arriving for appointments and social engagements

FRENCH III **0405**

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of French I & II - all semesters with a grade of C or higher.

Workbook Purchase: TBD

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2024] Level III French provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the languages being learned. Students must be willing to initiate and participate in discussions concerning these cultures. In addition, students will be able to:

- respond to factual and interpretive questions and interact in a variety of social situations, such as expressing regrets, condolences, and complaints, and using more than rote memory formula phrases
- read for comprehension from a variety of authentic materials, such as advertisements in newspapers and magazines, and cartoons and personal correspondence
- read short literary selections of poetry, plays, and short stories
- complete authentic forms and documents and take notes that require familiar vocabulary and structures
- write paraphrases, summaries, and brief compositions
- describe different aspects of the culture, using the foreign language where appropriate, including: (1) major historical events, (2) political structures, (3) value systems, (4) visual arts, (5) architecture, (6) literature, and (7) music and
- seek help in a crisis situation and participate appropriately at special family occasions, such as birthdays, weddings, funerals, and anniversaries

FRENCH IV

0407

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of French III - all semesters with a grade of C or higher.

Supplemental Fee: \$10.00

Paperback Purchase: \$20.00

Possible field trips: Trip to Chicago to visit the Art Institute of Chicago and the French Market

COURSE DESCRIPTION: [IDOE 2026] Level IV French enables students to participate in classroom and extra-curricular activities related to the language studied, such as presentations to the student body and to parent groups and taking leadership roles in language clubs. Students must be willing to participate in conversations with native and advanced non-native speakers, either in their community or in the school. This course also enables students to:

- respond to factual and interpretive questions, interact in complex social situations, and express opinions and make judgments
- give presentations on cultural topics including: (1) traditions, (2) historical and contemporary events, and (3) major historical and artistic figures
- paraphrase or restate what someone else has said

- read for comprehension from a variety of longer authentic materials, such as newspapers and magazine articles, novels, and essays, as well as make judgments about what is read
- write well organized compositions on a given topic and
- begin using the language creatively in writing simple poetry and prose

Students are also:

- aware of the relationship between various art forms in at least one major historical period
- aware of the major literary, musical, and artistic periods and genres of at least one of the cultures in which the language is spoken
- able to adjust speech appropriate to the situation and audience and
- able to participate appropriately in a variety of specific circumstances which could include public meetings, attending concerts, and using public transportation

AP FRENCH

0408

2 Semesters 2 Credits Grade: 12

Prerequisite: Completion of French I, II, & III - all semesters with a grade of C or higher.

Supplemental Fee: \$10.00

Paperback Purchase: \$11.00

Additional Cost: AP Exam TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 2032] Advanced Placement French enables students to participate in activities beyond the classroom that could include concerts, theatre performances, and community activities. Students are willing to participate in conversations with native speakers in the community and promote among their peers, and others, the benefits of foreign language study and the study of the cultures in which the language is spoken. In addition, students are able to:

- initiate and participate in conversations on current or past events that are of significance in the foreign culture
- develop and propose solutions to issues and problems that are of concern to members of their own culture and the foreign culture being studied
- demonstrate an understanding of the principal elements of nonfiction, articles in newspapers, magazines, and e-mail on topics of current and historical importance to members of the culture.

- analyze the main plot, subplot, characters and their descriptions, roles, and significance in authentic literary texts
- create stories and poems, short plays, and skits based on personal experiences and exposure to themes, ideas, and perspectives from the foreign cultures and
- summarize the content of an article intended for native speakers in order to discuss the topics in writing for speakers of the language

Additionally, students:

- gain a general knowledge of the major literary and artistic movements within the cultures where the foreign language is spoken,
- become aware of the relationships, in these periods among the various art forms and
- demonstrate near native behaviors, using the appropriate verbal and nonverbal cues in a variety of cultural contexts, that reflect both peer group and adult activities within the cultures studied.

Preparation for the AP exam will take place throughout the year. This course follows Advanced Placement guidelines as outlined by the College Board. In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course.

