

2019-2020



**PENN HIGH
SCHOOL**

Program of Studies

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 of supportment 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 (HHS) 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,

Sean Galiher
Principal

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Penn High School

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Mrs. Megan Bidigare	(Pa-Sk 10-12) Counselor

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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 school 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

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.

Class Of 2020-2022 Graduation Requirements

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 retake that class with a Penn teacher or online for AHD purposes. Retaking courses does not replace the grade on the Penn High School transcript.
- 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

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 the approved dual credit list
 - C. Earn 2 of the following:
 1. A minimum of 3 verifiable transcribed college credits from the approved dual credit list.
 2. 2 credits in AP courses and corresponding AP exams.
 3. 2 credits in IB standard level courses and corresponding IB exams.
 - D. Earn a composite score of 1250 or higher on the SAT and a minimum score of 560 on math and 590 on the evidence based reading and writing section. **
 - E. Earn an ACT composite score of 26 or higher and complete written section
 - F. Earn 4 credits in IB courses and take corresponding IB exams.

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

Graduation Requirements Beginning With The Class Of 2023

The Great Recession in 2008 had profound impacts on our economy. While jobs are back, they are not the same ones lost during the recession. The Georgetown University Center on Education and the Workforce report demonstrated that over 95% of jobs created during the recovery have gone to workers with at least some college education, while those with a high school diploma or less are being left behind. The high school diploma is what gets students started; it's no longer the finish line. Students need to be equipped for a more demanding job market and postsecondary opportunities that differ from the status quo of a graduation test.

Until recently, Indiana's approach to graduation requirements was a one-size-fits-all approach requiring every student to pass graduation qualifying exams (ISTEP). This approach required students who did not pass these exams to take remedial classes to prepare for and retake them. While these remedial classes were designed to help students, it frequently prevented students from taking classes that would help prepare them for college and career opportunities after high school. This requirement is still in effect for the graduating classes of 2019-2022.

With the passage of Graduation Pathways, students are now able to individualize their graduation requirements to align to their postsecondary goal. No longer must all students fit into the same academic mold, but rather, they can choose the options that best meet their postsecondary needs and aspirations. Students can create pathways that serve their educational interests and prepares them for postsecondary educational and career opportunities. Overall, this plan ensures that students are truly prepared to be successful in whatever they want to pursue after high school.

Beginning with the graduating class of 2023, students must satisfy at least one option from each of the three boxes listed in the table below in order to graduate. However, the graduating classes of 2019-2022 may satisfy graduation requirements by opting into the new Graduation Pathways if they did not meet the ISTEP requirement for graduation during the sophomore year.

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 an its students. These offerings will be contingent upon budgetary constraints, staff availability, and minimum student enrollment for such courses.

Please see the Graduation Requirement Charts for specific requirements.

Penn High School Graduation Requirements (Starting with Class of 2023)

Requirements	Graduation Pathway Options
1) High School Diploma (Students must complete the course requirements of one of the following diplomas.)	<ul style="list-style-type: none"> ● Core 40 designation; ● Academic Honors designation; ● Technical Honors designation; ● General Diploma
2) Learn and Demonstrate Employability Skills (Students must complete <i>at least one</i> of the following employability experiences.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by <u>one</u> the following: <ul style="list-style-type: none"> ● Project-Based Learning Experience; OR ● Service-Based Learning Experience; OR ● Work-Based Learning Experience.
3) Postsecondary-Ready Competencies (Students must complete <i>at least one</i> of the following.)	<ul style="list-style-type: none"> ● Honors Designation: Fulfill all requirements of either the Academic or Technical Honors designation; OR ● ACT: Minimum score of 18 in English, 22 in Math and 23 in Science; OR ● SAT: Minimum score of 480 in English and 530 in Math; OR ● ASVAB: Earn at least the minimum AFQT score of 31 to qualify for placement into one of the branches of the US military; OR ● State- and Industry-recognized Credential or Certification; OR ● Federally-recognized Apprenticeship; OR ● Career-Technical Education Concentrator: Must earn a <u>C average</u> or higher in at least 6 high school credits in a career pathway (see Appendix for Career Pathways); OR ● AP/IB/Dual Credit/ Exams: Must earn a <u>C average</u> or higher in at least three courses; OR

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
- Professional Work Based-Management & Business
- 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 (ACP, 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.

- Starting with the class of 2019, students are 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 the graduating classes of 2019-2022. Students in the graduating classes of 2019-2022 must meet the ISTEP requirement. However, students may elect to opt-in and complete a Graduation Pathway if they are unsuccessful on the ISTEP during their sophomore year. Graduation pathways will be required starting with the class of 2023. Information about Graduation Pathways is included in the diploma section of the Program of Studies.

Remediation Policy for ISTEP+

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+ 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+ will be required to participate in specific remedial activities designed to improve their scores. However, Indiana's approach to graduation requirements requiring every student to pass a graduation qualifying exam will end with the class of 2022. Students in the graduating classes of 2019-2022 must meet the ISTEP requirement or complete a Graduation Pathway. Graduation pathways will be required starting with the class of 2023.

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. 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 2018-19 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 2019-20 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

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 Counseling Services 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 and/or Technical 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

Fees

Most student fees are course-specific and vary depending on the amount of consumable supplemental supplies needed to support mastery of learning objectives. Those fees are listed in the fee appendix. In addition, all students are charged a digital fee of \$22.50 to cover digital learning resources.

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 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

Most traditional four-year colleges 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 and the use of the Common Application. Both are secure online systems that allow students to order transcripts electronically. Our staff sends the requested transcripts and the Secondary School Report to the colleges and universities requested by the student. With the Common Application, students must invite their alphabetically assigned counselor as a recommender for this process to be completed. 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. If using the Common Application, invite your counselor to initiate this process.

- 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 eight 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 Counseling Web page and can also be accessed through Twitter by following @PennScholarship. **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.

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 students an opportunity to earn high school credit as well as college credit and/or appropriate placement at the college level. 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. Students who choose to take an AP® course outside of Penn must also take the corresponding AP® examination to receive weighted grade/credit. 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 estimated fees for Advanced Placement® exams are in the Fee Appendix. These are determined and set each year by The College Board® and are subject to change after this printing.

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




AP® Art History	AP® French
AP® Biology	AP® German
AP® Calculus AB	AP® Human Geography
AP® Calculus BC	AP® Music Theory
AP® Capstone	AP® Physics I (C:Mechanics)
(AP® Seminar & AP® Research)	AP® Physics II (C:Electricity & Magnetism)
AP® Chemistry	AP® Psychology
AP® Chinese	AP® Spanish
AP® Comparative Government & Politics	AP® Statistics
AP® Computer Science Principles	AP® Studio Art: 3-D Design
AP® Economics: Micro & Macro	AP® Studio Art: Drawing
AP® English Language and Composition	AP® Studio Art: Painting
AP® English Literature and Composition	AP® Studio Art: Photography
AP® Environmental Science	AP® U.S. Government & Politics
AP® European History	AP® U.S. History

Advance College Project (ACP)

High School-based courses offered for dual credit through Indiana University. These courses are noted in the course descriptions using the **Ψ** symbol.

ACP Biology
ACP Business Calculus
ACP Cadet Teaching Experience
ACP Calculus I
ACP Calculus II
ACP Composition & Literature
ACP Political Science
ACP Principles of Business Management
ACP US History

Dual Credit Courses

High School-based courses offered for dual credit through Purdue University , Ball State University , or Ivy Tech Community College . These courses are noted in the course descriptions using the associated symbols.

Project Lead the Way Classes

Project Lead the Way (PLTW) classes will fulfill requirements for the Academic and Technical Honors Diplomas. Most classes listed below will meet the dual high school/college course credit requirement. The classes listed below also meet the requirements for the 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.

Engineering:

- Introduction to Engineering Design (9-12)
- Principles of Engineering (10-12)
- Digital Electronics (10-12)
- Civil Engineering & Architecture (10-12)
- Aerospace Engineering (11-12)
- Engineering Design & Development (12)

Biomedical Science:

- Principles of Biomedical Sciences (9-12)
- Human Body Systems (10-12)
- Medical Interventions (11-12)
- Biomedical Innovation Capstone (12)

Computer Science:

- Introduction to Computer Science (9-12)
- AP Computer Science Principles (11-12)

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)
 - **Interactive Media 1461/1462** (DOE Course: Interactive Media 5232)
- **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

- **Mechanical Drafting & Design I & II 1439/1440-1441/1442** (DOE course: Mechanical Drafting & Design I & II - 4836/4838)
- **3D Computer Animation & Visualization 1539/1540** (DOE course: 3D Computer Animation & Visualization 5530)
- **Mechatronics I & II 1483/1484 & 1583/1584** (DOE course: Industrial Technical Maint 5686 & 5688)
- **Manufacturing Technology I & II 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 & Engineering Technology 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)
 - **Cardiology I & II 1455/1456-1457/1458** (DOE course: Health Science II Special Topics 5286/Emergency Medical Services - 5210)
 - **Pre-Nursing w/CNA Concentration 1445/1446** (DOE course: Health Science II-Nursing - 5284)
- Seniors only
- **Sports Medicine I 1474/1475** (DOE course: Health Science II: Nursing - 5290)
 - **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)
 - **EMT: 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 & Hospitality 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)
 - **Creative Outdoor Management I & II 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

- **Agriculture Mechanics 1403/1404** (DOE course: Agriculture Power Structure & Technology - 5088)
- **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-5620/5624)
- **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)

**ADVANCED CAREER TECHNICAL
EDUCATION (CTE) PROGRAM**

A College Based Dual Credit Program:

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 requested.

Juniors and Seniors

(All Listed Courses are Tuition Free for Penn Students)

These courses are weighted on a 4.5 scale if a "C" or better is earned.

Academic & Technical 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 these Honors Diplomas.

CORE 40: All classes 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. Students must work with Mrs. Ball and the Post Secondary Institute for scheduling, requirements, and expectations. Please feel free to contact Mrs. Ball at mball@phm.k12.in.us with any questions you may have.

Business Administration

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

Information Technology Management

Various classes

Communication

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

School of Public & Social Services

- | | |
|--|-------------------------------------|
| ___ *Intro to Criminal Justice Systems | ___ Introduction to Law Enforcement |
| ___ Introduction to Criminology | ___ 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.

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 (Course number 0661)

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. The internship is considered volunteer experience earning approximately 70 volunteer hours per semester, if taken for no credit. 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 for credit, but it can also be taken in place of a study hall for no credit. 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 (Course number 1603)

Students (Grades 10-12) 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. As part of this Work-Based Learning experience, students will complete a number of components resulting in a portfolio. 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

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

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.

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

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 emailing: mball@phm.k12.in.us.

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.

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.

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. Individuals who have a GED, are currently enrolled at another high school and not beyond their graduation date are not eligible.

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.

Indiana Certificate of Completion Course of Study

Effective with the students who enter high school in 2018-19 school year (class of 2022)

The Course of Study for the Certificate of Completion is a framework for aligning curriculum to grade level standards while meeting the individual goals and transition needs stated in the student's Individual Education Plan (IEP).

Minimum total 40 credits/applied units: It is expected that these requirements are met through enrollment in a combination of general education courses for credit, modified general education courses in which non-credit applied units are earned and special education courses in which non-credit applied units are earned.

Life Skills*		Applied**
LS Language Arts I LS Language Arts II	English/ Language Arts (8 Units)	Applied English 9 Applied English 10 Applied English 11 Applied English 12
Practical Math I Practical Math II	Mathematics (4 Units)	Applied Math I Applied Math II
LS Science	Science (4 Units)	Applied Biology
LS Social Studies	Social Studies (4 Units)	Applied Geography Applied Civics and Money Matters
Adaptive PE	Physical Education (2 Units)	PE or Adaptive PE
Daily Living Skills	Health and Wellness (1 Units)	Applied Health and Wellness
Community Living Education and Training Personal Management Employability Skills Work Experience	Employability (10 Units)	Careers Work Experience General education coursework driven by transition goals
General Education Electives	Electives (7 Units)	General Education Electives

Certificate of Completion Transition Portfolio

Students earning a certificate of completion fulfill at least one of the following (aligned with transition goals):

1. **Career Credential:** Complete an industry-recognized certification, one-year certificate or state-approved alternative
2. **Career Experience:** Complete project- or work-based learning experience or part time employment
3. **Work Ethic Certificate:** Earn a Work Ethic Certificate (criteria to be locally determined)
4. **Other Work Related Activities:** As determined by the case conference committee

* Life Skills is intended for students who need more supported Exceptional Education level courses.

** Applied is intended for students who need more rigorous Exceptional Education courses.

EXCEPTIONAL EDUCATION COURSE DESCRIPTIONS

Penn# 1201

APPLIED ENGLISH 9

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1002A

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 class. Placement is made on the recommendation of the case conference committee. This course is for students working towards a Certificate of Completion.

Penn# 1203

APPLIED ENGLISH 10

Semesters: 2 Credits: 2

Grade Level: 10

Prerequisite: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1004A

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 10 class. Placement is made on the recommendation of the case conference committee. This course is for students working towards a Certificate of Completion.

Penn# 1205

APPLIED ENGLISH 11

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1006A

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.

Penn# 1207

APPLIED ENGLISH 12

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1008A

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.

Penn# 1283/1285/1287

CORRECTIVE READING I, II & III

Semesters: 2 Credits: 2

Prerequisite: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1120

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.

Penn# 1265

LEARNING STRATEGIES

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 0500

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.

Penn# 1209

APPLIED GEOGRAPHY AND HISTORY OF THE WORLD

Semesters: 2 Credits: 2

Grade Level: 9/10

Prerequisite: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1570A

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.

Penn# 1213

APPLIED CIVICS

Semesters: 1 Credits: 1

Grade Level: 12

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE# 1508A

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.

Penn# 1216

APPLIED MONEY MATTERS

Semesters: 1 Credits: 1

Grade Level: 11/12

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1514A

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.

Penn# 1233

PRACTICAL MATHEMATICS I

Semesters: 2 Credits: 2

Grade Level: 9-10

Weight: 4.0 IDOE: 2560A

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. 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.

Penn# 1231

PRACTICAL MATHEMATICS II

Semesters: 2 Credits: 2

Grades: 11-12

Weight: 4.0 IDOE# 2560A

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.

Penn# 1235

APPLIED MATH I

Semesters: 2 Credits: 2

Grades: 9-10

Prerequisite: Must be recommended in the

Individualized Education Plan

Weight: 4.0 IDOE: 2560A

Course Description:

This course contains a modified math curriculum at the applied level. This course is designed for those students in exceptional 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.

Penn# 1236

APPLIED MATH II

Semesters: 2 Credits: 2

Grades: 11-12

Prerequisite: Must be recommended in the

Individualized Education Plan

Weight: 4.0 IDOE: 2560A

Course Description:

This course contains a modified math curriculum at the applied level. This course is designed for those students in exceptional

education who need an alternative to the general education mathematics courses. It focuses on developing math 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.

Penn# 1237

APPLIED BIOLOGY I

Semesters: 2 Credits: 2

Grades: 9

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 3024A

Course Description:

This course contains modified curriculum, which focuses on the ISTAR IDOE Biology standards. 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. The Biology ISTAR assessment will be administered during the student's 10th grade year. Enrolled students are pursuing a Certificate of Completion.

Penn# 1238

APPLIED BIOLOGY II

Semesters: 2 Credits: 2

Grades: 10

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 3024A

Course Description:

This course contains modified curriculum, which focuses on the ISTAR IDOE Biology standards. 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. The Biology ISTAR assessment will be administered during the student's 10th grade year. Enrolled students are pursuing a Certificate of Completion.

Penn# 1229

APPLIED HEALTH AND WELLNESS

Semesters: 1 Credits: 1

Grade Level: 9-12

Prerequisite: Must be recommended in the

Individualized Education Plan

Weight: 4.0 IDOE: 3506A

Course Description:

Health & Wellness, a course based on Indiana's Academic Standards for Health & Wellness, provides the basis to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students practice the development of functional health information. Students will determine personal values that support health behaviors and develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course provides students with the knowledge and skills of health and wellness core

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

Penn# (0503/0504) 3002

APPLIED PHYSICAL EDUCATION I & II

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: Case conference committee and medical statement on file

Weight: 4.0

IDOE: 3542A & 3544A

Course Description:

Alternative for requirement. 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 restrictive 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.

Penn# 1266

CAREER INFORMATION

Semesters: 2 Credits: 2

Grade Level: 9-10

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 0522A

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.

Penn# 1239 1240 1241 1242

1243 1244 1245 1246

WORK EXPERIENCE

Semesters: 2 Variable Credit

Grade Level: 11-12

Prerequisites: Must be recommended in the Individual Education Plan.

Weight: 4.0

IDOE: 5974A or 5974

Course Description:

These courses are designed to give students with special needs an opportunity to gain work experience through in school or community jobs. 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.

LS 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.

Penn# 2202

LIFE SKILLS (DAILY LIVING SKILLS)

Semesters: 2

Grade Level: 9-12

Prerequisites: Must be recommended in the Individual Education Plan.

Weight: 4.0 IDOE: 0500A

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.

Penn# 2200

LS BIOLOGY

Semesters: 2 Credits: 2

Grades: 9-12

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 3024A

Course Description:

This is typically a 2 year course (case conference decision). ISTAR IDOE Biology standards are 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. The Biology ISTAR assessment will be administered during the student's 10th grade year.

Penn# 2224

LS BIOLOGY II

Semesters: 2 Credits: 2

Grades: 10-12

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 3024A

Course Description:

This is typically a 2 year course (case conference decision). ISTAR IDOE Biology standards are 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. The Biology ISTAR assessment will be administered during the student's 10th grade year.

Penn# 2208
LS SOCIAL STUDIES
Semesters: 2 Credits: 2
Grade Level: 9-12

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1508A

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.

Penn# 2204
LS LANGUAGE ARTS 9
Semesters: 2 Credits: 2
Grades: 9

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1002A

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.

Penn# 2226
LS LANGUAGE ARTS 10
Semesters: 2 Credits: 2
Grades: 10

Prerequisites: Must be recommended in the Individual Education Plan

Weight: 4.0 IDOE: 1004A

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.

Penn# 2212
LS LANGUAGE ARTS 11
Semesters: 2 Credits: 2
Grade Level: 11

Prerequisites: Must be recommended in the Individual Education Plan.

Weight: 4.0 IDOE: 1006A

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.

Penn# 2228
LS LANGUAGE ARTS 12
Semesters: 2 Credits: 2
Grades: 12

Prerequisites: Must be recommended in the Individual Education Plan.

Weight: 4.0 IDOE: 1008A

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.

Penn# 2220
LS WORK EXPERIENCE
Semesters: 2 Credits: 2
Grades: 11-12

Prerequisite: Must be recommended in the Individualized Education Plan

Weight: 4.0 IDOE: 5974A

Course Description:

The LS Work Experience is designed to give students with special needs an opportunity to gain work experience through in-school or community jobs. This

program provides the first opportunity for students to experience real world requirements for success in the workplace at their individualized level of skill. 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.