GERMAN I

0409

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

vText +Supersite access: \$34.40

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2040] Level I German provides instruction enabling students to discuss the many reasons for learning languages and to develop an understanding of the people who speak them. Students are able to apply effective strategies for language learning and show a willingness to experience various aspects of the cultures. Within this context, the course provides students with opportunities to:

- respond to and give oral directions and commands and to make routine requests in the classroom and in public places
- understand and use appropriate forms of address in courtesy expressions and be able to tell about daily routines and events
- ask and answer simple questions and participate in brief guided conversations related to their needs and interests

- read isolated words and phrases in a situational context, such as menus, signs, and schedules
- comprehend brief written directions and information
- read short narrative texts on simple topics and
- write familiar words and phrases in appropriate contexts and respond in writing to various stimuli

Additionally, students learn:

- about nonverbal communication, such as gestures and body language
- about awareness of current events in the cultures
- the major holidays and geographical features of the countries being studied
- greeting and leave taking behaviors in a variety of social situations
- the appropriate way to respond to introductions and use courtesy behaviors and
- appropriate etiquette in a variety of social settings

GERMAN II

0411

2 Semesters 2 Credits Grades: 10-12
Prerequisite: Completion of German I - both semesters with a grade of C or better.

vText +Supersite access: \$34.40

Supplemental Fee: \$10.00

Paperbacks: \$14.00

COURSE DESCRIPTION: [IDOE 2042] Level II German enables students to participate in classroom and extracurricular activities related to the language studied as well as to participate in conversations dealing with daily activities and personal interests. Students will be able to:

- ask questions regarding routine activities
- participate in conversations on a variety of topics
- relate a simple narrative about a personal experience or event – orally or written
- interact in a variety of situations to meet personal needs
- understand main ideas and facts from simple texts over familiar topics
- read aloud with appropriate intonation and pronunciation, and give short formal presentations
- write briefly in response to given situations, for example write letters using culturally appropriate format and style.

Additionally, students become:

- familiar with different aspects of the culture

GERMAN III

0413

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of German I & II - all semesters with a grade of C or better.

Paperback Purchase: \$36.50

Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2044] Level III German provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the languages being learned. Students must be willing to initiate and participate in discussions concerning these cultures. In addition, students will be able to:

- respond to factual and interpretive questions and interact in a variety of social situations
- read for comprehension from a variety of authentic materials
- and short literary selections which include fairy tales, short stories and books of appropriate length for third year students.

GERMAN IV

0415

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of German I, II & III - all semesters with a grade of C or a teacher's recommendation in regular Spanish II.

Paperback Purchase: \$56.50

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2046] Level IV German students will learn 20th Century German history and advanced grammar topics; students will read authentic works from the 19th & 20th Centuries, including poetry, short stories and plays; students will write lengthy essays and creative pieces. The German IV class is conducted in German and students will speak German.

AP GERMAN

0416

2 Semesters 2 Credits Grade: 12

Prerequisite: Completion of German I, II, & III - all semesters with a grade of C or higher.

Textbook: TBA

Fee: \$10.00

Workbook & Paperback Purchase: TBD

Additional Cost: AP Exam TBD by

College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 2052] Advanced Placement German enables students to participate in activities beyond the classroom that could include concerts, theatre performances, and community activities. Students are willing to participate in conversations with native speakers in

the community and promote among their peers, and others, the benefits of foreign language study and the study of the cultures in which the language is spoken. In addition, students will be able to:

- initiate and participate in conversations on current or past events that are of significance in the foreign culture
- develop and propose solutions to issues and problems that are of concern to members of their own culture and the foreign culture being studied
- demonstrate an understanding of the principal elements of nonfiction, articles in newspapers, magazines, and e-mail on topics of current and historical importance to members of the culture
- analyze the main plot, subplot, characters and their descriptions, roles, and significance in authentic literary texts
- create stories and poems, short plays, and skits based on personal experiences and exposure to themes, ideas, and perspectives from the foreign cultures and
- summarize the content of an article intended for native speakers in order to discuss the topics in writing for speakers of the language

Additionally, students:

- gain a general knowledge of the major literary and artistic movements within the cultures where the foreign language is spoken
- become aware of the relationships, in these periods among the various art forms, and
- demonstrate near native behaviors, using the appropriate verbal and nonverbal cues in a variety of cultural contexts, that reflect both peer group and adult activities within the cultures studied

This course follows Advanced Placement guidelines as outlined by the College Board. In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course. School will assume costs on an as needed basis. The course focuses on the preparation for the AP German Exam.

GERMAN AMERICAN PARTNERSHIP PROGRAM (GAPP) 0475

Summer Study Abroad (Humanities)

3+ weeks to be determined approximately one year before travel

Summer program 1 credit

Recommended Grade level: 10 or 11 (will accept students going into grade 12 conditionally.)

Prerequisites: Completion of German I and II- both years with a grade of C or better.

Course enrollment limit: 18 students

Course Time Frame: 3+ weeks to be determined approximately one year before travel.

Supplemental fee: \$0.00

Counts as an Elective for all diplomas

COURSE DESCRIPTION: [IDOE 0514] A course in humanities provides for the study of content drawn from history, philosophy, literature, languages, and the arts. The Penn **GAPProgram** includes an in-depth study of the German Language, Culture and History. Broad emphasis will be placed on the National Standards for Foreign Language Learning. The students will live with host families, attend school and travel. It is through these activities and experiences that students will gain an understanding of the target language; develop insight into the nature of the culture and communicate in a language other than English. Pre-trip preparations and course work will help the students develop an understanding of the German language, its culture and its rich history and how to actually apply it to the human environment.