Penn# 2222
LS EMPLOYABILITY
Semesters: 2 Credits: 2
Grade Level: 11-12

Prerequisite: Must be recommended in the Individualized Education Plan

Weight: 4.0 IDOE: 0522A

Course Description:

The LS Employability course provides students with opportunities to learn about themselves including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in employability, and career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as community based instruction, internships, mock interviews, and guest speakers. Life Skill portfolio and resume development experience and career-related assessments may also be provided to students.

Penn# 2210
LS EDUCATION AND TRAINING
Semesters: 2 Credits: 2
Grade Level: 11-12

Prerequisite: Must be recommended in the Individualized Education Plan

Weight: 4.0 IDOE: 0500A

Course Description:

LS Education and Training is a multidisciplinary course that provides students continuing

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

Penn# 2214

LS COMMUNITY LIVING

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Must be recommended in the

Individualized Education Plan

Weight: 4.0 IDOE: 5330A

Course Description:

LS Community Living is recommended for all students as life foundations for independent community living. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources.

Penn# 2206

LS PERSONAL MANAGEMENT

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Must be

recommended in the Individualized Education Plan

Weight: 4.0 IDOE: 5364A

Course Description:

LS Personal Management is a course which focuses on essential life skills. 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, self-determination, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships.

Penn# 2100/2101

SOCIAL SKILLS AND SELF-MANAGEMENT PROGRAM

INDEPENDENT Study/Study Hall

Semesters: 1 or 2

Credits: variable

Grade Level: 9-12

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.

 = Quantitative Reasoning Course
  = Indiana University Dual Credit
  = Purdue University Dual Credit
 = Ivy Tech CC Dual Credit
  = Ball State University Dual Credit

MULTIDISCIPLINARY COURSES

Penn# 1871
PREPARING FOR COLLEGE & CAREERS (PCC)
Semesters: 1 Credits: 1
Grade Level: 9
Prerequisite: None
Weight: 4.5 IDOE: 5394
Ivy Tech- IVYT 111 Study Skills
College Credits: 3
Course Description:

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; personal financial literacy; 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. 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.

Penn# 1881/1882
INTRODUCTION TO COMMUNICATION
Semesters: 2 Credits: 2
Grade Level: 9-10
Prerequisite: None
Weight: 4.0 IDOE: 4790
Course Description:


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.

Penn# 1877/1879
INTERACTIVE MEDIA
Semesters: 2 Credits: 2
Grade Level: 10-11
Prerequisite: Digital
Applications and Responsibility
Weight: 4.00 IDOE: 5232
Course Description:

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.

Penn# 1886/1887 
CONSUMER ECONOMICS
Semesters: 1 Credits: 1
Grade Level: 9-12
Prerequisite: None
Counts as a social studies requirement for general diploma only
Weight: 4.0 IDOE: 5334
Course Description:

This course focuses on interrelationships among economic principles and individual and family roles of exchanger, consumer, producer, saver, investor, and citizen. Economic principles to be studied include scarcity, supply and demand, market structure, the role of government, money and the role of financial institutions, labor productivity, economic stabilization, and trade.

Penn# 0680, 0681, 0682, 0683, 0684, 0685, 0686, 0687
1, 2 or 3 Blocks
0674, 0675

WORK BASED LEARNING- INTERNSHIP
Semesters: 1 or 2
One Block: 1 credit per semester
Two Blocks: 2 credits per semester
Grade Level: 11-12
Prerequisite: None
Weight: 4.0 IDOE: 5974
Course Description:

Students must provide their own transportation. 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.

Penn# 0690-0691

PENN ADVANCED CTE COLLEGE CREDIT

(A College-Based Dual Credit Program)

Semesters: 1 or 2 Credit: 1-8

Grade Level: 11-12

Prerequisite: Meet Individual College admission requirements

Weight: 4.0 IDOE: 5238

Course Description:

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. Student is responsible for all costs associated with the college course. Students have the opportunity to enroll in a class at a local college through the Penn Advanced CTE CC 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), Michiana Beauty College and Vogue. 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 Advanced CTE CC 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. **Students must provide their own transportation. Complete details are listed in the Penn Advanced CTE College Credit Program section.**

Penn# 1885

SAT®/ACT

Semesters: 2 Credits: 0

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 IDOE: 0532

Course Description:

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.

Penn# 1603

PEER LEADERS

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Interview with course instructor

Weight: 4.0 IDOE: 5974

Course Description:

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.

Penn# 1655

BASIC SKILLS DEVELOPMENT: ENL STRATEGIES

Semesters: 2 Credits: 2

Grade Level: 9-12

Recommendation: WIDA Scores

Weight: 4.0 IDOE: 0500

Course Description:

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.

Penn# 1658

ENL - INTERNATIONAL SEMINAR

Semesters: 2 Credits: 2

Grade Level: 9-12

Weight: 4.0 IDOE: 1012

Recommendation: WIDA Scores

Course Description:

Students enrolled in the International Seminar class focus on the active application of language in order to address global issues & problems. Students stay abreast of current world events through weekly readings. They recount, explain, argue and discuss current issues in a seminar format. As a team, these students use mass-media to craft, publish, and distribute new stories about contemporary topics and problems on a PNN mass-media channel.

Penn# 0661 BBBS: 0662

KINGSMEN TUTOR INTERNSHIP

Semesters: 2 Credits: 2

Grade Level: 11-10

Prerequisite: Application,

interview, teacher

recommendations, clean

disciplinary and attendance

record

Weight: 4.0 IDOE: 5974

Course Description:

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. 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.

Penn# 1605 & 1607

AP CAPSTONE: AP SEMINAR & AP RESEARCH

(A 2 year course)

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 5.0 IDOE: 0552 & 0551

Course Description:

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. **AP Seminar would be taught to Juniors; AP Research would be taught to Seniors.**

PENN HIGH SCHOOL

PENN ACADEMY EARLY COLLEGE (PAEC) COURSE INFORMATION

9TH GRADE COURSE INFORMATION

Penn# 2301
ENGLISH 9 (PAEC)
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: None
Weight: 4.0 DOE# 1002

Course Description:

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..

Penn# 2303
**INTEGRATED CHEMISTRY AND
PHYSICS (PAEC)**
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: None
Weight: 4.0 DOE# 3108
Course Description:

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.

Penn# 2306
ALGEBRA I (PAEC)
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: None
Weight: 4.0 DOE# 2520

Course Description:

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 I is a required course for graduation.

Penn# 2305
GEOMETRY (PAEC)
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: Algebra I
Weight: 4.0 DOE# 2532

Course Description:

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.**


Penn# 2309
SPANISH 1 (PAEC)
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: None
Weight: 4.0 DOE# 2120

Course Description:

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

Penn# 2311 
IVYT 111 STUDY SKILLS (PAEC)
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: None
Weight: 4.5 DOE# 0500
DOE: Basic Skills Development
College Credits: 3

Course Description:
 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.

Penn# 2313
FRESHMAN RESOURCE (PAEC)
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: None
Weight: 4.0 DOE# 5394


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.

Penn# 2307
GEOGRAPHY AND HISTORY OF THE WORLD, (PAEC)
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisites: None
Weight: 4.0 DOE# 1570
Course Description:

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 interdependence 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.

10th GRADE COURSE INFORMATION

Penn# 2315 
ENGL 095 INTEGRATED READING & WRITING (PAEC)
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: English 9
Weight: 4.5 DOE# 1004
DOE- English 10
College Credits: 3

Course Description:
 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.

Penn# 2319
BIOLOGY I (PAEC)
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: ICP
Weight: 4.0 DOE# 3024

Course Description:
 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.

Penn# 2317/2318
TOPICS OF HISTORY (PAEC)
Semesters: 1 Credits: 1
Grade Level: 10
Prerequisites: None
Weight: 4.0 DOE# 1538

Course Description:
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.

Penn# 2323
SPANISH 2 (PAEC)
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: Spanish I
Weight: 4.0 DOE# 2122

Course Description:
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

Penn# 2326/2327 †
CINS 101 INTRODUCTION TO MICROCOMPUTERS (PAEC)

Semesters: 1 Credits: 1
Grade Level: 10
Prerequisites: Passing score on the English Accuplacer Tests OR "C" or higher in ENG 095
Weight: 4.5 DOE# 4528
DOE- Digital Applications & Responsibility

College Credits: 3
Course Description:
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.

Penn# 2321
ALGEBRA II (PAEC)
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: Geometry
Weight: 4.0 DOE# 2522

Course Description:
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.**

11th GRADE COURSE INFORMATION

Penn# 2329/2330 †
ENGL 111 ENGLISH COMPOSITION / ENGL 112 EXPOSITION & PERSUASION (PAEC)

Semesters: 2 Credits: 2
Grade Level: 11
Prerequisites: Passing score on the English Accuplacer Tests OR "C" or higher in ENG 095
Weight: 4.5 DOE# 1006/1098
DOE- English 11 / Advanced Composition
College Credits: 6
Course Description:

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.

Penn# 2333 ✚
CHEM 101 INTRODUCTION TO CHEMISTRY (PAEC)

Semesters: 2 Credits: 2

Grade Level: 11

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

Weight: 4.5 DOE# 3066

DOE- Chemistry II

College Credits: 3

Course Description:

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.

Penn# #2331/2332 (USE 3081) ✚
HIST 101 SURVEY OF AMERICAN HISTORY I / HIST 102 SURVEY OF AMERICAN HISTORY II (PAEC)

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisites: Topics of History, Passing score on the English

Accuplacer Tests OR "C" or higher in ENG 095

Weight: 4.5 DOE: 1542

DOE- United States History

College Credits: 6

Course Description:

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, 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.

Penn# 2337/2338 (USE 3080) ✚
SPAN 101 SPANISH LEVEL 1 / SPAN 102 SPANISH LEVEL 2 (PAEC)

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisites: Passing score on the English Accuplacer Tests OR "C" or higher in ENGL 095

Weight: 4.5 DOE# 2124

DOE-Spanish III

College Credits: 8

Course Description:

Ivy Tech Span 101/102 is a dual credit 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. It is also 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 Span 101/102 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, Demonstrate knowledge, understanding and appreciation of the Spanish language and cultures of the Spanish-speaking world.

Penn# 2339/2340 ✚
COMM 101 FUNDAMENTALS OF PUBLIC SPEAKING (PAEC)

Semesters: 1 Credits: 1

Grade Level: 11

Weight: 4.5 DOE# 1078

DOE- Advanced Speech and Communication

College Credits: 3

Course Description:

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.

Penn# 2341/2343 (Use 3079) †
MATH 136 COLLEGE ALGEBRA / MATH 137 TRIGONOMETRY WITH ANALYTIC GEOMETRY (PAEC)

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: Algebra II and a passing score on the Math Accuplacer or PSAT

This course is weighted on a 4.5 scale.

Weight: 4.5 DOE# 2564/2566
DOE-Pre-Calculus/Trigonometry

College Credits: 6

Course Description:

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.

137 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.

Penn# 2389 †
MATH 136 COLLEGE ALGEBRA (PAEC)

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Algebra II and Geometry

Weight: 4.5 DOE# 2564

DOE-Pre-Calculus

College Credit: 3

COURSE DESCRIPTION:

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, and Systems of equations.

12th GRADE COURSE INFORMATION

Penn# 2346/2369 (Use 3090) †
ENGL 206 INTRODUCTION TO LITERATURE / ENGL 202 CREATIVE WRITING (PAEC)

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisites: ENGL 111/112

Weight: 4.5 DOE# 1124

DOE-Advanced

English/Language Arts

College Credit: 6

Course Description:

ENGL 206 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. ENGL 202 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.

Penn# 2347/2348 †
POLS 101 INTRODUCTION TO AMERICAN GOVERNMENT AND POLITICS (PAEC)

Semesters: 1 Credits: 1

Grade Level: 12

Prerequisites: Demonstrated competency through

appropriate assessment or earning a grade of "C" or better in ENGL 095.


Weight: 4.5 DOE# 1540


DOE- United States Government


College Credit: 3

Course Description:


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.

Penn# 2355/2356 
**BIOL 101 INTRODUCTORY
BIOLOGY (PAEC)**
Semesters: 1 Credits: 1
Grade Level: 12
**Prerequisites: Demonstrated
competency through
appropriate assessment or
earning a grade of "C" or better
in ENGL 095 Integrated Reading
and Writing.**
Weight: 4.5 DOE# 3026
DOE- Biology II
College Credit: 3
COURSE DESCRIPTION:
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.


Penn# 2367 
MATH 135 FINITE MATH (PAEC)
Semesters: 2 Credits: 2
Grade Level: 12
**Prerequisites: MATH 136/MATH
137**
Weight: 4.5 DOE# 2530
DOE-Finite Mathematics
College Credit: 3
Course Description:
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.

Penn# 2353 
MATH 211 CALCULUS I (PAEC)
Semesters: 2 Credits: 2
Grade Level: 12
**Prerequisites: Demonstrated
competency through
appropriate assessment or
successful completion Math 136
College Algebra and Math 137**

**Trigonometry with Analytic
Geometry.**
Weight: 4.5 DOE# 2527
DOE- Calculus
College Credit: 4
Course Description:
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.

Penn#2351/2352 (USE 3087) 
**SPAN 201 SPANISH LEVEL III /
SPAN 202 SPANISH LEVEL IV
(PAEC)**
Semesters: 2 Credits: 2
Grade Level: 12
**Prerequisites: Spanish 102 /201
or demonstrated competency
through appropriate
assessment; demonstrated
earning a grade of "C" or better
in ENGL 095 Integrated Reading
and Writing.**
Weight: 4.5 DOE# 2126
DOE- Spanish IV
College Credit: 6
Course Description: [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.

#2365/2366 
**GENS 279 GENERAL STUDIES
CAPSTONE COURSE (PAEC)**
Semesters: 2 Credits: 2
Grade Level: 12
College Credits: 3
Course Description:
For the Early College Capstone
Project, students will develop a
semester-long multimedia project
guided by an early college staff
member. Students will be
mentored in this endeavor,
culminating in a reflective final
project and presentation at the end
of the semester which highlights
one or multiple aspects of their
education throughout their tenure
in the Early College program at
Penn, as well as potentially
directing them toward their future
path. This course will require both
independent study and class
instruction.

FRESHMAN ACADEMY

Penn# 0301

ENGLISH 9

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 1002

Course Description:

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.

Penn# 0305

ENGLISH 9 HONORS

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 1002

Course Description:

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.

Penn# 0355

DEVELOPMENTAL READING I

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: Test results, teacher referral, and counselor recommendation

Weight: 4.0 DOE# 1120

Course Description:

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.

Penn# 0905

BIOLOGY I

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 3024

Course Description:

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.

Penn# 0907

BIOLOGY I HONORS

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 3024

Course Description:

Students with an A or B in any 8th grade science should take this course. 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.

**Penn# 1105
GEOGRAPHY AND HISTORY OF
THE WORLD**

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 1570

Course Description:

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.

**Penn# 1169
GEOGRAPHY AND HISTORY OF
THE WORLD HONORS**

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 1570

Course Description:

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.

Penn# 0717

ALGEBRA I

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 2520

Course Description:

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.

Penn# 0713

ALGEBRA II HONORS

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: Algebra I and

Geometry

Weight: 4.0 DOE# 2522

Course Description:

Students with an A or B in Algebra and Geometry should take this course.

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.

Penn# 0725

GEOMETRY ACCELERATED

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: Algebra I

Weight: 4.0 DOE# 2532

Course Description:

Students with an A or B in Algebra I should take this course.

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.

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

AP English
Language and
Composition
(315)

or

ACP English 11
Honors/
US History H
Seminar
(320/1179) (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

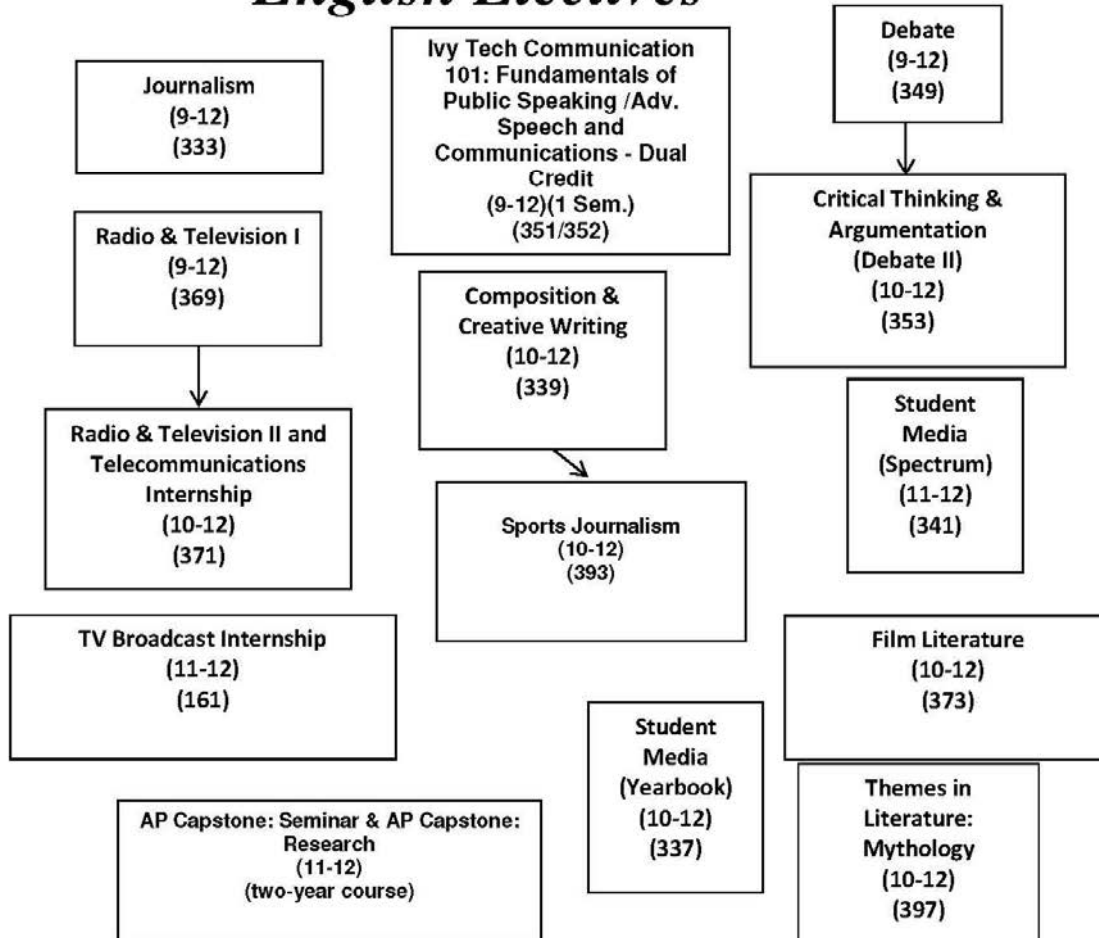
ACP English
Composition
(325)
ACP English
Literature
(326)
(use 3008)

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



ENGLISH

Penn# 0307

ENGLISH 10

Semesters: 2 Credits: 2

Grade Level: 10

Prerequisites: English 9

Weight: 4.0 DOE# 1004

Course Description:

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.

Penn# 0311

ENGLISH 10 HONORS

Semesters: 2 Credits: 2

Grade Level: 10

Prerequisites: English 9

Weight: 4.0 DOE# 1004

Course Description:

English 10 Honors is designed to prepare students for success in future AP classes, as well as success in college and careers in general. This course is fundamentally different 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.

Penn# 0379

DEVELOPMENTAL READING II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Test results, teacher referral, and counselor recommendation

Weight: 4.0 DOE# 1120

Course Description:

This course is intended to support and enhance a student's experience with the Penn High School 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 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 on a positive note.

Penn# 0313

ENGLISH 11

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: English 10

Weight: 4.0 DOE# 1006

Course Description:

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

Penn# 0327/1161 (3067)

AP ENGLISH LANGUAGE & COMPOSITION/

AP US HISTORY SEMINAR

Semesters: 2 Credits: 4

Grade Level: 11

Prerequisite: English 10

Weight: 5.0 DOE# 1056/1562

Course Description:

Enrollment in AP Language/AP U.S. History Seminar signals a decision to begin studying language and history at the college level. Students will receive **2 Credits in AP Lang & 2 Credits in AP US History.** 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.

Penn# 0315**AP ENGLISH LANGUAGE & COMPOSITION****Semesters: 2 Credits: 2****Grade Level: 11****Prerequisites: English 10****Weight: 5.0 DOE# 1056****Course Description:**

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.

Penn# 0320/1179 (use 3086) Ψ**ACP US HISTORY and ENGLISH 11 HONORS SEMINAR****Semesters: 2 Credits: 2****Grade Level: 11****Prerequisite: English 10 AND****meet I.U. admissions****requirements****Weight: 5.0 DOE# 1542/1006****IU- HIST-H 105 American History****I / HIST-H 106 American History****II****College Credits: 6****Course Description:**

This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Students will receive **2 HS Credits in English 11 Honors & 2 HS Credits in ACP US History.** 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.

Penn# 0321**ENGLISH 12****Semesters: 2 Credits: 2****Grade Level: 12****Prerequisite: English 11****Weight: 4.0 DOE# 1008****Course Description:**

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.

Penn# 0398/0399 (use 3082) ♻️

ENGLISH 12: IVY TECH

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: English 11

Weight: 4.5 DOE# 1008

Ivy Tech- ENGL 111 English Composition & 112 Exposition and Persuasion

College Credits: 6

Course Description:

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. ENGL 112 continues the work of 111, emphasizing the persuasion and argumentation aspects of writing.

Penn# 0325/0326 (3008) ♻️

ACP COMPOSITION & LITERATURE

Semesters: 1 or 2 Credits: 1 or 2

Grade Level: 12

Prerequisites: English 11 AND IU admission requirements

Weight: 5.0 DOE# 1124

IU- ENG-W 131 Reading, Writing, & Inquiry I / ENG-L 202 Literary Interpretation

College Credits: 3-6

Course Description:

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.

Penn# 0329

AP ENGLISH LITERATURE & COMPOSITION

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisites: 11th Grade English Course

Weight: 5.0 DOE# 1058

Course Description:

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.

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.

Penn# 0351/0352 ♻️

ADVANCED SPEECH AND COMMUNICATION

Semesters: 1 Credits: 1

Grade Level: 9-12

Weight: 4.5 DOE# 1078

IVY TECH COMM 101

Fundamentals of Public Speaking

College Credit: 3

Course Description:

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.

Penn# 0349

DEBATE

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 1070

Counts as 1 english/language arts credit

Course Description:

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.

Penn# 0353

CRITICAL THINKING AND ARGUMENTATION

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Debate I

Weight: 4.0 DOE# 1074

Counts as an english/language arts credit

Course Description:

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.

Penn# 0333

JOURNALISM

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 1080

Course Description:

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.

Penn# 0337

STUDENT MEDIA- YEARBOOK

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1086

Counts as Fine Arts credits for Academic Honors diploma

Course Description:

This course emphasizes creative and informative writing as well as magazine design techniques. The yearbook class is responsible for the entire production of the school yearbook- a full 300 pages. The course heavily focuses on writing, online page design, business communication, and photography.

Students must be able to self-discipline and attend events such as plays, concerts, dances, athletic events, and academic events. Each student will have their own individual responsibilities; evaluation will be based upon completion of these responsibilities. In order to meet deadlines, some work for select students will continue past the end of the school year by a handful of weeks. Students signing up for this course must also be aware that leaving this course will require a lengthy and strenuous process, so full-year committal is essential. Students will also need to sell advertising space as a part of the curriculum. This course can be taken multiple times.

Penn# 0339/0340 (3093)

CREATIVE WRITING & COMPOSITION

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1092&1090

Course Description:

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.

Penn# 0341

STUDENT MEDIA- SPECTRUM

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Creative Writing and Composition

Weight: 4.0 DOE# 1086

Counts as Fine Arts credits for Academic Honors diploma

Course Description:

Students who have taken Composition/Creative Writing may elect to enroll in Student Media-Spectrum. This course, designed for the serious writing student, continues to focus on the goals of 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 layout, 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. This course can be taken multiple times.

Penn# 0369

RADIO & TELEVISION I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 5986

Course Description:

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.

Penn# 0371

RADIO & TELEVISION II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Radio & TV I and Application

Weight: 4.0 DOE# 5992

Course Description:

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.

Penn# 0373/0374

FILM LITERATURE

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1034

Course Description:

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>.

Penn# 0161

TV BROADCAST INTERNSHIP

Semesters: 2 Credits: 2

Grade Level: 12

Weight: 4.0 DOE# 5974

Course Description:

In this class, students may develop media literacy through instruction and practice, and they engage in all facets of production in the PNN television studio. Students may also participate in a professional internship with local Media companies. 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.

Penn# 0397

THEMES IN LITERATURE-MYTHOLOGY

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: None

Weight: 4.0 DOE# 1048

Course Description:

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.

Penn# 0393

SPORTS JOURNALISM

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: None

Weight: 4.0 DOE# 1080

Course Description:

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.

Penn# 1655

BASIC SKILLS DEVELOPMENT:

ENL STRATEGIES

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: WIDA Scores

Weight: 4.0 DOE# 0500

Course Description:

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

Penn# 1658

ENL - INTERNATIONAL

SEMINAR

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: WIDA Scores

Weight: 4.0 DOE# 1012

Course Description:

Students enrolled in the International Seminar class focus on the active application of language in order to address global issues & problems. Students stay abreast of current world events through weekly readings. They recount, explain, argue and discuss current issues in a seminar format. As a team, these students use mass-media to craft, publish, and distribute new stories about contemporary topics and problems on a PNN mass-media channel.

VISUAL ARTS

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.

Intro to 2-D and 3-D Design
(149/150 use 3051 for full year)
1 or 2 Semester Course
(9-12)

Visual Communications
(183/184) (use 3072)
(9-12)

Art History I & II
(155/156)
(use 3037 to schedule)

Photography
I & II - 141/142 (use 3030)
III & IV - 143/144 (use 3031)
V & VI - 145/146 (use 3032)

Entertainment Design
I&II (171/172) (use 3034)
III&IV (177/178) (use 3073)

AP Art History Seminar w/English
10H
(312/163)
(use 3068 to schedule)

Drawing
I & II - 117/118 (use 3018)
III & IV - 118/120 (use 3019)
V & VI - 121/122 (use 3020)
VII & VIII - 123/124 (use 3021)

Ceramics
I & II - 109/110 (use 3014)
III & IV - 111/112 (use 3015)
V & VI - 113/114 (use 3016)
VII & VIII - 115/116 (use 3017)

Painting
I & II - 101/102 (use 3010)
III & IV - 103/104 (use 3011)
V & VI - 105/106 (use 3012)
VII & VIII - 107/108 (use 3013)

Graphic Design
I & II - 133/134 (use 3026)
III & IV - 135/136 (use 3027)
V & VI - 137/138 (use 3028)
VII & VIII - 139/140 (use 3029)
Graphic Design Internship (139) full year

Sculpture
I & II - 125/126 (use 3022)
III & IV - 127/128 (use 3023)
V & VI - 129/130 (use 3024)
VII & VIII - 131/132 (use 3025)

Studio Art
Adv. 2D Art - 151/152 (use 3035)(11)
AP 2D I & II - 153/154 (use 3036)(12)
AP 2D Photography - 173/174 (use 3070)(12)
Adv. 3D Art - 157/158 (use 3049)(11)
AP 3D Design- 175 (12)

Portfolio Exit Project
(169)
(1Sem.)

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

Penn# 0149 (3051)

INTRODUCTION TO TWO-DIMENSIONAL ART

Semester: 1 Credit: 1

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4000

Course Description:

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.

Penn# 0150 (3051)

INTRODUCTION TO THREE-DIMENSIONAL ART

Semester: 1 Credit: 1

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4002

Course Description:

Students who have previously received credit in ceramics or sculpture can not take this course. This course is not intended for students with previous credit in ceramics or sculpture. 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.

Penn# 0109/0110 (3014)

CERAMICS I & II

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4040

Course Description:

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.

Penn# 0111/0112 (3015)

CERAMICS III & IV

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Ceramics I-II

Weight: 4.0 DOE# 4040

Course Description:

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 non functional and functional ware.

Penn# 0113/0114 (3016)

CERAMICS V & VI

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Ceramics III-IV

Weight: 4.0 DOE# 4040

Course Description:

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.

Penn# 0115/0116 (3017)

CERAMICS VII & VIII

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Ceramics V-VI

Weight: 4.0 DOE# 4040

Course Description:

Ceramic students participating in this class are urged to create high quality artwork to be put into their portfolio. This class is designed for a student who wants to research a variety of techniques beyond previous levels to develop a personal concentration in their own style of artwork.

Penn# 0117/0118 (3018)

DRAWING I & II

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4060

Course Description:

Intro to 2-D or 3-D Art is recommended. 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.

Penn# 0119/0120 (3019)

DRAWING III & IV

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Drawing I & II

Weight: 4.0 DOE# 4060

Course Description:

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.

Penn# 0121/0122 (3020)

DRAWING V & VI

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Drawing III & IV

Weight: 4.0 DOE# 4060

Course Description:

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.

Penn# 0183/0184 (3072)

VISUAL COMMUNICATION

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4086

Course Description:

This class is to prepare students for the Entertainment Design and/or Graphic Design course trees offered here at Penn, covering the core the fundamentals in both. Each course tree will have its own semester's focus. Note-taking, problem-solving, time management, and critical thinking skills will be put to use. *Entertainment Design semester.* Students will learn the core fundamentals used by artists to create from the imagination alone. This includes 2-point perspective, form building, and lighting volume. The majority of the semester will be traditional (on paper) and ending using Adobe Photoshop for digital painting. *Graphic Design semester.* Students will work traditionally (on paper), learning how to visually communicate with type, form language, silhouette and visual pun. Students will also learn the process designers use to solve design problems, how composition works, and basic color theory.

Penn# 0133/0134 (3026)

GRAPHIC DESIGN I & II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Visual

Communication OR 2D portfolio review

Weight: 4.0 DOE# 4086

Course Description:

Graphic Design is a commercial art field where visuals are used to solve "design problems" and to communicate to a mass audience. Thinking is made visual! Graphic designers create products for clients such as movie posters, currency, signage, business logos, web graphics, promotional materials, t-shirt designs, billboards, cereal boxes, DVD/CD cases, and anything else you see on a shelf! Students will operate in a professional studio setting with an emphasis on applying design theory, problem-solving, critical thinking, and marketing. Students will use hands-on drawing mediums and design on the computer with Adobe Photoshop/Illustrator!

Penn# 0135/0136 (3027)

GRAPHIC DESIGN III & IV

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Graphic Design I & II

Weight: 4.0 DOE# 4086

Course Description:

Second year students will operate as a community workhorse designing real-world products for *real clients*. Client work includes in-house and community needs. Many projects are individual while others are class-wide and competitive. Students will work directly with clients demonstrating professionalism through: Face to face interviews, following client briefs, meeting and exceeding client needs, adjusting products based on client feedback, meeting deadlines, and applying training in a professional lab setting.

Penn# 0137/0138 (3028)
GRAPHIC DESIGN V & VI
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Graphic Design III & IV
Weight: 4.0 DOE# 4086
Course Description:

Third year students will operate as a community workhorse designing real-world products for *real clients*. Client work includes in-house and community needs. Many projects are individual while others are class-wide and competitive. Students will work directly with clients demonstrating professionalism through: Face to face interviews, following client briefs, meeting and exceeding client needs, adjusting products based on client feedback, meeting deadlines, and applying training in a professional lab setting.

Penn# 0139
GRAPHIC DESIGN INTERNSHIP
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisites: Approval of Instructor
Weight: 4.0 DOE# 5974
Course Description:

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.

Penn# 0141/0142 (3030)
PHOTOGRAPHY I & II
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: None
Weight: 4.0 DOE# 4062
Course Description:
Intro to 2-D or 3-D Art recommended. Student must have access to a 35mm SLR manual camera. 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.

Penn# 0143/0144 (3031)
PHOTOGRAPHY III & IV
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Photography I & II
Weight: 4.0 DOE# 4062
Course Description:
Students must have access to a digital camera along with their 35mm manual camera. 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.

Penn# 0173
AP STUDIO ART:
PHOTOGRAPHY
Semesters: 2 Credits: 2
Grade Level: 12

Prerequisite: Photography III & IV
Weight: 5.0 DOE# 4050
Course Description:
Students will further explore the world of digital photography creating portfolio quality works and gaining essential photoshop 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
Penn# 0101/0102 (3010)
PAINTING I & II
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: None
Weight: 4.0 DOE# 4064
Course Description:

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

Penn# 0103/0104 (3011)
PAINTING III & IV
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Painting I & II
Weight: 4.0 DOE# 4064

Course Description:
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.

Penn# 0105/0106 (3012)
PAINTING V & VI
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Painting III & IV
Weight: 4.0 DOE# 4064

Course Description:
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.

Penn# 0125/0126 (3022)
SCULPTURE I & II
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: None
Weight: 4.0 DOE# 4044

Course Description:
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, foam board, wire, plaster, found objects, paper mache', etc.

Penn# 0127/0128 (3023)
SCULPTURE III & IV
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Sculpture I & II
Weight: 4.0 DOE# 4044

Course Description:
Application, and 2nd semester enrollment required. 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.

Penn# 0129/0130 (3024)
SCULPTURE V & VI
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Sculpture III & IV
Weight: 4.0 DOE# 4044

Course Description:
Application, and 2nd semester enrollment required. 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...

Penn# 0131/0132 (3025)
SCULPTURE VII & VIII
Semesters: 2 Credits: 2
Grade Level: 12

Prerequisite: Sculpture V & VI
Weight: 4.0 DOE# 4044

Course Description:
Application, and 2nd semester enrollment required. This course is an advanced study of sculpture principles and techniques emphasizing advanced materials, tools, and sculpting methods.

Penn# 0155/0156 (3037)
ART HISTORY & ADVANCED ART HISTORY
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Intro to 2-D or 3-D Art recommended.
Weight: 4.0 DOE# 4024 & 4020

Course Description:
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.

Penn# 0165
AP ART HISTORY
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: None
Weight: 5.0 DOE# 4025
This course is weighted on a 5.0 scale.

Course Description:
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.

**Penn# 0167
PRINTMAKING**

**Semesters: 1 Credits: 1
Grade Level: 10-12**

**Prerequisites: Drawing I & II OR
Graphic Design I & II OR
Introduction to 2D & 3D Art**

Weight: 4.0 DOE# 4066

Course Description:

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.

Penn# 0151/0152 (3035)

**ADVANCED TWO-
DIMENSIONAL ART**

**Semesters: 2 Credits: 2
Grade Level: 11**

Prerequisite: None

Weight: 4.0 DOE# 4004

Course Description:

**Drawing, Painting, Computer
Illustration & Graphics.**

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

Penn# 0153

AP STUDIO ART: DRAWING

**Semesters: 2 Credits: 2
Grade Level: 12**

**Prerequisites: Advanced Two-
Dimensional Art OR Drawing V
& VI**

Weight: 5.0 DOE# 4048

Course Description:

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

Penn# 0154

AP STUDIO ART: PAINTING

**Semesters: 2 Credits: 2
Grade Level: 12**

**Prerequisites: Advanced Two-
Dimensional Art OR Painting V
& VI**

Weight: 5.0 DOE# 4050

Course Description:

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

Penn# 0157/0158 (3049)

ADVANCED THREE-DIMENSIONAL ART

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: 2 years of ceramics OR sculpture, OR approval of instructor

Weight: 4.0 DOE# 4006

Course Description:

Ceramics or Sculpture. 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

Penn# 0175

AP STUDIO ART 3-D DESIGN

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisites: Advanced Three-Dimensional Art

Weight: 5.0 DOE# 4052

Course Description:

Ceramics or Sculpture. 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

Penn# 0171/0172 (3034)

ENTERTAINMENT DESIGN I & II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Visual Communication OR 2D portfolio review

Weight: 4.0 DOE# 4082

Course Description:

With the intro class under your belt you are now ready! Entertainment Design I covers content reserved mainly for trade schools and colleges and is unofficially classified as *intensive*, like an AP course. You'll begin solving design problems like a concept artist/engineer! We will be designing creatures, environments, props, and characters all digitally in Adobe Photoshop using digital painting. As a designer you'll learn the process of visual research, how to incorporate biology/anatomy for original creature design, the ideation process of exploring solutions to solving design problems, designing

with form language and silhouette and working with an efficient workflow. All projects are simulated as if from a client and your job is to deliver what the client wants within a deadline. Students will use also learn advanced rendering skills such as sub-surface scattering, ambient occlusion, and hard/soft surface material rendering.

Penn# 0177/0178 (3073)
ENTERTAINMENT DESIGN III & IV Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Entertainment Design I & II
Weight: 4.0 DOE# 4082
Course Description:

This class expands upon the skill set learned during Year 1, focusing more on Design. A variety of additional digital methods and creative methods will be explored under the theme of "World Building." Linear perspective will expand to cut-away set design. Environment designs will include time/seasonal variations. Form building will expand to material re-skin and anatomical functionality studies. Vehicle/mecha designs will attempt to solve real-world problems. Second semester will finally summarize everything you've learned in the form of a full re-design of an existing novel or short story. Students will have amassed a strong portfolio of college-grade work and will have the introductory training necessary for transition into art/trade schools supporting the entertainment industry.