JAPANESE I

0425

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Textbook Rental: \$18.19

Fee: \$10.00

Workbook Purchase: 29.99

COURSE DESCRIPTION: [IDOE 2060] Level I Japanese provides instruction enabling students to discuss the many reasons for learning languages and to develop an understanding of the people who speak them. Students are able to apply effective strategies for language learning and show a willingness to experience various aspects of the cultures. Within this context, the course provides students with opportunities to:

- respond to and give oral directions and commands and to make routine requests in the classroom and in public places
- understand and use appropriate forms of address in courtesy expressions and be able to tell about daily routines and events
- ask and answer simple questions and participate in brief guided conversations related to their needs and interests
- read isolated words and phrases in a situational context

- comprehend brief written directions and information
- read short narrative texts on simple topics and
- write familiar words and phrases in appropriate contexts and respond in writing to various stimuli

Additionally, students learn:

- about nonverbal communication, such as gestures and body language
- about awareness of current events in the cultures
- the major holidays and geographical features of the country being studied
- greeting and leave taking behaviors in a variety of social situations
- the appropriate way to respond to introductions and use courtesy behaviors and
- appropriate etiquette in a variety of social settings

JAPANESE II **0431**

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Completion of Japanese I - both semesters with a grade of C or better.

Textbook Rental: \$20.79

Fee: \$5.00

Workbook Purchase: \$32.99

COURSE DESCRIPTION: [IDOE 2062] Level II Japanese enables students to participate in classroom and extracurricular activities related to the language studied as well as to participate in conversations dealing with daily activities and personal interests. Students will be able to:

- ask questions regarding routine activities
- participate in conversations on a variety of topics
- relate a simple narrative about a personal experience or event
- interact in a variety of situations to meet personal needs, such as asking permission, asking for or responding to an invitation, and expressing preferences pertaining to everyday life
- understand main ideas and facts from simple texts over familiar topics
- read aloud with appropriate intonation and pronunciation and
- write briefly in response to given situations, for example postcards, personal notes, and phone messages, as well as write letters using culturally appropriate format and style.

Additionally, students become:

- able to extend and respond to hospitality as a host or guest and

- aware of time expectations, such as arriving for appointments and social engagements

JAPANESE III

0433

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of Japanese I & II - all semesters with a grade of C or better.

Textbook Rental: \$23.39

Fee: \$5.00

Workbook Purchase: \$37.99

COURSE DESCRIPTION: [IDOE 2064] Level III Japanese provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the languages being learned. Students must be willing to initiate and participate in discussions concerning these cultures. In addition, students will be able to:

- respond to factual and interpretive questions and interact in a variety of social situations, such as expressing regrets, condolences, and complaints, and using more than rote memory formula phrases,
- read for comprehension from a variety of authentic materials, such as advertisements in newspapers and magazines, and cartoons and personal correspondence
- complete authentic forms and documents and take notes that require familiar vocabulary and structures
- write paraphrases, summaries, and brief compositions

JAPANESE IV

0435

2 Semesters 2 Credits Grade: 12

Prerequisite: Completion of Japanese I, II and III - all semesters with a grade of C or better.

Textbook Rental: \$23.39

Fee: \$5.00

COURSE DESCRIPTION: [IDOE 2066] Level IV Japanese enables students to participate in classroom and extracurricular activities related to the language studied. Students must be willing to participate in conversations with native and advanced non-native speakers, either in their community or in the school. This course also enables students to:

- respond to factual and interpretive questions, interact in complex social situations, and express opinions and make judgments
- write well organized compositions on a given topic,
- begin using the language creatively in writing simple poetry and prose and conversation

- seek help in a crisis situation and participate appropriately at special family occasions, such as birthdays, weddings and anniversaries

Students will also become:

- able to adjust speech appropriate to the situation and audience and
- able to participate appropriately in a variety of specific circumstances which could include public meetings, attending concerts, and using public transportation

SPANISH I

0417

2 Semesters 2 Credits Grades: 9-12

Prerequisite: None

Textbook Rental: \$17.86

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2120] Level 1 Spanish introduces students to the Spanish language by practicing reading, writing, listening, and speaking skills on a daily basis. The goal of level 1 is to establish a solid foundation in the Spanish language. Students will learn strategies to become effective language learners. Within this context, the course provides students with opportunities to:

- comprehend new language through dialogues, clip art, rhymes, visuals, and video
- practice communication through using technology
- answer questions and express personal opinions both verbally and in writing
- compare languages and cultures through grammar study, pronunciation, art, and readings in authentic settings
- demonstrate all language skills through a variety of tasks and projects presented in the classroom

SPANISH I ACCELERATED

0445

2 Semesters 2 Credits Grade: 9

Textbook Rental: \$17.86

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2120] Spanish I Accelerated is designed to prepare highly capable, motivated students for future AP study and examination. This course is the first in a series of accelerated courses. Through a compacted curriculum, students will learn more vocabulary and more grammatical structures than is typically possible in a regular level I language class. Students need to have an adeptness for applying effective language learning strategies, as demonstrated on a language aptitude test administered prior to enrollment and show a

willingness to experience various aspects of the cultures. Students will move quickly through the basic language acquisition skills of listening, speaking, reading, and writing. Within this context, Spanish I Accelerated provides students with opportunities to:

- comprehend new language through dialogues, clip art, rhymes, visuals, and video
- practice communication through listening exercises, paired and group activities, and through using technology
- answer questions and express personal opinions both verbally and in writing
- compare languages and cultures through grammar study, pronunciation, art, and readings in authentic settings
- demonstrate all language skills through a variety of tasks and projects presented in the classroom

SPANISH II

0419

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Completion of Spanish I - both semesters with a grade of C or better.

Textbook Rental: \$17.86

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2122] Level II takes what the student learned in Level I and builds upon it. We continue to practice the language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level II is to expand students' ability to talk about school activities, living in the city, one's daily routine, and other topics that the student might use in real life. As the library of useful vocabulary grows for the student, so does the ability to talk and write about more topics in a more authentic way. The course provides the students with opportunities to:

- comprehend new language through dialogues, clip art, visuals, and video
- practice communication through listening exercises, paired activities, and through the use of technology
- answer questions and express personal opinions both verbally and in writing
- compare languages and cultures through grammar study, pronunciation and cultural information
- demonstrate all language skills through a variety of tasks and projects

SPANISH II**ACCELERATED****0453****2 Semesters 2 Credits Grade: 10****Prerequisites: Completion of Spanish I****Accelerated - both semesters with a grade of C or higher or a teacher's recommendation in regular Spanish I****NO COURSE WAIVER WILL BE ACCEPTED****Textbook Rental: \$17.86****Supplemental Fee: \$10.00**

COURSE DESCRIPTION: [IDOE 2122] This accelerated course is designed to continue to prepare the students for the AP Program in their senior year. More material will be covered than in the regular Spanish 2 program with the goal of further enhancing the development of the basic skills of listening, speaking, reading, and writing. Oral proficiency and sentence structure are emphasized. Students continue to learn about the countries where Spanish is spoken, as well as about the Spanish-speaking population of the United States.

SPANISH III**0421****2 Semesters 2 Credits Grades: 11-12****Prerequisite: Completion of Spanish I & II - all semesters with a grade of C or better****Textbook Rental: \$17.86****Supplemental Fee: \$10.00**

COURSE DESCRIPTION: [IDOE 2124] Level III takes what the student learned in Levels I and II and builds upon it. We continue to practice the language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level III is to expand students' ability to talk about different situations in life. The students explore the world of Spanish art, getting a job, going on vacation, and other authentic situations. As the library of useful vocabulary grows for the student, so does the ability to talk and write about more topics in a more authentic way. Sentence structure becomes more sophisticated. The students talk about the present, the past, and the future. The course provides the students with opportunities to:

- comprehend new language through dialogues, clip art, visuals, and video
- practice communication through listening exercises, paired activities, and through the use of the language laboratory
- answer questions and express personal opinions both verbally and in writing
- compare languages and cultures through grammar study, pronunciation, art, and cultural information

- demonstrate all language skills through a variety of tasks and projects
- write more in the target language
- describe different aspects of the culture using technology where appropriate

SPANISH III ACCELERATED**0455****2 Semesters 2 Credits Grades: 11****Recommended Prerequisite: Spanish II****Accelerated, both semesters with a grade of C or higher or a teacher's recommendation in regular Spanish II.****Textbook Rental: \$17.86****Supplemental Fee: \$10.00**

COURSE DESCRIPTION: [IDOE 2124] This accelerated course is designed to continue prepare the students for the AP Program in their senior year. More material will be covered than in the regular Spanish 3 program with the goal of further enhancing the development of the basic skills of listening, speaking, reading, and writing. Oral proficiency and sentence structure are emphasized. Students continue to learn about the countries where Spanish is spoken, as well as about the Spanish-speaking population of the United States.