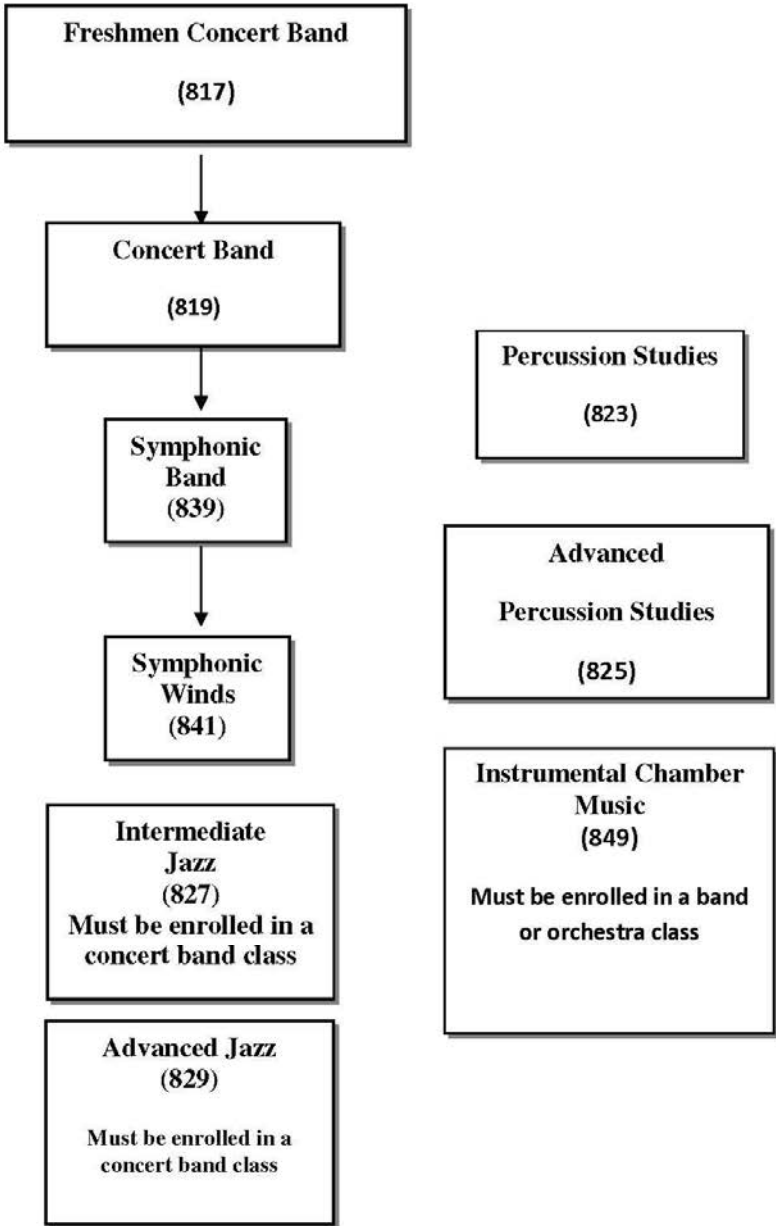
Penn# 0169
PORTFOLIO EXIT PROJECT
Semesters: 1 Credits: 1
Grade Level: 11-12
Prerequisite: Teacher Approval
Weight: 4.0 DOE# 4004
Course Description:

Junior or Senior art students who wish to pursue visual art as a career choice in college, are encouraged 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.

Penn# 0800
FINE ARTS CONNECTIONS
CAPSTONE
Semesters: 2 Credits: 2
Grade Level: 12
Weight: 4.0 DOE# 4026
Course Description:

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 or recital 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



BAND

All band courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors. Attendance at concert performances is required.

Penn# 0817

INTERMEDIATE CONCERT BAND

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: Successful completion of middle school band

Weight: 4.0 DOE# 4168

Course Description:

Freshman Concert Band. 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.

Penn# 0819

INTERMEDIATE CONCERT BAND

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Any PHM band course

Weight: 4.0 DOE# 4168

Course Description:

Concert Band. 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.

Penn# 0839

ADVANCED CONCERT BAND

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Audition

Weight: 4.0 DOE# 4170

Course Description:

Symphonic Band. 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.

Penn# 0841

ADVANCED CONCERT BAND

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Audition

Weight: 4.5 DOE# 4170

Course Description:

Symphonic Winds. 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.

Penn# 0823

PERCUSSION STUDIES

Semesters: 2 Credits: 2

Grade Level: 9-12

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

Weight: 4.0 DOE# 4162

Course Description:

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.

Penn# 0825

ADVANCED PERCUSSION STUDIES

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Audition

Weight: 4.5 DOE# 4162

Course Description:

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.

Penn# 0827

INTERMEDIATE JAZZ ENSEMBLE

Semesters: 2 Credits: 2

Grade Level: 9-12

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

Weight: 4.0 DOE# 4164

Course Description:

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.

Penn# 0829

ADVANCED JAZZ ENSEMBLE

Semesters: 2 Credits: 2

Grade Level: 10-12

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

Weight: 4.5 DOE# 4164

Course Description:

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.

Penn# 0849

INSTRUMENTAL CHAMBER MUSIC

Semesters: 2 Credits: 2

Grade Level: 10-12

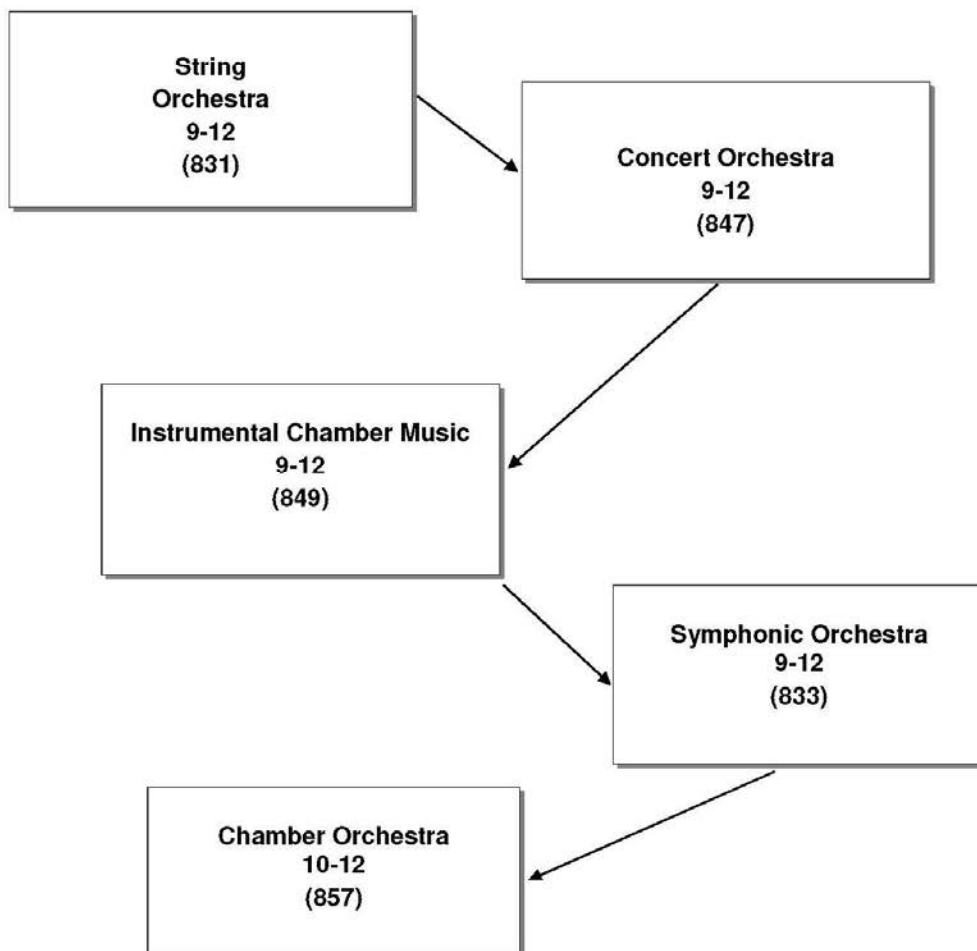
Prerequisite: Audition

Weight: 4.0 DOE# 4162

Course Description:

Emphasis is placed on tone, instrument and bow technique development, sight-reading, and advanced performance techniques. Participation in ISSMA Solo & Ensemble contest is highly encouraged as these activities develop elements of musicianship. Serious string and full orchestra literature is selected from a variety of periods in music history. Students will have opportunities to experience live performances by professional musicians during and outside of the school day. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students will participate in performance opportunities outside of the school day that support and extend learning in the classroom. Students must perform with expression and technical accuracy on a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music and music performances are included. Students are required to attend regularly scheduled evening rehearsals, as well as extra rehearsals, which are designed to insure musically successful performances. Private lessons are strongly encouraged for successful participation in this ensemble. 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.

**Orchestra
Sequence**



ORCHESTRA

All orchestra courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors. Attendance at concert performances is required.

Penn# 0831

STRING ORCHESTRA

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Successful completion of middle school orchestra

Weight: 4.0 DOE# 4172

Course Description:

String Orchestra is for 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 as these activities develop elements of musicianship. Music is selected from classical, popular, folk, and new string literature. Private lessons are highly encouraged. A limited number of public performances serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day; these support and extend learning in the classroom. Students must perform, with expression and technical accuracy, a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music and music performances are included.

Penn# 0847

CONCERT ORCHESTRA

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Audition

Weight: 4.0 DOE# 4172

Course Description:

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 as these activities develop elements of musicianship. Music is selected from classical, popular, folk, and new string literature. Private lessons are highly encouraged. A limited number of public performances serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day; these support and extend learning in the classroom. Students must perform, with expression and technical accuracy, a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music and music performances are included.

Penn# 0857

INSTRUMENTAL ENSEMBLE

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Audition

Weight: 4.0 DOE# 4162

Course Description:

Chamber Orchestra. This orchestra performs a wide variety of string classical, popular, and small ensemble chamber music. Emphasis is placed on developing advanced skills and musicianship. Members are chosen by audition, and are encouraged to participate in the ISSMA Solo & Ensemble Contest, ASTA All-State Orchestra, private lessons and the South Bend Youth Symphony. Select members of this ensemble will be invited to join the Full Orchestra for its Spring Concert Cycle, which would include Monday Night Rehearsals from February through April.

Penn# 0833

SYMPHONIC ORCHESTRA

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Audition

Weight: 4.5 DOE# 4174

Course Description:

This advanced orchestra class is available by audition to string musicians at an upper intermediate to advanced level. Emphasis is placed on tone, instrument and bow technique development, sight-reading, and advanced performance techniques. Participation in ISSMA Solo & Ensemble contest is highly encouraged as these activities develop elements of musicianship. Serious string and full orchestra literature is selected from a variety of periods in music history. Students will have opportunities to experience live performances by professional musicians during and outside of the school day. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students will participate in performance opportunities outside of the school day that support and extend learning in the classroom. Students must perform with expression and technical accuracy on a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music and music performances are included. The Symphonic Orchestra will participate in Concert Tours, Festivals, and the ISSMA State and District Contests. Students are required to attend regularly scheduled evening rehearsals, as well as extra rehearsals, which are designed to insure musically successful performances. Private lessons are strongly encouraged for successful participation in this ensemble.

Elective Music

Music Theory and Composition
(10-11-12)
815

Music Technology I & II
(10-11-12)
(843/844) (use 3038)

AP Music Theory
(11-12)
845

ELECTIVE MUSIC

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

Penn# 0843/0844 (3038)
MUSIC TECHNOLOGY I & II
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: None
Weight: 4.0 DOE# 4202

Course Description:

Piano keyboard experience is helpful, but not necessary. 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.

Penn# 0815
MUSIC THEORY AND COMPOSITION
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Basic music reading and notation skill.
Weight: 4.0 DOE# 4208

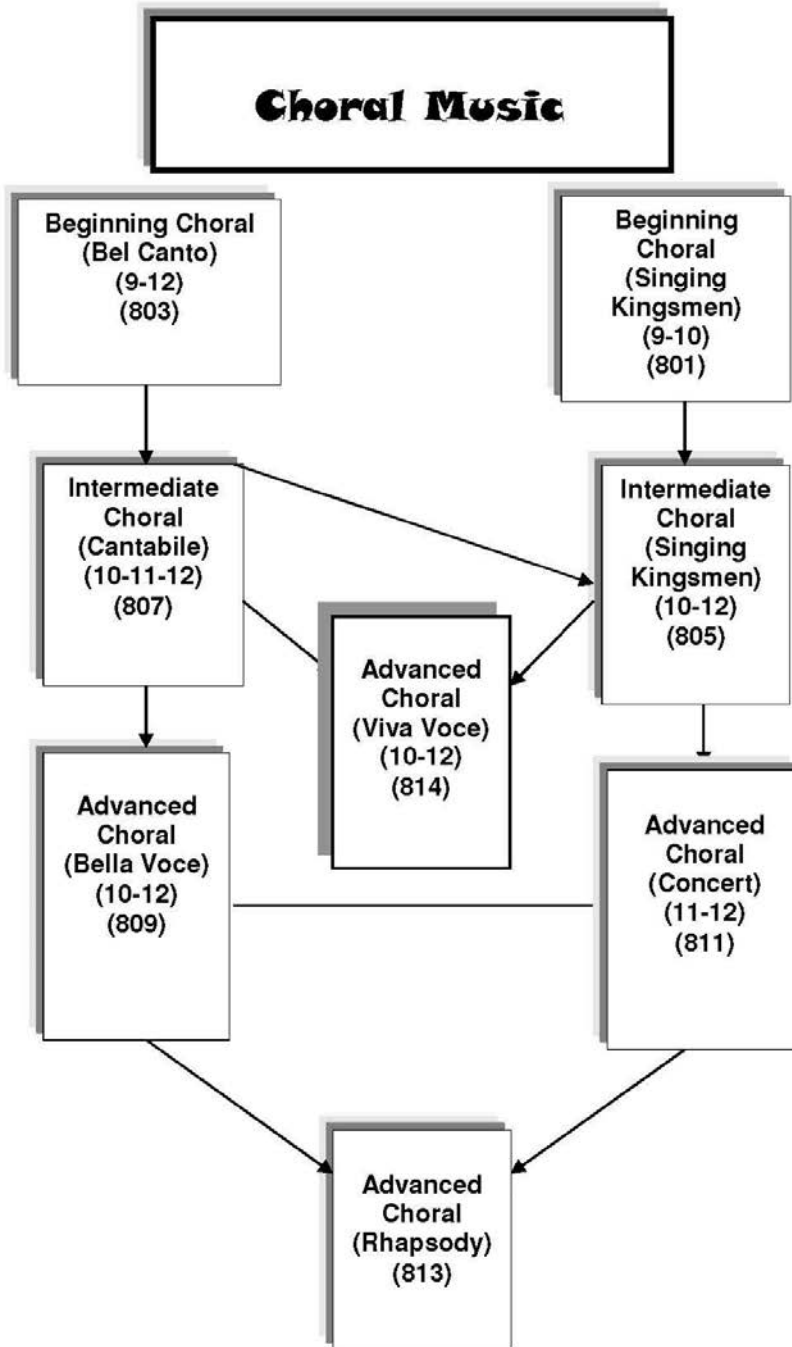
Course Description:

This course is a study of the elements in music including aural and visual concepts in notation. Students study the structure of music and the underlying elements of how music works. All this information is applied through music composition or writing. Computers and software are utilized in this classroom.

Penn# 0845
AP MUSIC THEORY
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Music Theory I & II or pass the Final Exam for Music Theory I & II
Weight: 5.0 DOE# 4210

Course Description:

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

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

Attendance at concert performances is required.

Penn# 0801

BEGINNING CHORAL

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4182

Course Description:

Singing Kingsmen. 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.

Penn# 0803

BEGINNING CHORAL

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4182

Course Description:

Bel Canto Chorus. 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.

Penn# 0805

INTERMEDIATE CHORAL

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Beginning Chorus-Singing Kingsmen or

permission of instructor

Weight: 4.0 DOE# 4186

Course Description:

Singing Kingsmen. 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. Student must supply own performance shirt and shoes.

Penn# 0807

INTERMEDIATE CHORAL

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Beginning Chorus or permission of instructor

Weight: 4.0 DOE# 4186

Course Description:

Cantabile Chorus. 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.

Penn# 0809

ADVANCED CHORAL

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Audition

Weight: 4.5 DOE# 4188

Course Description:

Bella Voce. 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.

Penn# 0811

ADVANCED CHORAL

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Audition

Weight: 4.5 DOE# 4188

Course Description:

Concert Choir. 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.

Penn# 0813

ADVANCED CHORAL

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Audition AND enrollment in Bella Voce or Concert Choir

Weight: 4.0 DOE# 4180

Course Description:

Rhapsody. 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.

Penn# 0814

ADVANCED CHORAL

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Audition AND enrollment in Singing

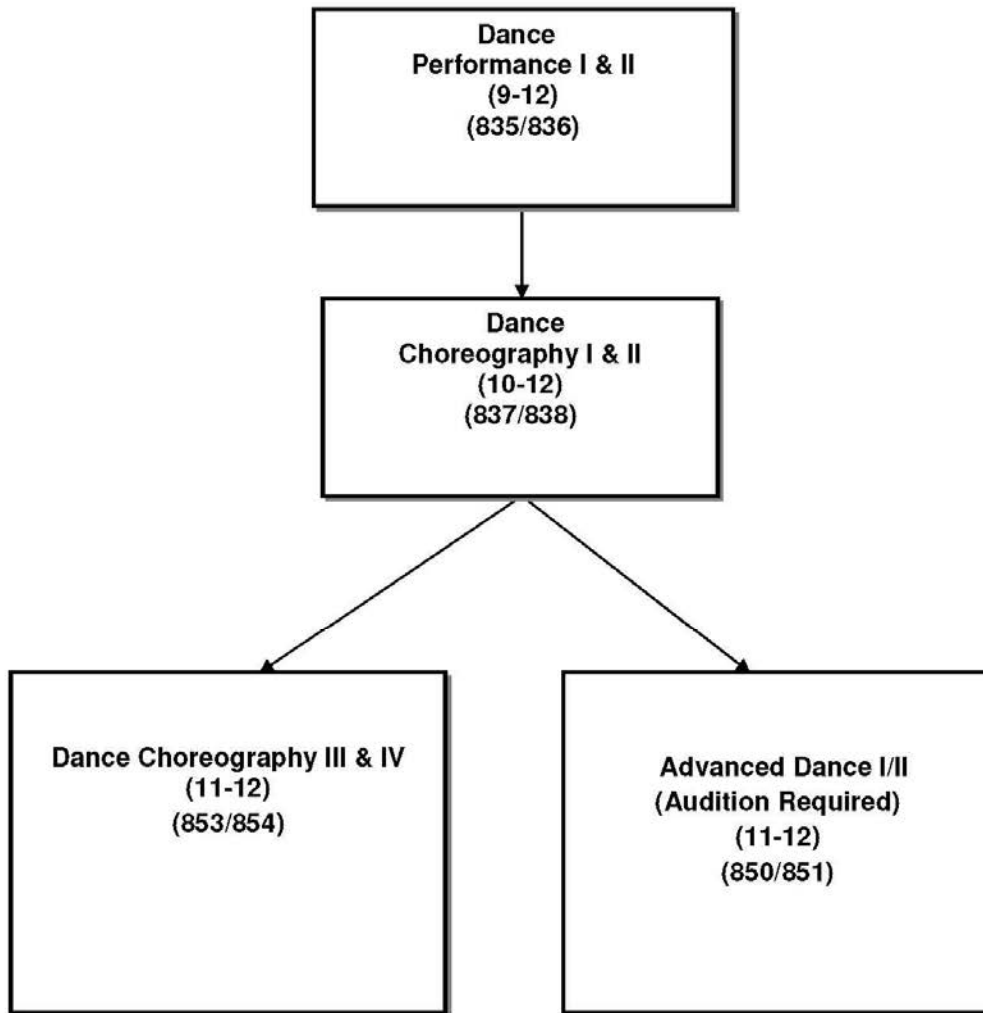
Kingsmen, Bel Canto Chorus, Cantabile, or Bella Voce

Weight: 4.0 DOE# 4180

Course Description:

VIVA VOCE. This advanced-level choir is a group of 24-36 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.

DANCE



DANCE

All dance courses meet the Fine Arts requirement of the Core 40 Diploma with Academic Honors. Attendance at concert performances is required.

Penn# 0835/0836 (3044)

DANCE PERFORMANCE I & II

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4146

Course Description:

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. Student must supply own dance apparel and shoes.

Penn# 0837/0838(3045)

DANCE CHOREOGRAPHY I & II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Dance

Performance I & II

Weight: 4.0 DOE# 4142

Course Description:

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. Student must supply own dance apparel and shoes.

Penn# 0853/0854 (3069)

DANCE CHOREOGRAPHY III & IV

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Dance

Choreography I & II

Weight: 4.0 DOE# 4142

Course Description:

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. Student must supply own dance apparel and shoes.

Penn# 0850/0851(3056)

ADVANCED DANCE I & II

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Dance

Choreography I & II AND

Audition

Weight: 4.0 DOE# 4146

Course Description:

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. Student must supply own dance apparel and shoes.

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

Penn# 0343/0344 (3041)

THEATRE ARTS I & II

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4242

Course Description:

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.

Penn# 0345/0346 (3042)

ADVANCED

THEATRE ARTS I & II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Theatre Arts I & II

Weight: 4.0 DOE# 4240

Course Description:

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.

Penn# 0383/0384 (3052)

ADVANCED ACTING I & II

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Advanced

Theater Arts I & II

Weight: 4.0 DOE# 4250

Course Description:

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.

Penn# 0347/0348 (3043)

TECHNICAL THEATRE I & II

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4244

Course Description:

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.

Penn# 0381/0382 (3047)

ADVANCED TECHNICAL

THEATER I & II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Technical Theatre I & II

Weight: 4.0 DOE# 4252

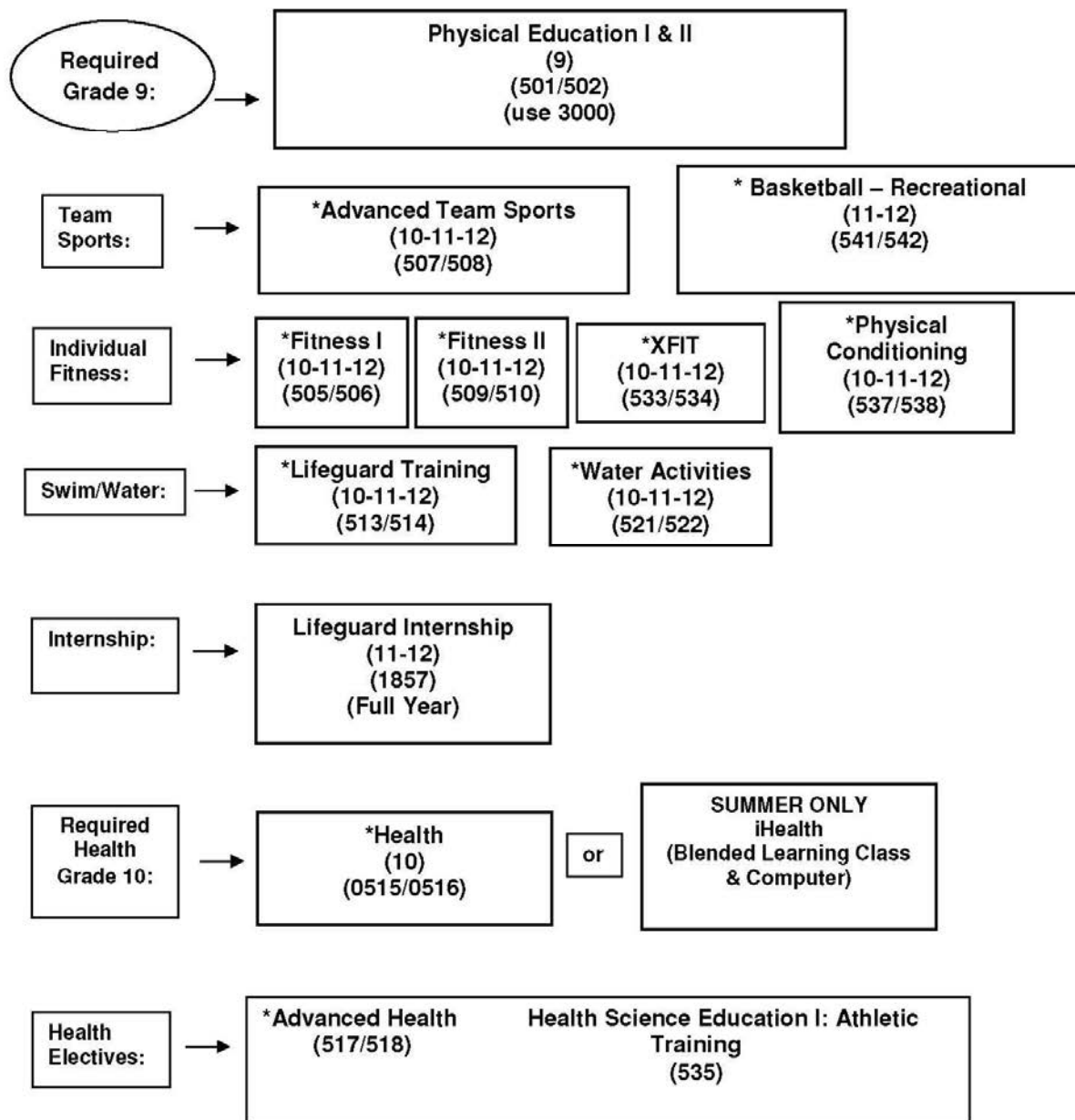
Course Description:

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

*Single Semester Course



PHYSICAL EDUCATION & HEALTH DEVELOPMENT

FITNESS:

Mind~Body~Academics

PHYSICAL EDUCATION (9)

**Penn# (0501/0502) 3000
PHYSICAL EDUCATION I & II
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisite: None
Weight: 4.0 DOE# 3542 &
3544)**

Course Description:

Required attire: Gold shirt & Black shorts. 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.

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.

**Penn# 0537/0538 (for credit)
0551/0552 (for no credit)
0525/0526 ("0"Hour)
0529/0530 (Football
players)**

PHYSICAL CONDITIONING

**Semesters: 1 Credits: 1
Grade Level: 10-12 (during the
school day) and 9 (zero hour)
Prerequisite: Desire to tryout
and/or participate on a Penn
athletic team**

Weight: 4.0 DOE# 3560

Course Description:

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.

Penn# 0505/0506

FITNESS I

**Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: B or better in
Physical Education I & II OR
teacher approval**

Weight: 4.0 DOE# 3560

Course Description:

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.

Penn# 0509/0510

FITNESS II

**Semesters: 1 Credits: 1
Grade Level: 11-12
Prerequisite: B or better in
Fitness I OR teacher approval
Weight: 4.0 DOE# 3560**

Course Description:

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

Penn# 0533/0534

XFIT

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisites: B or better in Physical Education I & II OR teacher approval

Weight: 4.0 DOE# 3560

Course Description:

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.

Application must be filled out and approved by teacher in order to take XFit twice.

Penn# 0513/0514

LIFEGUARD TRAINING

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: B or better in Physical Education I & II AND Pass Swim Test

Weight: 4.0 DOE# 3560

Course Description:

Swim Test consists of: 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 feet of water; resurface; and swim 5 yds to the

side of pool. 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.

Penn# 1857

PENN LIFEGUARD INTERNSHIP

Semesters: 2 Credits: 2

Grade Level: 11-12

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

Weight: 4.0 DOE# 5974

Course Description:

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.

Penn# 0521/0522

WATER ACTIVITIES

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: Physical Education I & II AND Pass Swim test OR Case Conference Committee recommendation

Weight: 4.0 DOE# 3560

Course Description:

Swim Test includes: 4 laps of pool, Tread water for 5 minutes,

Comfortable swimming in deep water for long periods of time. 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.

Penn# 0507/0508 (Coed)

0547/0548 (Girls)

ADVANCED TEAM SPORTS

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: Physical Education I & II

Weight: 4.0 DOE# 3560

Course Description:

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 female section as well as the coed option.**

Penn# 0541/0542

BASKETBALL-Recreational

Semesters: 1 Credits: 1

Grade Level: 11-12

Prerequisite: B or better in Physical Education I & II OR teacher approval

Weight: 4.0 DOE# 3560

Course Description:

This one semester course is designed to meet the fitness needs of both boys and girls 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. Course can only be taken one time each semester.

HEALTH

Penn# 0515/0516 HEALTH & WELLNESS EDUCATION

Semesters: 1 Credits: 1

Grade Level: 10

Prerequisite: None

Weight: 4.0 DOE# 3506

Course Description:

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.

Penn# 0517/0518 ADVANCED HEALTH EDUCATION

Semesters: 1 Credits: 1

Grade Level: 10-12

**Prerequisite: Health & Wellness
Education**

Weight: 4.0 DOE# 3500

Course Description:

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.

Penn# 0535 HEALTH SCIENCE EDUCATION I: Athletic Training

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: None

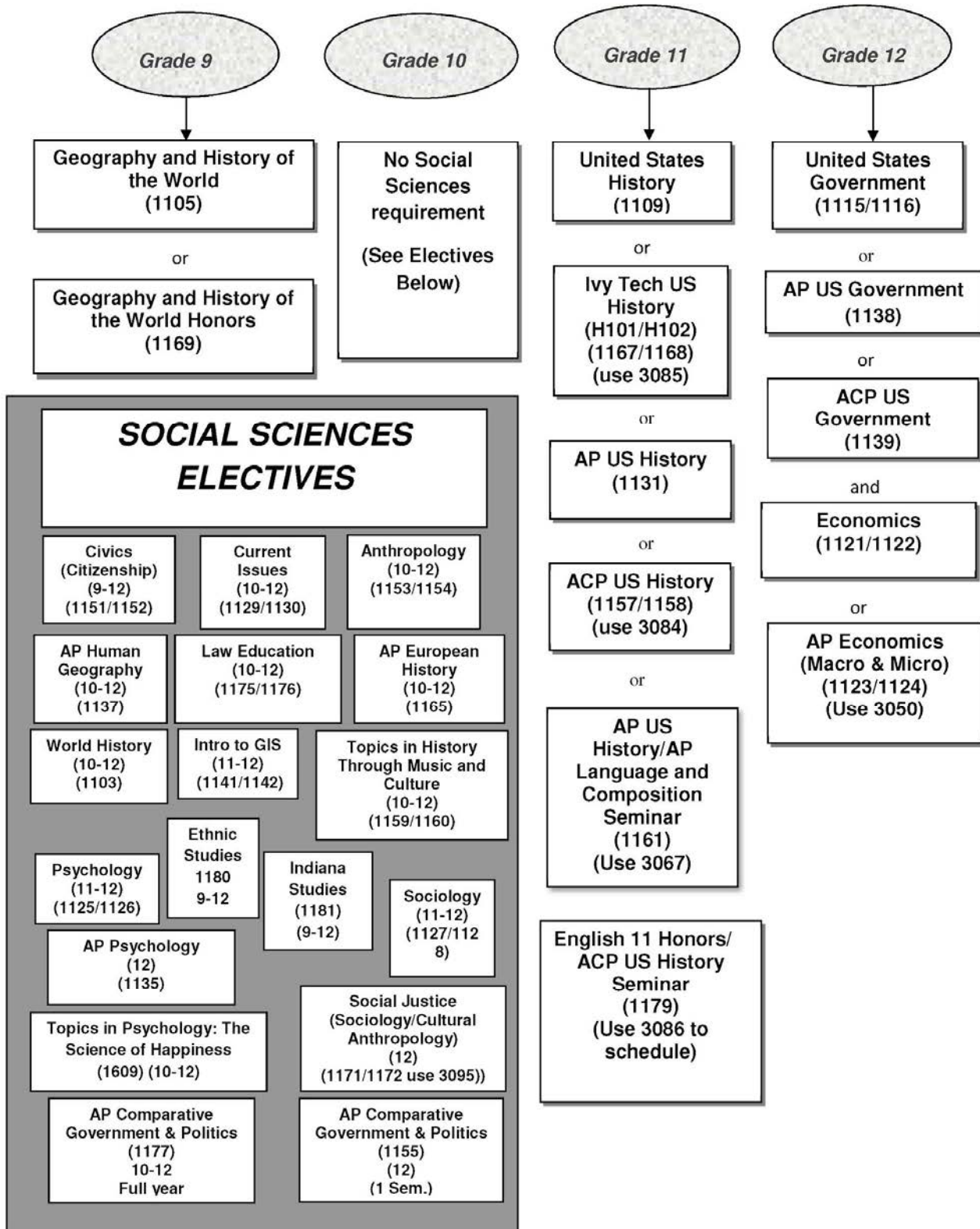
Weight: 4.0 DOE# 5282

Course Description:

Physical Therapy/Athletic Training. Health Science Education 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.

SOCIAL SCIENCES



SOCIAL SCIENCES

Penn# 1137

AP HUMAN GEOGRAPHY

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Geography and History of the World

Weight: 5.0 DOE# 1572

Course Description:

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.

Penn# 1103

WORLD HISTORY AND CIVILIZATION

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1548

Course Description:

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.

Penn# 1165

AP EUROPEAN HISTORY

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Geography and History of the World

Weight: 5.0 DOE# 1556

Course Description:

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.

Penn# 1109

U.S. HISTORY

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: None

Weight: 4.0 DOE# 1542

Course Description:

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.

Penn# 1131

AP U.S. HISTORY

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: None

Weight: 5.0 DOE# 1562

Course Description:

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.

Penn# 1157/1158 (use 3084)

ACP U.S. HISTORY

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: Must meet I.U. admissions requirement

Weight: 5.0 DOE# 1542

IU- HIST-H 105 American History I / HIST-H 106 American History II

College Credits: 6

Course Description:

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. 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.

Penn# 0320/1179 (use 3086) Ψ
ACP US HISTORY and ENGLISH
11 HONORS SEMINAR

Semesters: 2 Credits: 4

Grade Level: 11

Prerequisite: English 10 AND
meet I.U. admissions
requirements

6 college credits

Weight: 5.0 DOE# 1542/1006
IU- HIST-H 105 American History
I / HIST-H 106 American History I
Course Description:

This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Students will receive **2 HS Credits in English 11 Honors & 2 HS Credits in ACP US History**. 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.

Penn# 1141/1142
INTRODUCTION TO GIS
Semesters: 1 Credits: 1
Grade Level: 11-12

Prerequisite: AP Human
Geography

Weight: 4.0 DOE# 1550

Course Description:

GIS- GEOGRAPHIC
INFORMATION SYSTEMS. 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.

Penn# 1167/1168 (use 3085) †
IVY TECH U.S. HISTORY

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: None

Weight: 4.5 DOE# 1542

HIST 101 Survey of American
History I / HIST 102 Survey of
American History II

College Credits: 6

Course Description:

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.

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

Semesters: 2 Credits: 4

Grade Level: 11

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

Weight: 5.0 DOE# 1562/1056

Course Description:

Students will receive **2 HS Credits in US History & 2 HS Credits in English**. 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.

**Penn# 1115 or 1116
U.S. GOVERNMENT**

Semesters: 1 Credits: 1

Grade Level: 12

Prerequisite: None

Weight: 4.0 DOE# 1540

Course Description:

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.

Penn# 1138

**AP U.S. GOVERNMENT &
POLITICS**

Semesters: 1 (2nd sem. only)

Credits: 1

Grade Level: 12

Prerequisite: None

Weight: 5.0 DOE# 1560

Course Description:

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.

Penn# 1139 Ψ

ACP POLITICAL SCIENCE

**IU- POLS-Y 103 Introduction to
American Politics**

Semesters: 1 Credits: 1

Grade Level: 12

**Prerequisite: Meet IU admission
requirements**

College credits: 3

Weight: 5.0 DOE# 1540

Course Description:

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. Students 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.

Penn# 1121 or 1122 📍

ECONOMICS

Semesters: 1 Credits: 1

Grade Level: 12

Prerequisite: None

Weight: 4.0 DOE# 1514

Course Description:

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.

Penn# 1123/1124 (3050) 📍

AP MACRO & MICRO ECONOMICS

Semesters: 2 Credits: 2

Grade Level: 11-12

Weight: 5.0 DOE# 1564/1566

Course Description:

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. There are two AP tests associated with this course.

Penn# 1125/1126

PSYCHOLOGY

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1532

Course Description:

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.

Penn# 1127/1128

SOCIOLOGY

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1534

Course Description:

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.

Penn# 1609

TOPICS in PSYCHOLOGY: The SCIENCE of HAPPINESS

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 0514

Course Description:

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# 1153/1154
ANTHROPOLOGY
Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: None
Weight: 4.0 DOE# 1502
Course Description:

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.

Penn# 1180
ETHNIC STUDIES
Semesters: 1 Credits: 1
Grade Level: 9-12
Prerequisites: None
Weight: 4.0 DOE# 1516
Course Description:

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups,

or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include analysis of the political impact of ethnic diversity in the United States.

Penn# 1181
INDIANA STUDIES
Semesters: 1 Credits: 1
Grade Level: 9-12
Prerequisites: None
Weight: 4.0 DOE# 1518
Course Description:

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and student will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

HEALTH & HUMAN SERVICES ACADEMY

CAPSTONE COURSE:

Penn# 1171/1172 (3095)
SOCIAL JUSTICE
Semesters: 2 Credits: 2
Grade Level: 12

Prerequisites: None
Weight: 4.0 DOE# 1534/1502
Course Description:

Students will receive **1 HS Credit in Sociology & 1 HS Credit in Anthropology**. 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.

Penn# 1151/1152
CITIZENSHIP AND CIVICS
Semesters: 1 Credits: 1
Grade Level: 9-12
Prerequisites: None
Weight: 4.0 DOE# 1508
Course Description:

Citizenship & Civics 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.