SPANISH IV**0423****2 Semesters 2 Credits Grades: 11-12****Prerequisite: Completion of Spanish I, II & III- all semesters with a grade of C or better****Workbook Purchase: TBD****Paperback Purchase: \$25.00****Supplemental Fee: \$10.00**

COURSE DESCRIPTION: [IDOE 2126] Level IV takes what the student learned in Levels I, II, and III and builds upon it. We continue to practice the language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level IV, however, is to expand the students' ability to talk about cultural differences in the world. The students explore the history, art, political development, and cultural traditions of Spain, South America, and Central America. As the library of useful vocabulary grows for the student, so does the ability to talk and write about more topics in a more authentic way in Spanish. Sentence structure becomes even more sophisticated. The students talk about the various countries they study using the verb tenses in Spanish they are practicing or learning. The course provides the students with opportunities to:

- comprehend new language through dialogues, clip art, visuals, and movies
- practice communication through listening exercises, paired activities, the use of technology, as well as native speakers
- answer questions and express personal opinions both verbally and in writing
- compare languages and cultures through grammar study, pronunciation, art, and cultural information
- demonstrate all language skills through a variety of tasks and projects
- write more in the target language
- read more in the target language using both short novels and essays
- describe different aspects of the culture using the foreign language

AP SPANISH 0424

2 Semesters 2 Credits Grade: 12

Prerequisite: Completion of Spanish I, II, & III - all semesters with grade of C or better.

Textbook/Workbook Purchase: TBD

Textbook Rental: \$30.41

Paperback: \$30.00

Supplemental Fee: \$10.00

Additional Cost: AP Exam TBD by College Board, approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 2132] Advanced Placement Spanish enables students to participate in activities beyond the classroom. Students must be willing to participate in conversations, promote the benefits of foreign language study and the study of the cultures in which the language is spoken. In addition, students will be able to:

- initiate and participate in conversations on current or past events
- analyze the main plot, subplot, characters and their descriptions, roles, and significance in authentic literary texts
- create stories and poems, short plays, and skits based on themes, ideas, and perspectives from the foreign cultures
- summarize the content of an article, a story, and to discuss these topics in Spanish

This course follows Advanced Placement guidelines as outlined by the College Board. In order to receive weighted credit and the Advanced Placement designation on transcripts, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in that course. The

course focuses on the preparation for the AP Spanish Exam.

SPANISH FOR SPANISH SPEAKERS* 0418

2 Semesters 2 Credits Grades: 9-12

Fee: \$10.00

Textbook: TBD

Prerequisite: None

COURSE DESCRIPTION: [IDOE 2190] This course offers native or near-native speakers of Spanish the opportunity to develop, maintain, and enhance proficiency in their home language by reinforcing and acquiring skills in listening, speaking, reading, and writing. The course will enable students to gain a better understanding of the nature of their own language, as well as of other languages in which they might be instructed. It will also teach students to appreciate the depth and diversity of Hispanic culture both in the United States and abroad. In addition, this course will meet the needs of students who speak Spanish, but who have had little or no formal training in it.

**This course does not fulfill a world language credit requirement. Students who enroll in this class will receive elective credit only.*

NOTE: American Sign Language is not counted as World Language credit by all colleges. Students are responsible for checking.

AMERICAN SIGN LANGUAGE I 0437

2 Semesters 2 Credits Grades: 9-11

Prerequisite: None

Workbook Purchase: \$62.50

Supplemental Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2156] American Sign Language I introduces American Sign Language (ASL) and the Deaf community. It focuses on frequently used signs through a functional-notional approach and discusses cultural features of the Deaf community. Emphasis is placed on the receptive and expressive skills. In the areas of reading, composition, and receptive and expressive communication skills, students have the opportunity to:

- develop visual acuity
- follow brief verbal instructions
- understand short statements, questions, and dialogues
- originate short descriptions from prompts
- read and discuss texts written by Deaf authors about their experiences

- read and discuss the history of the Deaf community
- begin to understand the current Glossing system used to write ASL

Students also learn to recognize the difference between the pathological and psychological definitions of deafness, dispel common myths associated with deafness and ASL, recognize the widespread use of ASL throughout the United States, and develop an understanding of the intricate relationship between languages and cultures in general.

AMERICAN SIGN LANGUAGE II 0439

2 Semesters 2 Credits Grades: 10-12

Prerequisite: Completion of American Sign Language I - both semesters with a grade of C or better.

Workbook Purchase: \$62.50

Supplemental Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2158] American Sign Language II continues the focus on frequently used signs through a functional-notional approach and the cultural features of the Deaf community. Emphasis is placed on a more advanced level of learning the receptive and expressive communication skills in American Sign Language. In the areas of reading, composition, and receptive and expressive communication skills, students are given opportunities to:

- understand longer and more intricate grammatical features as they occur in context
- watch and understand short stories, dialogues, and poetry in ASL
- continue to develop visual discrimination
- begin to understand various dialects of ASL by interacting with ASL users with the Deaf community
- begin to use classifiers appropriately
- perform original translations from English to ASL
- increase awareness of common experiences within the Deaf community
- continue to study the history of ASL and the Deaf community
- begin to examine the current linguistic research done in ASL
- continue the mastery of the current Glossing system used in texts to write ASL and
- begin to write in gloss their own simple dialogues, poetry, and translations

AMERICAN SIGN LANGUAGE III 0441

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of American Sign Language I & II - all semesters with a grade of C or better.

Workbook Purchase: \$52.46

Supplemental Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2162] American Sign Language III continues to develop expressive and receptive signing skills as well as cultural awareness. Vocabulary will be reviewed and increased from previous courses. Emphasis will be placed on non-manual grammar. Students will interact with member(s) of the Deaf community. Class will be conducted in ASL; ASL will be the language used by the teacher and students in the classroom.

AMERICAN SIGN LANGUAGE IV 0443

2 Semesters 2 Credits Grades: 11-12

Prerequisite: Completion of American Sign Language I, II & III - all semesters with a grade of C or better.

Workbook Purchase: \$52.46

Supplemental Fee: \$3.00

COURSE DESCRIPTION: [IDOE 2164] American Sign Language IV continues to develop expressive and receptive signing skills. Issues, current or else, in ASL and Deaf culture are shared throughout the course. Students will explore the use of literature and storytelling in ASL. Students will also incorporate non-manual grammatical features and classifiers into their signing. ASL will be used at all times by everyone in the classroom.

SIGN LANGUAGE SUPPORT INTERNSHIP

0482

2 Semesters 2 credits Grades: 11-12

Prerequisite: Completion of American Sign Language I, II, & III and all semesters with a grade of C or better

COURSE DESCRIPTION: [IDOE 0520] Sign Language support internship is designed for students to be placed with a D/deaf/ H/H student(s) that need support in their school day. Students provide support in language, peer and tutor situations, and for the classroom teacher. Students will be mentored and monitored in their placements. The SLSI is aimed toward students who wish to continue their career in a sign language related field.

CHINESE I **0447****2 Semesters 2 Credits Grade: 9-12****Prerequisite: None****Textbook Rental: \$12.00****Workbooks Purchase: \$24.68****Supplemental Fee: 10.00**

COURSE DESCRIPTION: [IDOE 2000] This beginning class introduces students to the Chinese Mandarin language and the culture with emphasis on producing modern, authentic communication. In this two-semester course, Hanyu Pinyin will be taught in the first semester. Although the textbook will use simplified Chinese characters, the traditional Chinese characters will also be taught. The course is designed for students who don't know Hanyu Pinyin and have had little exposure to Chinese language. Upon the completion of this course, students will be able to develop basic proficiencies in listening, speaking, reading and writing on the topics studied. Students will also develop understanding of the culture, philosophy and life styles of the Chinese speaking countries through learning of the various Chinese festivals, songs and poems, and engaging some cultural activities, games and crafts. Computer-assisted technology and online course materials are an integral part of the instruction in this class.

CHINESE II **0449****2 Semesters 2 Credits Grades: 9-12****(or Grades 9-12 heritage language learners)****Prerequisites: A grade of C or higher in Chinese I or heritage language learners (those who come from Chinese or bilingual home background) who know Hanyu Pinyin (PRC) and at least 50 - 100 Chinese Characters.****Textbook Rental: 12.00****Supplemental Fee: \$10.00****Workbook Purchase: \$25.16**

COURSE DESCRIPTION: [IDOE 2002] The two-semester course is a continuation of Chinese I. The course aims at further developing fundamental language skills. All four skills (speaking, reading, listening and writing) will be emphasized and learned in communicative context. Students are expected to actively participate in class by engaging in interactive activities and reading and writing practices. Both simplified and traditional Chinese character forms will be taught in class. Students will also develop understanding of the culture, philosophy and life styles of the Chinese speaking countries through learning of the various Chinese festivals, songs and poems, and engaging some cultural activities, games and crafts. Upon the completion of this course,

students will develop oral proficiencies in topics studied. They will be able to read and write paragraphs, statements, and dialogues. Computer-assisted technology and online course materials are an integral part of the instruction in this class.