Penn# 1135

AP PSYCHOLOGY

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: None

Weight: 5.0 DOE# 1558

Course Description:

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.

Penn# 1129/1130

CURRENT PROBLEMS, ISSUES, AND EVENTS

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1512

Course Description:

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.

Penn# 1155

AP COMPARATIVE GOVERNMENT & POLITICS

Semesters: 1 (2nd Sem. only)

Credits: 1

Grade Level: 12

Prerequisite: None

Weight: 5.0 DOE# 1552

Course Description:

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.

Penn# 1159

TOPICS IN HISTORY THROUGH MUSIC & CULTURE

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1538

Course Description:

It is the purpose of this course to analyze and describe events, leaders, and movements of the United States. This course will have special emphasis on causes and interpretations of the periods of national crisis and war followed by reconstruction. This course will also examine different perspectives of history through various musicians and songs and the influence on culture. *Note: This is an elective course and does not fulfill your U.S. History requirement.*

Penn# 1160

TOPICS IN HISTORY THROUGH MUSIC & CULTURE

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1538

Course Description:

It is the purpose of this course to analyze and describe events, leaders, and movements of the United States. This course will have special emphasis on causes and interpretations of the periods of national crisis and war followed by reconstruction. This course will also examine different perspectives of history through various musicians and songs and the influence on culture. *Note: This*

is an elective course and does not fulfill your U.S. History requirement.

Penn# 1175/1176

LAW EDUCATION

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 1526

Course Description:

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.

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. This course does not fulfill US Gov't requirement.

Penn# 1177

AP COMPARATIVE GOVERNMENT & POLITICS

2 Semesters 2 Credits

Grades: 10-12

Prerequisite: None

Weight: 5.0 DOE# 1552

Course Description:

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

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
(10-12)
(1029)

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 I (Foods II)
(10-12)
(1009)

Introduction to Culinary Arts and Hospitality
(10-12)
(1013 or 1016)

FAMILY AND CONSUMER SCIENCE EDUCATION

Penn# 1001/1024 INTERPERSONAL RELATIONSHIPS

Semesters: 1 Credits: 1

Grade Level: 9-12

Prerequisite: None

**Counts as Health & Wellness
requirement with 2 other
courses**

Weight: 4.0 DOE# 5364

Course Description:

This is an introductory course that is especially relevant for students interested in careers that involve interacting and working with people. It is also valuable for all students, as it provides everyday life and communication skills. Topics covered include personality, positive character traits, heredity and your environment. Students will gain skills and knowledge as it pertains to building positive and productive relationships in various aspects of life, such as career, community and various relationships. Other main topics include positive communication skills, conflict prevention and resolution, as well as digital responsibility.

Penn# (1023/1026) 3088 CHILD DEVELOPMENT & ADVANCED CHILD DEVELOPMENT

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

**Counts as Health & Wellness
requirement with 2 other
courses**

**Weight: 4.0 DOE# 5362 &
5360**

Course Description:

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).

Penn# 1005 EDUCATION PROFESSIONS I

Semesters: 2 Credits: 4

Grade Level: 10-12

Prerequisites: Application

**Double block class- 1 period
daily**

Weight: 4.0 DOE# 5408

Course Description:

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.

Penn# 1003/1022 HUMAN DEVELOPMENT AND WELLNESS

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

**Counts as Health & Wellness
requirement with 2 other
courses**

Weight: 4.0 DOE# 5366

Course Description:

This course is designed to help guide the student in making family and life decisions currently and in the future. Changing roles in society and relationships with others are examined with emphasis on preparation for marriage. The responsibilities of family members, preventing problems in marriage, preventing divorce, and how to handle family crises effectively are also studied.

Penn# 1012 INTRODUCTION TO HOUSING AND INTERIOR DESIGN

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

**Counts as Fine Arts requirement
for Academic Honors diploma**

Weight: 4.0 DOE# 5350

Course Description:

This introductory course is essential for students interested in academic enrichment or a career within the housing, interior design, or furnishings industry. The class focuses on several aspects of the home, primarily its interior environment. Units of study include architectural styles, universal design, with a strong emphasis placed on the Elements of Design, Color, and the Principles of Design. Students will create and design their own room based on the concepts learned in class.

1011/1014 ADULT ROLES AND RESPONSIBILITIES

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

**Counts as Health & Wellness
requirement with 2 other
courses**

Weight: 4.0 DOE# 5330

Course Description:

This course is structured to provide a practical study of the decisions necessary for learning to live

independently. It primarily focuses on making decisions pertaining to areas such as post-secondary education, career exploration, financial literacy, housing, and being a wise consumer. The financial unit places an emphasis on savings, checking, budgeting and wise use of credit.

**Penn# (1007/1008) 3087
NUTRITION AND WELLNESS &
ADVANCED NUTRITION AND
WELLNESS**

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

**Counts as Health & Wellness
requirement with 2 other
courses**

**Weight: 4.0 DOE# 5342 &
5340**

Course Description:

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.

**Penn# 1009
CULINARY ARTS &
HOSPITALITY I**

Semesters: 2 Credits: 2

Grade Level: 10-12

**Prerequisite: Nutrition &
Wellness**

Weight: 4.0 DOE# 5440

Course Description:

In this course, students will continue to expand their culinary skills with both cooking and baking. They will explore various careers in the food industry as well

as study global cuisine and prepare several dishes from a variety of countries. Additional units include menu planning and catering.

**Penn# 1025
INTRODUCTION TO FASHION
& TEXTILES**

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

**Counts as a fine arts
requirement**

Weight: 4.0 DOE# 5380

Course Description:

Sewing. 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. This course is hands on sewing and it will be necessary for the student to complete a minimum of four projects with supplies purchased by the student. Students provide their own fabric and supplies for projects.

**Penn# 1027
FASHION & TEXTILES
CAREERS I**

Semesters: 2 Credits: 2

Grade Level: 10-12

**Prerequisite: Introduction to
Fashion & Textiles**

Weight: 4.0 DOE# 5420

Course Description:

Sewing. 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.

**Penn# 1029
FASHION & TEXTILES
CAREERS II**

Semesters: 2 Credits: 2

Grade Level: 10-12

**Prerequisite: Fashion & Textiles
Careers I**

Weight: 4.0 DOE# 5421

Course Description:

This 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.

**Penn# 1013/1016
INTRODUCTION TO CULINARY
ARTS & HOSPITALITY**

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

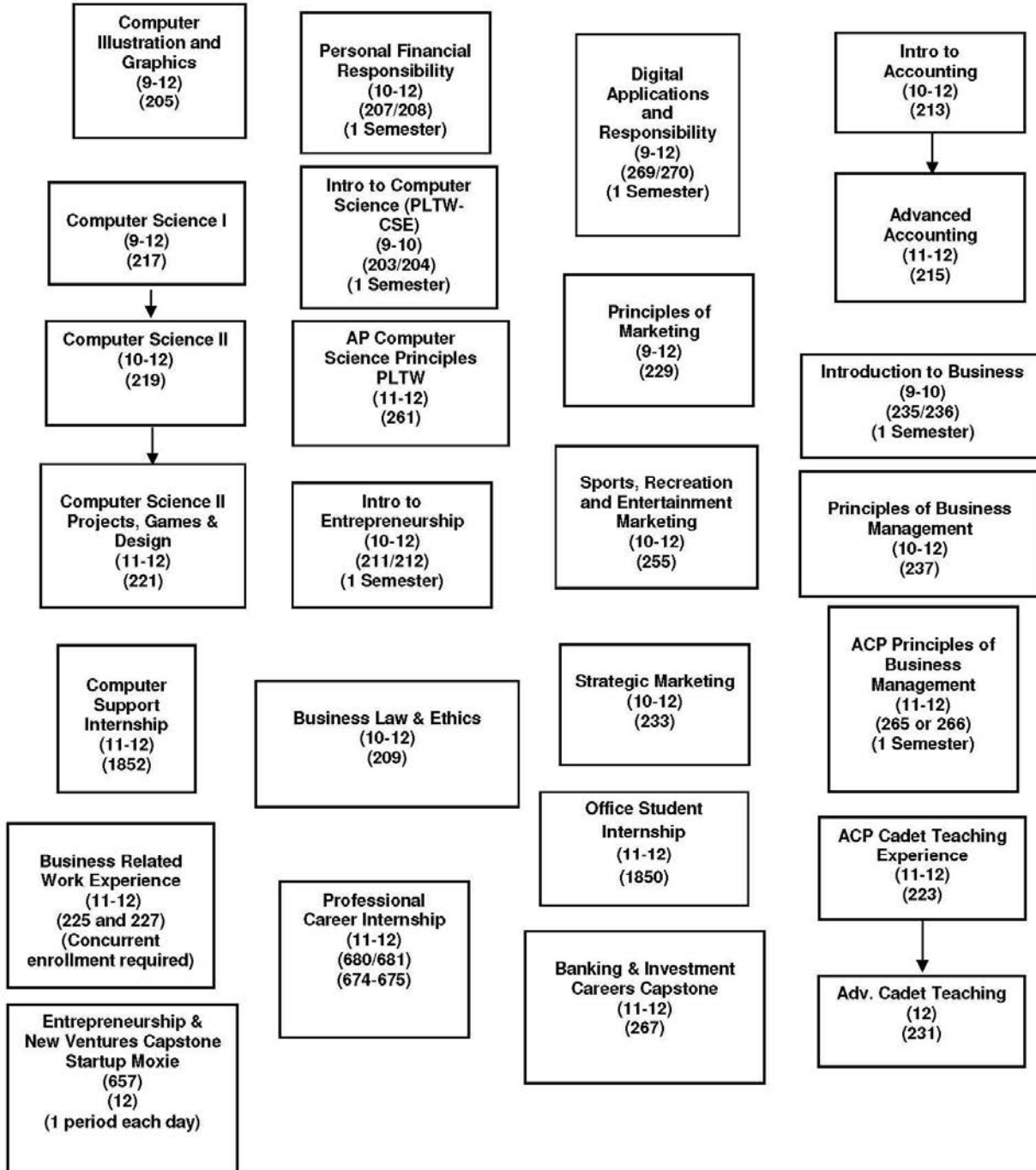
Weight: 4.0 DOE# 5438

Course Description:


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 exposes students to current trends and current events within the industry. Some goals of this course are for

students to 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-MANAGEMENT & BUSINESS ACADEMY



BUSINESS- MANAGEMENT & BUSINESS ACADEMY

Penn# 0269/0270 
**DIGITAL APPLICATIONS AND
RESPONSIBILITY**
Semesters: 1 Credits: 1

Grade Level: 9-12

Prerequisites: None

Weight: 4.5 DOE# 4528

**Ivy Tech- CINS 101 Introduction
to Microcomputers**

College Credits: 3

Course Description:

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 CINS here at Penn and learn those skills, which will make you a more competitive person in the job market! 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. 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. Not open to students who have taken 2327. Dual credit is available with qualifying scores.

Penn# 0205
**COMPUTER ILLUSTRATION
AND GRAPHICS**

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4516

Course Description:

Students are introduced to the computer's use in visual communication. The focus of the course is on basic computer terminology and use, mastering fundamental skills, and developing efficient working styles. These skills are then developed by creating work with imaging, drawing, interactive and page layout software. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials and instructional manuals. This course also covers advertising theory and preparations of copy, lettering, posters, vector illustrations, graphics and logos, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design products that impart information and ideas. Advanced instruction might include experiences in silk screening and airbrush techniques as well as activities in designing product packaging and commercial displays or exhibits.

Penn# 0229
PRINCIPLES OF MARKETING

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 5914

Course Description:

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. Voluntary Membership in a Marketing Club (DECA)

Penn# 0255
**SPORTS & ENTERTAINMENT
MARKETING**

Semesters: 2 Credits: 2

Grade Level: 10-12

**Prerequisites: Principles of
Marketing**

Weight: 4.0 DOE# 5984

Course Description:

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.

Penn# 0233
STRATEGIC MARKETING

Semesters: 2 Credits: 2

Grade Level: 10-12

**Prerequisite: Principles of
Marketing**

Weight: 4.0 DOE# 5918

Course Description:

Recommended for all DECA students. 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. Voluntary Membership in a Marketing Club (DECA).

Penn# 0207 or 0208 

PERSONAL FINANCIAL RESPONSIBILITY

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 4540

Course Description:

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, banking, homes, budget, debt and investments.

Penn# 0237

PRINCIPLES OF BUSINESS MANAGEMENT

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: None

Weight: 4.0 DOE# 4562

Course Description:

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.

Penn# 0211/0212

INTRODUCTION TO ENTREPRENEURSHIP

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 5967

Course Description:

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. Voluntary Membership in a Marketing Club (DECA)

Penn# 0209

BUSINESS LAW & ETHICS

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 4560

Course Description:

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 Consumer Laws and Rights. Both criminal and civil trial procedures are presented. Instructional strategies should include mock trials, case studies, field trips, guest speakers, and Internet projects.

Penn# 0235/0236

INTRODUCTION TO BUSINESS

Semesters: 1 Credits: 1

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4518

Course Description:

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.

Penn# 0213

INTRODUCTION TO ACCOUNTING

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 4524

Course Description:

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.

Penn# 0215

ADVANCED ACCOUNTING

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Introduction to Accounting

Quantitative Reasoning Course

Weight: 4.0 DOE# 4522

Course Description:

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 along with QuickBooks will be implemented into this course. Course provides students with advanced accounting knowledge and skills needed for college degrees in business. Membership into the Accounting Club.

Penn# 1850

OFFICE STUDENT INTERNSHIP

Semesters: 1 or 2

Credit: 1 per semester of completion

Grade Level: 11-12

Weight: 4.0 DOE# 5974

Course Description:

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

Penn# 0203/0204

INTRODUCTION TO COMPUTER SCIENCE (PLTW-CSE)

Semesters: 1 Credits: 1

Grade Level: 9-10

Prerequisite: None

Weight: 4.0 DOE# 4803

Course Description:

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.

Penn# 0217



COMPUTER SCIENCE I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.5 DOE# 4801

SDEV 120 Computing Logic- Ivy Tech

SDEV 120 Computing Logic-Ivy Tech

College Credits: 3

Course Description:

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.

Penn# 0219

COMPUTER SCIENCE II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Computer Science I

Weight: 4.5 DOE# 5236

SDEV 140 Introduction to

Software Development- Ivy Tech College Credits: 3

Course Description:

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.

Penn# 0221

COMPUTER SCIENCE II: PROJECTS, GAME, & DESIGN

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Computer Science 1

Weight: 4.0 DOE# 5252

Course Description:

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. Students have the opportunity to design

unique projects in teams and individually.

Penn# See below

PROFESSIONAL CAREER INTERNSHIP

1, 2 or 3 Blocks

Semesters: 1 or 2

One Block: 1 credit per semester

0680, 0681, 0682, 0683, 0684,

0685, 0686, 0687

Two Blocks: 2 credits per semester

0674, 0675

Grade Level: 11-12

Prerequisite: None

Weight: 4.0 DOE# 5974

Course Description:

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. Students must provide their own transportation

Penn# 1852 (with 1823)

COMPUTER SUPPORT INTERNSHIP

Semesters: 1 or 2 Credits: 1 or 2

Grade Level: 11-12

Weight: 4.0 DOE# 5974

Course Description:

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.

Penn# 0223 

ACP CADET TEACHING EXPERIENCE

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Must meet IU admission requirements

Weight: 5.0 DOE# 0502

IU- EDUC-F 200 Examining Self As Teacher

College Credits: 3

Course Description:

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. 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.* 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.

Penn# 0231
ADVANCED CADET TEACHING EXPERIENCE
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: ACP Cadet Teaching Experience & Teacher Approval
Weight: 4.0 DOE# 0502
Course Description:

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 and or second block of each day. Students Must Provide Their Own Transportation to Elementary and Middle Schools.


Penn# 0225
BUSINESS-RELATED CLASSROOM EXPERIENCE-CAPSTONE COURSE
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Application AND concurrent enrollment in 0227
Weight: 4.0 DOE# 5902

Course Description:
This class meets Gold Days during “A” Lunch. 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.

Penn# 0227
BUSINESS-RELATED WORK EXPERIENCE
Semesters: 2 Credits: 4
Grade Level: 11-12
Prerequisite: Application AND concurrent enrollment in 0225
Weight: 4.0 DOE# 5902

Course Description:
 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. **Student must provide their own transportation**

Penn# 0657 
ENTREPRENEURSHIP AND NEW VENTURES CAPSTONE
Semesters: 2 Credits: 4
Grade Level: 12
Prerequisites: Introduction to Entrepreneurship AND Digital Applications and Responsibility AND Application
Weight: 4.5 DOE# 5966
Ivy Tech ENTR 101 The Entrepreneur and the Enterprise & ENTR 105 Entrepreneurial Marketing and Market Research
College Credits: 6
Course Description:

This class meets first block every day. This is an off-site experience that is run through St. Joe County Startup Moxie Program. The class meets every day from 7:30-9:00. The class meets at various locations throughout the year. Application can be found at www.moxieinthemaking.org. 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. Students can take a second period study hall (use 0658) along with this course.

Penn# 0265/0266 
ACP PRINCIPLES OF BUSINESS MANAGEMENT

Semesters: 1 Credits: 1

Grade Level: 11-12

Prerequisite: Meet IU admission requirements

IU- BUS-B 190 Principles of Business Admin


College Credits: 3

Weight: 5.0 DOE# 4562

Course Description:

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.

Penn# 0267 
BANKING & INVESTMENT CAPSTONE

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Advanced

Accounting

Weight: 4.0 DOE# 5258

Course Description:

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.