ACCELERATED CHINESE **0451****2 Semesters 2 Credits Grades: 9-12****(Heritage language learners who can speak/ understand basic daily used Mandarin or students who took Chinese language class for two years or more)****Prerequisites: Student can understand/speak basic daily conversations in Mandarin Chinese.****Textbook Rental: \$11.50****Workbook Purchase: TBD****Supplemental Fee: \$10.00**

COURSE DESCRIPTION: [IDOE 2190] This accelerated course is designed to prepare students to take the AP Chinese test. This course will focus on accuracy and comprehension in listening, reading, speaking, and writing. Oral proficiency and writing of complex sentence structures will be emphasized. The class will be taught entirely in the target language. Students will develop oral proficiency in order to engage in conversations about topics studied. They will be able to read and write paragraphs, statements and dialogues. Students will also learn about the cultures, philosophies, and lifestyles of the Chinese people in the target countries as well as different regions of the world.

CHINESE III **0457****2 Semesters 2 Credits Grades: 9-12****Prerequisites: A grade of C or higher in Chinese 2****Textbook Rental: \$11.50****Workbook Purchase: \$35.06****Supplemental Fee: \$10.00**

COURSE DESCRIPTION: [IDOE 2004] The two-semester course is continuation of Chinese 2. While continuing to strengthen the skills of speaking, writing, listening, and reading with Mandarin Chinese, the course also continue to incorporate the study of Chinese culture and history. By increasing students' vocabulary and their knowledge of sentence patterns, the course will promote students to obtain advanced reading and writing skill. Level III Chinese is also designed to improve students' abilities to communicate effectively and appropriately in real life social contexts. In addition, some computer-assisted technology and online course materials are an integral part of the instruction to enhance oral and listening proficiency. Students who are interested in

taking Chinese SAT II subject test currently or in the future year will get help in learning about the test and preparing the test.

CHINESE IV **0467**

2 Semesters 2 Credits Grades: 10-12

Prerequisites: A grade of C or higher in Chinese 3

Textbook Rental: \$11.90

Workbook Purchase: \$33.99

Supplemental Fee: \$10.00

COURSE DESCRIPTION: [IDOE 2006] This course provides intermediate-level training in spoken and written Chinese in cultural context, based on language skills developed in Chinese III. By increasing students' vocabulary and their knowledge of sentence patterns, the course focuses on speaking and writing in coherent and well-formed paragraphs. By the end of the semester students should be able to (1) carry out rather fluent conversations about daily activities, (2) write compositions of 300-500 characters on subjects of their daily life and personal experiences. The course is also designed to improve students' abilities to communicate effectively and appropriately in real life social contexts. In addition, some computer-assisted technology and online course materials are an integral part of the instruction to enhance oral and listening proficiency. Students who are interested in taking Chinese SAT II subject test will get help in identifying their strength and weakness in four aspects through some practice material. With the assistance from the teacher, students will develop a study plan so as to ensure the success of the Chinese SAT II subject test.

AP CHINESE **0469**

2 Semesters 2 Credits Grades: 12

Prerequisite:

Supplemental Fee: \$10.00

Textbook Rental: \$33.19

Workbook Purchase: \$62.37

Additional Cost: AP Exam TBD by College Board approx. \$92.00

This course is weighted on a 5.0 scale.

COURSE DESCRIPTION: [IDOE 2014] Advanced Placement Chinese Language & Culture course is

continuation of Chinese 3. The course objective is to further improve students' proficiency in listening, speaking, reading, and writing skills to be ready for the AP Chinese exam held every May. Students enrolled in this course will also have the maximum exposure to Chinese cultural elements that are integrated in the process of learning the language. The primary goal of this course is to enable students to communicate through the exploration of topics reflecting multiple aspects of Chinese society and culture. Each unit of study comprises vocabulary, sentence patterns, text analysis, application of vocabulary and patterns, supplementary reading, and finally, writing assignments and tests. Students should be able to achieve the following objectives:

- Develop communicative competence in listening, speaking, reading, and writing skills.
- Understand the textbook lessons and supplementary materials and participate in discussions of the cultural aspects of the readings in Chinese.
- Use the knowledge gained through course materials to develop critical thinking and writing skills to compose essays in Chinese on given topics.
- Use the Chinese language to communicate effectively both in the school setting and in real-life situations.
- Use the Chinese language as they seek clarifications through the use of communication and language learning strategies that are running elements of the course.
- Carry on a conversation or a discussion with other students in class.

Preparation for the AP Chinese Exam will take place throughout the year. This course follows Advanced Placement guidelines as outlined by the College Board. In order to receive weighted credit and the Advanced Placement designation on transcript, students must successfully complete both semesters of the Advanced Placement course and attempt the Advanced Placement examination in this course.