Penn# 0261
AP COMPUTER SCIENCE PRINCIPLES (PLTW CSP)

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Introduction to Computer Science OR Computer Science I

Counts as a math course

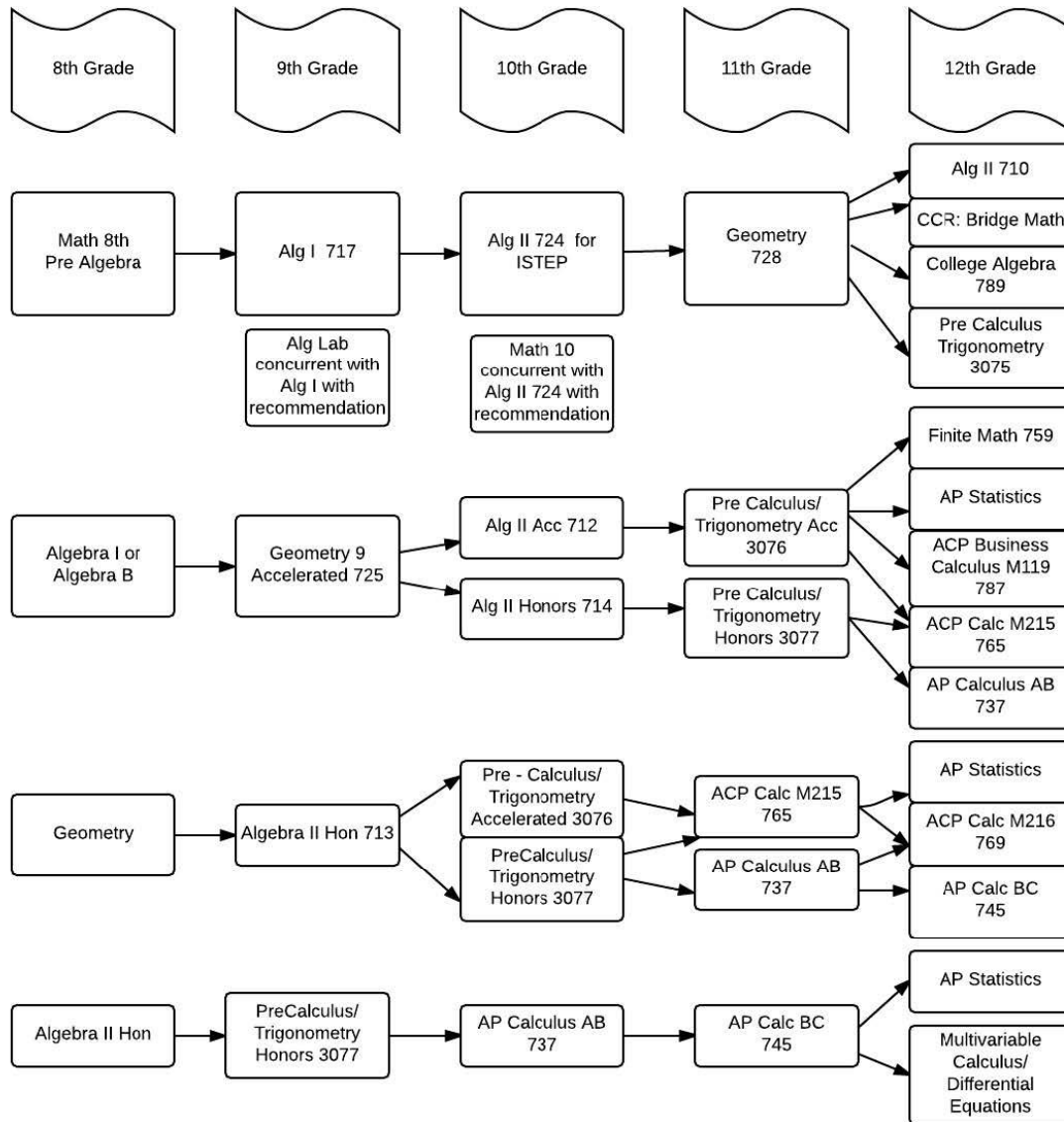
Weight: 5.0 DOE# 4568

Course Description:

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.

MATHEMATICS



Other Math Options



MATHEMATICS

Penn# 0718

ALGEBRA I

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: None

Weight: 4.0 DOE# 2520

Course Description:

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.

Penn# 0728

GEOMETRY

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Algebra II (0724)

Weight: 4.0 DOE# 2532

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.

Penn# 0724

ALGEBRA II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Algebra I

Weight: 4.0 DOE# 2522

Course Description:

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 complete this course will enroll in Geometry 728.

A scientific calculator is required and students will gain experience using the graphing calculator.

Penn# 0712

ALGEBRA II ACCELERATED

Semesters: 2 Credits: 2

Grade Level: 10

Prerequisite: Geometry

Accelerated (0725)

Weight: 4.0 DOE# 2522

Course Description:

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 should take Pre-Calculus Accelerated. A scientific calculator is required and students will gain experience using a graphing calculator.

Penn# 0714

ALGEBRA II HONORS

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Algebra I and

Geometry Accelerated

Weight: 4.0 DOE# 2522

Course Description:

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.

Penn# 0710

ANALYTICAL ALGEBRA II

Semesters: 2 Credits: 2


Grade Level: 12

Prerequisite: Algebra I and
Geometry

Weight: 4.0 DOE# TBD


Course Description:

This course is designed for students who do not have an Algebra II credit and are planning on earning a Core 40 Diploma. This course focuses on the fundamentals of Algebra. The course title and standards are yet to be determined, but this course will be an "analytical" Algebra II course for students who are planning on a four year college but not necessarily majoring in a heavy Math-related field.

Penn# 0789 
COLLEGE ALGEBRA
Semesters: 2 Credits: 2
Grade Level: 11-12
3 College Credits can be earned
Prerequisites: Algebra II and Geometry
Weight: 4.5 DOE# 2564
IVY TECH- MATH 136 College Algebra

Course Description:

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, and Systems of equations.

Penn# 0759 
FINITE MATH
Semesters: 2 Credits: 2
Grade Level: 12
IVY TECH- MATH 135 Finite Math
3 College Credits can be earned
Prerequisite: Algebra II and Geometry or Pre-Calculus
Weight: 4.5 DOE# 2530

Course Description:

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.

Penn# 0753 (3075)
PRE-CALCULUS
Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: Algebra II and Geometry
Weight: 4.0 DOE# 2564

Course Description:

Use 3075 to register for both Pre-Calc and Trig. 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.

Penn# 0732 (3075)
TRIGONOMETRY
Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: Algebra II and Geometry
Weight: 4.0 DOE# 2566

Course Description:

Use 3075 to register for both Pre-Calc and Trig. 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.

Penn# 0735 (3077)
PRE-CALCULUS ACCELERATED
Semesters: 1 Credits: 1
Grade Level: 10-12

Prerequisite: Algebra II Accelerated OR Honors
Weight: 4.0 DOE# 2564

Course Description:

Use 3077 to register for both Pre-Calc and Trig, Accelerated. 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. A scientific calculator is required and a graphing calculator is highly recommended.

Penn# 0736 (3077)
TRIGONOMETRY ACCELERATED
Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: Algebra II Accelerated OR Honors
Weight: 4.0 DOE# 2566

Course Description:

Use 3077 to register for both Pre-Calc and Trig, Accelerated. 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.

Penn# 0733 (3076)
PRE-CALCULUS HONORS

Semesters: 1 Credits: 1

Grade Level: 10-12

Prerequisite: Algebra II Honors

Weight: 4.0 DOE# 2564

Course Description:

Use 3076 to register for both Pre-Calc and Trig, Honors. Pre-Calculus 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.

Penn# 0738 (3076)
TRIGONOMETRY HONORS

Semesters: 1 Credits: 1

Grade Level: 9-12

Prerequisite: Algebra II Honors

Weight: 4.0 DOE# 2566

Course Description:

Use 3076 to register for both Pre-Calc and Trig, Honors. Trigonometry 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.

Penn# 0787 Ψ
ACP BUSINESS CALCULUS

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Pre-Calculus AND meet IU admission requirements

Weight: 5.0 DOE# 2527

IU- MATH-M 119 Brief Survey of Calculus I

College Credits: 3

Course Description:

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.* An hourly fee for 3 credits will be assessed by Indiana University for students opting for college credit.

Penn# 0765 Ψ
ACP CALCULUS I

Semesters: 1 Credits: 1

Grade Level: 11-12

Prerequisite: Pre-Calculus Accelerated OR Honors AND meet IU admission requirements

Weight: 5.0 DOE# 2527

IU- MATH-M 215 Calculus I

College Credits: 5

Course Description:

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. 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.* An hourly fee for 5 credits will be assessed by Indiana University for students opting for college credit.

Penn# 0769 Ψ
ACP CALCULUS II

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: ACP Calculus M215 OR AP Calculus AB AND meet IU admission requirements

Weight: 5.0 DOE# 2544

IU- MATH-M 216 Calculus II

College Credits: 5

Course Description:

This course 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.* An hourly fee for 5 credits will be assessed by Indiana University for students opting for college credit.

Penn# 0737

AP CALCULUS AB

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Pre-Calculus Honors

Weight: 5.0 DOE# 2562

Course Description:

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.*

Penn# 0745

AP CALCULUS BC

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: AP Calculus AB

Weight: 5.0 DOE# 2572

Course Description:

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.*

Penn# 0747/0749 (3094)

MULTIVARIABLE CALCULUS & DIFFERENTIAL EQUATIONS

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: AP Calculus BC

Ball State- MATH 267

Multivariable Calculus / MATH

374 Differential Equations

College Credits: 6

Weight: 4.5 DOE# 2544

Course Description:

Topics include three-dimensional vector calculus, Gauss's theorem, Green's theorem, and Stoke's theorem. Introduction to nth-order ordinary differential equations, equations of order one, elementary applications, linear equations with constant coefficients, nonhomogeneous equations, undetermined coefficients, variation of parameters, linear systems of equations, and the Laplace transform. This course includes the use of graphing calculators and computer software. This course is offered as distance learning through Ball State University. Students will participate during the school day. The course requires special registration through the Counseling Office and the Math Instructional Leader. There will be a fee payable to Ball State University for Dual Credit.

Penn# 0771/0772

PROBABILITY AND STATISTICS

Semesters: 1 Credits: 1

Grade Level: 11-12

Prerequisite: Algebra II and Geometry

Weight: 4.0 DOE# 2546

Course Description:

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.

Penn# 0767

AP STATISTICS

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Algebra II and Geometry

Weight: 5.0 DOE# 2570

Course Description:

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.

Penn# 0775

ALGEBRA I LAB

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisites: Students are placed in the course based on standardized test scores

(NWEA, or ISTEP) and/or teacher recommendation

Weight: 4.0 DOE# 2516.

Course Description:

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.

Penn# 0773

MATH 10

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Must have attempted Algebra 1

Weight: 4.0 DOE# 2531

Course Description:

Math 10 is a 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 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.

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.

Penn# 0739

CCR BRIDGE: MATH

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Algebra II and Geometry Weight: 4.0 DOE# 2514

Course Description:

The CCR Bridge: Math Ready course will include and reinforce the Algebra 1, Geometry, Algebra 2 and Statistics skills. This course emphasizes understanding of math concepts rather than just memorizing procedures. Math Ready students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. This equips them with higher-order thinking skills in order to apply math skills, functions and concepts in different situations. The content of this course is designed to

enhance students' math skills so that they are ready for college-level math assignments.

Counts as a Mathematics Course for all diplomas.

Penn# 1790

MEDICAL STATISTICS

Semesters: 2 Credits: 2

Grade Level: 12

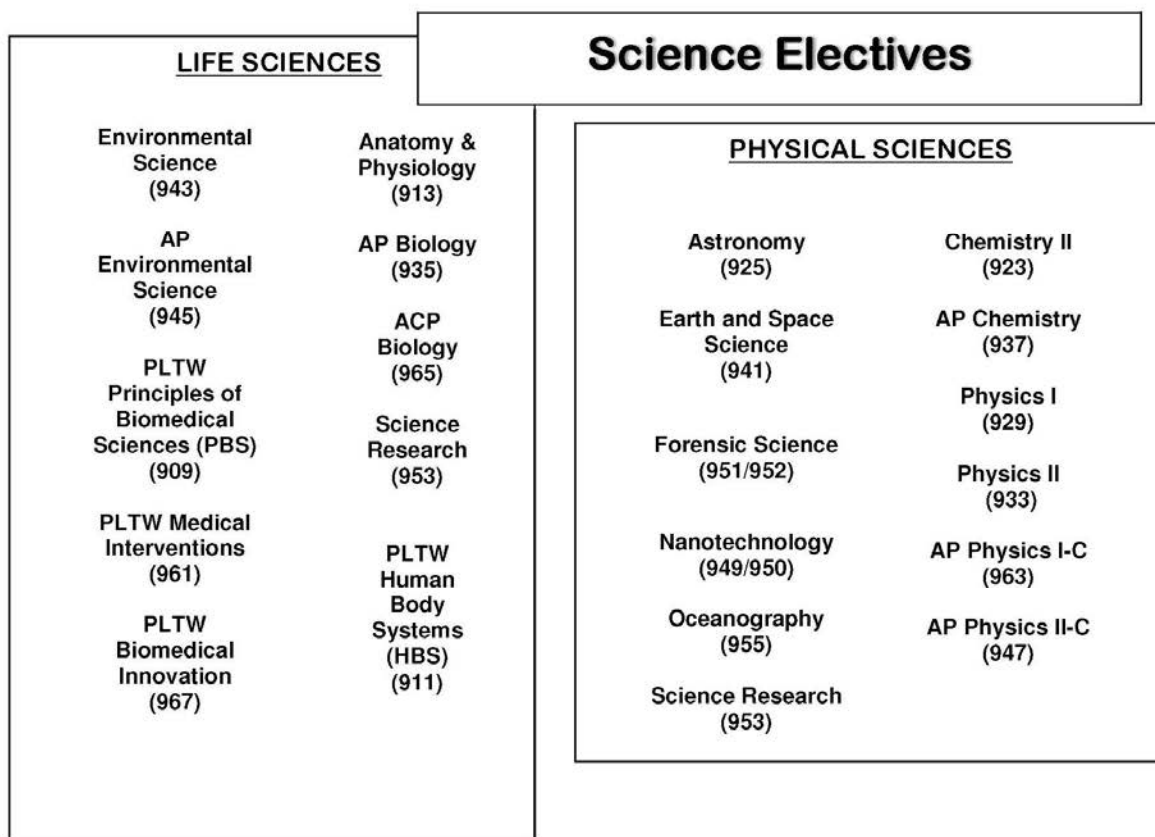
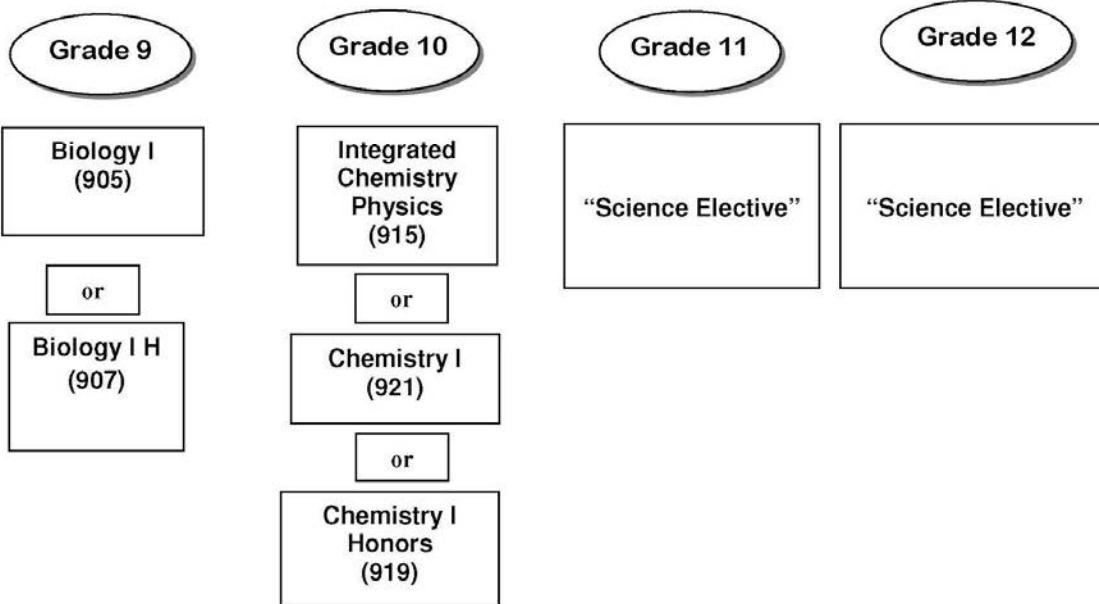
Prerequisite: AP Statistics

Weight: 4.5 DOE# 2543

Course Description:

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.

SCIENCE



SCIENCE

Penn# 0935 

AP BIOLOGY

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Biology I and

Chemistry I (or concurrent enrollment in Chemistry I)

Weight: 5.0 DOE# 3020

Course Description:

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. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0965 

ACP BIOLOGY

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Biology I AND

Chemistry I AND meet IU admission requirements

Weight: 5.0 DOE# 3090

IU- BIOL-L 100 Humans and the Biological World

College Credits: 3

Course Description:

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.

Penn# 0913

ANATOMY AND PHYSIOLOGY

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Biology I and Chemistry I

Weight: 4.0 DOE# 5276

Course Description:

The course is intended primarily for a student interested in a medical career (nurse, physician, physical therapist, radiologist, etc...). The course involves extensive anatomy memorization, detailed laboratory dissections, 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. Students will research topics and give oral presentations, read additional non-fiction literature and participate in regular discussions on the material, and work within a group on projects. 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. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0915

INTEGRATED CHEMISTRY-PHYSICS

Semesters: 2 Credits: 2


Grade Level: 10

Prerequisite: Algebra I (or concurrent enrollment in Algebra I). Biology I is recommended.

Weight: 4.0 DOE# 3108

Course Description:

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.

Penn# 0921 

CHEMISTRY I

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Biology I and Algebra I

Weight: 4.0 DOE# 3064

Course Description:

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. 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.

Penn# 0919 

CHEMISTRY I HONORS

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Biology I AND an "A" in Algebra

Weight: 4.0 DOE# 3064

Course Description:

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. 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.

Penn# 0923 

CHEMISTRY II

Semesters: 2 Credits: 2

Grade Level: 11-12


Prerequisite: Chemistry I

Weight: 4.0 DOE# 3066

Course Description:

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.

Penn# 0937 

AP CHEMISTRY

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Chemistry I OR Pre-Calculus, AND Physics I (or Physics I concurrently)

Weight: 5.0 DOE# 3060

Course Description:

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.

Penn# 0925
ASTRONOMY

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Geometry

Weight: 4.0 DOE# 3092

Course Description:

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.

Penn# 0943
ENVIRONMENTAL SCIENCE

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: ICP OR

Chemistry I

Weight: 4.0 DOE# 3010

Course Description:

Environmental Science 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.

Penn# 0945
AP ENVIRONMENTAL SCIENCE

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Chemistry OR

Earth/Space Science

Weight: 5.0 DOE# 3012

Course Description:

The AP Environmental Science course is 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. 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. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0929
PHYSICS I

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Chemistry I AND

Algebra II (or concurrent


enrollment in Algebra II)

Weight: 4.0 DOE# 3084

Course Description:


Physics is the study of the behavior and interactions of matter and energy in space and time. 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 or AP E&M in their Senior year. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0963 
AP PHYSICS I – C: MECHANICS
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Chemistry I AND Calculus I (or concurrent enrollment in Calculus I)
Weight: 5.0 DOE# 3088


Course Description:
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. This course is Calculus based and uses differential and integral calculus. 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. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. 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; Kinematics, Projectile motion, Forces, Energy, Momentum, Rotational Motion, and Oscillations. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0933 
PHYSICS II
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Physics I AND Pre-Calculus (or concurrent enrollment in Pre-calculus)
Weight: 4.0 DOE# 3086

Course Description:
Physics II is an advanced level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering. This course is the second half of the algebra based physics sequence. 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. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. 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, thermodynamics, optics, and modern physics.