Penn High School 4 + 4 Year Worksheet*

Grade 9	Grade 10	Grade 11	Grade 12
English 9 (Honors)	English 10 (Honors)	English 11 (Honors/AP)	English 12 (Honors/AP/Ivy Tech)
Math (Honors)	Math (Honors)	Math (AP)	Math (ACP/AP/Ivy Tech)
Biology (Honors)	ICP or Chem (Honors)	Science	Science
Geography Hist. of the World	Health	US History (AP/ACP/Ivy Tech)	US Gov/Econ (AP/ACP/Ivy Tech)
Physical Education	AA Elective	Achievement Academy Elective	Achievement Academy Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
PCC & Intro to Communication	Interactive Media	Internship/Dual Credit/Study Hall	Internship/Dual Credit/Study Hall

Post-secondary

	Two Year College	Vocational Training Apprenticeship	Four Year College
Schools of Interest			
Area of Interest			

My Achievement Academy: ___Fine Arts/Communication ___STEM ___MBA ___Health & Human Svs.

INDEX

Message from the Principal	1
School Board and Administration.....	2
Important Telephone Numbers	3
PHM Vision, Values, Beliefs	4
PHM Profile of a Graduate.....	5
Mission Statement	6

Academic Planning

Planning Your Schedule	6
Schedule Change Policy.....	6
Penn High School Graduation Requirements	7
High School Courses Taken in Middle School	7
Indiana Core 40 Expectations.....	7
Indiana Core 40 w/Academic Honors.....	8
Indiana Core 40 w/Technical Honors	8
General Diploma.....	8
Smaller Learning Communities (SLC).....	13
Freshman Academy	13
Achievement Academies	13
Early College Academy	14
Work Based Learning	14
Four Year Plan Sheet	14
PHS Academy Chart	15
Graduation Exams.....	16
Remediation Policy	16
Assessment Philosophy.....	16
Grading Standards for Penn High School	16
Weighted Grades.....	17
Advanced Placement® Designation	17
Incompletes Due to Excessive Absences	18
Withdrawing From a Course	18
Course Repeats.....	18
Report Cards	18
Summer School.....	18
Home Access Center.....	18
Commencement Participation Policy	18
NCAA Athletic Eligibility Policy.....	18

Counseling Services

Mission Statement	19
Your Counselors.....	19
The SAT® and ACT.....	19
College Application Procedures.....	20

Awards

Honor Roll	20
High Honor Roll	20
Academic Excellence	20
Academic Letter.....	20
National Honor Society	20
Graduation with High Honors.....	20
Scholarships.....	21

Special Programs

Early Graduation.....	21
Penn Advanced Career and Technical Education College Credit Program	21
Advanced Placement®	21
Advanced College Project	22
Project Lead the Way & Academic Honors Diploma	22
Elkhart Area Career Center	23
Code of Conduct.....	24
Student Assistants.....	24
Student Interns	24
Kingsmen Tutor Internship.....	24
Peer Leaders.....	25
Foreign Exchange	25
Freshman Mentors	25
Pharmacy Technician Training (Seniors only).....	26
Pennway Alternative School	27
Pennway Night School.....	27
Exceptional Education	28

Multidisciplinary Courses

Developmental Reading: Read 180 Workshop.....	32
Developmental Reading: Contemporary Literature I.....	32
Developmental Reading: Contemporary Literature II.....	32
Penn FIRST Robotics Internship.....	33
Professional Career Internship.....	33
Penn Advanced CTE College Credit Program.....	33
Medical Terminology	34
Certified Nursing Assistant Program	34
Cosmetology.....	35
Office Student Internships.....	35
SAT /ACT	35
Preparing for College & Careers (PCC1)	35
Introduction to Communication.....	36
Interactive Media.....	36
Peer Leaders	36
Basic Skills Development – ENL Strategies	36
Radio & Television I	36
Radio & Television II	37
Film Literature / Recording Arts Seminar	37
TV Broadcast Internship.....	37
Kingsmen Tutor Internship.....	37
AP Capstone: Seminar & AP Capstone: Research	38
Topics in Psychology: The Science of Happiness	38

Early College Academy	39
------------------------------------	-----------

Freshman Academy	51
-------------------------------	-----------

Advanced CTE Program.....	54
----------------------------------	-----------

English	60
----------------------	-----------

Art.....	69
-----------------	-----------

Band	77
-------------------	-----------

Orchestra	80
------------------------	-----------

Elective Music.....	82
----------------------------	-----------

Choir.....	84
-------------------	-----------

Dance	87
--------------------	-----------

Theatre	89
----------------------	-----------

Physical Education.....	92
--------------------------------	-----------

Health	95
---------------------	-----------

Social Sciences	97
Family & Consumer Sciences	106
Business	110
Mathematics	118
Science	125
Agriculture	136
Engineering & Technology	139
World Languages	147
Four Year Plan Sheet	160
Index	161