This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0947 
AP PHYSICS II – C:
ELECTRICITY & MAGNETISM
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisites: AP Physics I OR Physics I with concurrent enrollment in Calculus
Weight: 5.0 DOE# 3088

Course Description:
AP E&M is an advanced level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering. This course is Calculus based and a good understanding of differential, integral, and vector calculus is required. 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. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. 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. 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.

Penn# 0941

EARTH AND SPACE SCIENCE

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: ICP OR Chemistry I (or concurrent enrollment in Chemistry I)

Weight: 4.0 DOE# 3044

Course Description:

Earth and Space science is a 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. 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.

Penn# 0951/0952

FORENSIC SCIENCE

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisites: ICP OR Chemistry (or concurrent enrollment in Chemistry)

Weight: 4.0 DOE# 3092

Course Description:

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.

Penn# 0955

OCEANOGRAPHY

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: ICP OR Chemistry I

Weight: 4.0 DOE# 3092

Course Description:

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 course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

BIOMEDICAL SCIENCE

Penn# 0909

PLTW PRINCIPLES OF BIOMEDICAL SCIENCES (PBS)

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Biology I (or current enrollment in Biology I)

Weight: 4.5 DOE# 5218

Course Description:

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.

Penn# 0911
PLTW HUMAN BODY SYSTEMS (HBS)

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: PBS

Weight: 4.5 DOE# 5216

Course Description:

Human Body systems is a hands-on project based Project Lead 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.

Penn# 0961
PLTW MEDICAL INTERVENTIONS (MI)

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: HBS

Weight: 4.5 DOE# 5217

Course Description:

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.

Penn# 0967
PLTW BIOMEDICAL INNOVATION (BI)

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisites: MI

Weight: 4.5 DOE# 5219

Course Description:

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.

Penn# 0949/0950
NANOTECHNOLOGY

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Biology and ICP or Biology and Chemistry (or concurrent enrollment in Chemistry)

Weight: 4.0 DOE# 3092

Course Description:

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.

Penn# 0953

**SCIENCE RESEARCH
INDEPENDENT STUDY**

Semesters: 2 Credits: 2

Grade Level: 11-12

***Prerequisites: Recommendation
from Science teacher AND***

***Physics I (or concurrent
enrollment in Physics I)***

Weight: 4.0 DOE# 3008

Course Description:

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

**Introduction to Agriculture, Food, and
Natural Resources
(9-12)
(644)**

**Agribusiness
Management
(10-12)
(647)**

**Natural
Resources
(10-12)
(649)**

**Horticulture
Science
(10-12)
(659)**

**Animal
Science
(10-12)
(643)**

**Landscape
Management
(10-12)
(651)**

**Advanced Life Science:
Animals
(11-12)
(645)**

AGRICULTURE

Penn# 0644

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES

Semesters: 2 Credits: 2


Grade Level: 9-12

Prerequisites: None

Weight: 4.0 DOE# 5056

Course Description:

(INT AGFNR) Introduction to Agriculture, Food and Natural Resources is a prerequisite to and a foundation for all other agricultural classes. The nature of this course is to provide students with an introduction to the fundamentals of agricultural science and business. Topics to be covered include: animal science, plant and soil science, food science, horticultural science, agricultural business management, landscape management, natural resources, agriculture power, structure and technology, leadership development, supervised agricultural experience and career opportunities in the area of agriculture, food and natural resources. Counts as an elective Course for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

Penn# 0647  

AGRIBUSINESS MANAGEMENT

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Intro to Ag, Food, & Nat. Resources (INT AGFNR)

Weight: 4.5 DOE# 5002

Ivy Tech AGRI 102 Agribusiness and Farm Management

College Credits: 3

Course Description:

2019 - 2020 Program of Studies

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 "C" 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.

Penn# 0643 

ANIMAL SCIENCE

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Intro to Ag, Food, & Nat. Resources (INT AGFNR)

and Biology I or permission of instructor

College Credits: 3

Weight: 4.5 DOE# 5008

Ivy Tech AGRI 103 Animal Science

Course Description:

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 "C" 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.

Penn# 0649 

NATURAL RESOURCES

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Intro to Ag, Food, Nat. Resources (INT AGFNR)


Weight: 4.5 DOE# 5180

Ivy Tech AGRI 115 Natural Resources Management

College Credits: 3

Course Description:

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 "C" 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.


Penn# 0659 
HORTICULTURE SCIENCE
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Intro to Ag, Food, Nat. Resources (INT AGFNR)
Weight: 4.5 DOE# 5132

Ivy Tech AGRI 116 Survey of Horticulture

College Credits: 3


Course Description:

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 "C" 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.

Penn# 0651 
LANDSCAPE MANAGEMENT
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Intro to Ag, Food, Nat. Resources (INT AGFNR)
Quantitative Reasoning Course
Weight: 4.5 DOE# 5136
Ivy Tech AGRI 164 Landscape Design I
College Credits: 3

Course Description:
 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 "C" 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.

Penn# 0645 
ADVANCED LIFE SCIENCES: ANIMALS
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Biology I & Chemistry I
Weight: 4.0 DOE# 5070
Ivy Tech AGRI 107 Advanced Animal Science
College Credits: 3

Course Description:
 Students should not take this class concurrently with Animal Science. 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.

ENGINEERING & TECH

Pathway	9th Grade	10th Grade	11th Grade	12th Grade
Engineering Pathway Project Lead the Way PLTW	Introduction to Engineering Design (605* or 606*)	Principles of Engineering (607*)	Civil Engineering and Architecture (655) OR Digital Electronics (613) OR Aerospace Engineering (653)	Engineering Design & Development (608) OR 2 nd Course from 11 th Grade
Robotics Pathway	FIRST Tech Challenge – IED (602* or 614*- 0 Hour)	FIRST Tech Challenge – POE (612* or 616* - 0 Hour)	Automation & Robotics I (609*) AND Penn FIRST Robotics Internship I (677")	Automation & Robotics I (610*) AND Penn FIRST Robotics Internship I (678")
Architecture Pathway	Architectural Design I (604*)	Architectural Design 2 (656*)	Non PLTW Civil Engineering and Architecture (654)	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 I (633)	Vocational Building Trades 2 (635)
Manufacturing Pathway	Adv Manufacturing 1 (625)	Adv Manufacturing II (627)	Welding Technology 1 (620)	Welding Technology II (2 block course) (622)

* = Dual Credit & Weighted Course

" = Weighted Course Only

 = Quantitative Reasoning Course  = Indiana University Dual Credit  = Purdue University Dual Credit
 = Ivy Tech CC Dual Credit  = Ball State University Dual Credit

ENGINEERING & TECH

ENGINEERING:

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.

Penn# 0605 

PLTW INTRODUCTION TO ENGINEERING DESIGN (IED)

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None.

Weight: 4.5 DOE# 4812

Ivy Tech- DESN 101 Intro to

Design Technology

College Credits: 3

Course Description:

(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 Innovation Challenge, Canstruction, and Mission to Engineer.

Penn# 0606 

PLTW INTRODUCTION TO ENGINEERING DESIGN (IED)

All Girls

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.5 DOE# 4812

Ivy Tech- DESN 101 Intro to

Design Technology

College Credits: 3

Course Description:

(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 Innovation Challenge, Canstruction, and Mission to Engineer.

Penn# 0607  

PLTW PRINCIPLES OF ENGINEERING (POE)

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Introduction to Engineering Design (IED)


Weight: 4.5 DOE# 4814

Ivy Tech- DESN 104 Mechanical Graphics

College Credits: 3

Course Description:

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.

Penn# 0653 

PLTW AEROSPACE ENGINEERING (AE)

Semesters: 2 Credits: 2

Grade Level: 10-12



Prerequisite: IED or POE or Algebra I

Weight: 4.0 DOE# 4816

Course Description:



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.


Penn# 0655  
PLTW CIVIL ENGINEERING AND ARCHITECTURE (CEA)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: IED or POE
Weight: 4.5 DOE# 4820
Ivy Tech- DESN 105
Architectural Design I
College Credits: 3
Course Description:

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.


Penn# 0613  
PLTW DIGITAL ELECTRONICS (DE)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: IED or POE or concurrently enrolled in Algebra II
Weight: 4.5 DOE# 4826
Ivy Tech- EECT 112 Digital Fundamentals
College Credits: 3
Course Description:

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.

Penn# 0608 
PLTW ENGINEERING DESIGN & DEVELOPMENT (EDD)
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Two Engineering & Tech courses or permission from instructor
Weight: 4.0 DOE# 4828
Course Description:

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:

Penn# 0602 (0614 - 0 Hour) 
FIRST TECH CHALLENGE IED – FTC9
Semesters: 2 Credits: 2
Grade Level: 9
Weight: 4.5 DOE# 4802
Ivy Tech- DESN 101 Intro to Design Technology
College Credits: 3
Course Description:

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.**

Penn# 0612 (0616 - 0 Hour) 🌱📍

FIRST TECH CHALLENGE POE – FTC10

Semesters: 2 Credits: 2

Grade Level: 10-12

Weight: 4.5 DOE# 5644

Ivy Tech- DESN 104 Mechanical Graphics

College Credits: 3

Course Description:

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.**

Penn# 0609 🌱

AUTOMATION & ROBOTICS I

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Application required

Weight: 4.0 DOE# 5610

This course is weighted on a 4.5 scale if taken with Penn FIRST Robotics Internship I.

Ivy Tech- INDT 113 Basic

Electricity

College Credits: 3

Course Description:

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# 0610 🌱📍

AUTOMATION & ROBOTICS II

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Automation & Robotics I AND Application

Weight: 4.0 DOE# 5612

This course is weighted on a 4.5 scale if taken with Penn FIRST Robotics Internship II.

Ivy Tech- ADMF 122 Automation

College Credits: 3

Course Description:

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# 0677

**PENN FIRST ROBOTICS
INTERNSHIP I**

Semesters: 2 Credits: 2

Grade Level: 11-12

**Prerequisite: Application
required**

Weight: 4.0 DOE# 5698

**This course is weighted on a 4.5
scale if taken with Automation &
Robotics I.**

Course Description:

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 I as well as Penn FIRST Robotics Internship I.**

Penn# 0678

**PENN FIRST ROBOTICS
INTERNSHIP II**

Semesters: 2 Credits: 2

Grade Level: 11-12

**Prerequisite: Penn First
Robotics Internship I AND
Application**

Weight: 4.0 DOE# 5974

**This course is weighted on a 4.5
scale if taken with Automation &
Robotics II.**

Course Description:

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 II as well as Penn FIRST Robotics Internship II.**

ARCHITECTURE:

Penn# 0604



ARCHITECTURAL DESIGN I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.5 DOE# 5640

**Ivy Tech- DESN 101 Intro to
Design Technology**

College Credits: 3

Course Description:

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.

Penn# 0656



ARCHITECTURAL DESIGN II

Semesters: 2 Credits: 2

Grade Level: 10-12

**Prerequisites: Architectural
Design I**

Weight: 4.5 DOE# 5652

Ivy Tech- DESN 105

Architectural Design I

College Credits: 3

Course Description:

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.

Penn# 0654  
**NON PLTW CIVIL ENGINEERING
AND ARCHITECTURE**

Semesters: 2 Credits: 2

Grade Level: 11-12

**Prerequisites: Architectural
Design II**

Weight: 4.5 DOE# 5650

Ivy Tech- DESN 105

Architectural Design I

College Credits: 3

Course Description:

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:

Penn# 0603 
**COMPUTERS IN DESIGN &
PRODUCTION**

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.5 DOE# 4800

Ivy Tech- DESN 101 Intro to

Design Technology

College Credit: 3

Course Description:

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.

Penn# 0615 
**INFORMATION TECHNOLOGY
SUPPORT**

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: Digital

Applications and Responsibility

Weight: 4.5 DOE# 5230

Ivy Tech- INFM 109 Informatics

Fundamentals & ITSP 135

Hardware/Software Support

Course Description:

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:

Penn# 0625
ADVANCED MANUFACTURING I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 5608

Course Description:

Advanced Manufacturing 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.

Penn# 0627 

ADVANCED MANUFACTURING II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Advanced Manufacturing I

Weight: 4.0 DOE# 5606

Course Description:

Advanced Manufacturing II is a more in-depth study of skills learned in Advanced Manufacturing 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.

Penn# 0620

WELDING TECHNOLOGY I

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Advanced Manufacturing I

Weight: 4.0 DOE# 5776

Course Description:

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.

Penn# 0622

WELDING TECHNOLOGY II (Double Block)

Semesters: 2 Credits: 4

Grade Level: 11-12

Prerequisite: Welding Technology I

Weight: 4.0 DOE# 5778

Course Description:

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:

Penn# 0629

INTRODUCTION TO CONSTRUCTION

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 4792

Course Description:

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.

Penn# 0631

CONSTRUCTION TRADES

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Introduction to Construction

Weight: 4.0 DOE# 5580

Course Description:

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.

Penn# 0633

VOCATIONAL BUILDING TRADES I

(4 Blocks)

Semesters: 2 Credits: 6

Grade Level: 11-12

Prerequisite: Application required

Weight: 4.0 DOE# 5578

Course Description:

Students will spend 1st and 2nd periods every day at the Building Trades site. 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!

Students will earn an OSHA 10 certification. 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.

Students are responsible for their own transportation to the construction site and back to school after class.

Penn# 0635

VOCATIONAL BUILDING

TRADES II

(4 Blocks)

Semesters: 2 Credits: 6

Grade Level: 12

Prerequisite: Vocational

Building Trades I AND

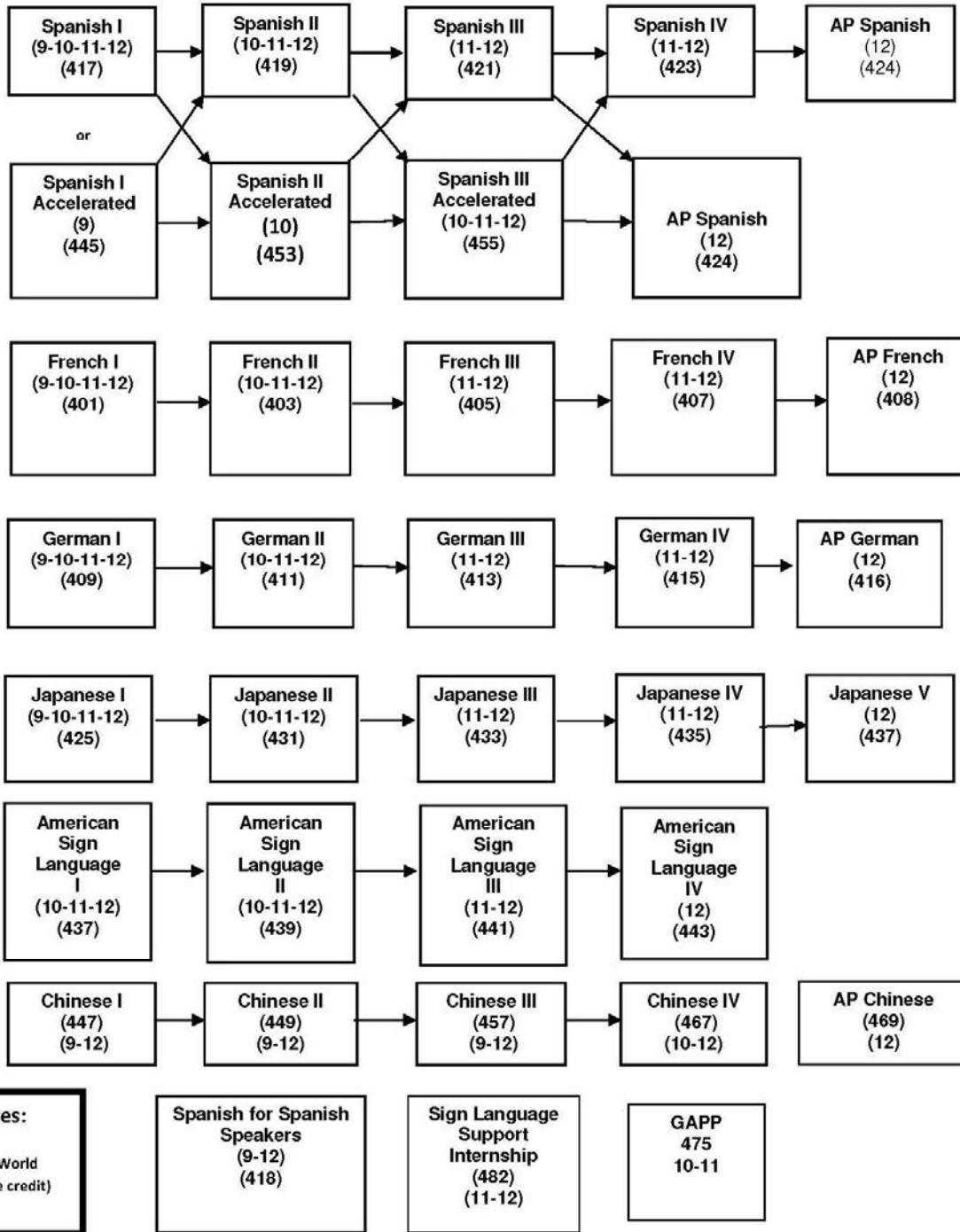
application

Weight: 4.0 DOE# 5496

Course Description:

Students will spend 1st and 2nd periods every day at the Building Trades site. 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. Students will earn an OSHA 10 certification. Students will need a basic set of tools.

WORLD LANGUAGES



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.

Penn# 0401

FRENCH I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 2020

Course Description:

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

Penn# 0403

FRENCH II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: French I

Weight: 4.0 DOE# 2022

Course Description:

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

Penn# 0405

FRENCH III

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: French II

Weight: 4.0 DOE# 2024

Course Description:

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

**Penn# 0407
FRENCH IV**

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: French III

Weight: 4.0 DOE# 2022

Course Description:

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

Penn# 0408

AP FRENCH

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: French III

Weight: 5.0 DOE# 2032

Course Description:

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.

Penn# 0409

GERMAN I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 2040

Course Description:

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

Penn# 0411

GERMAN II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: German I

Weight: 4.0 DOE# 2042

Course Description:

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

Penn# 0413

GERMAN III

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: German II

Weight: 4.0 DOE# 2044

Course Description:

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.

Penn# 0415

GERMAN IV

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: German III

Weight: 4.0 DOE# 2046

Course Description:

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.

Penn# 0416

AP GERMAN

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: German III

Weight: 5.0 DOE# 2052

Course Description:

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.

Penn# 0475

GERMAN AMERICAN PARTNERSHIP PROGRAM (GAPP)

Semesters: 1 (Summer) Credits: 1

Grade Level: 10-11

Prerequisites: German II AND application

Counts as an Elective for all diplomas

Weight: 4.0 DOE# 0514

Course Description:

3+ weeks to be determined approximately one year before travel. Course is limited to 18 participants A course in humanities provides for the study of content drawn from history, philosophy, literature, languages, and the arts. The Penn GAPP program 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.

Penn# 0425

JAPANESE I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 2060

Course Description:

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

Penn# 0431

JAPANESE II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Japanese I

Weight: 4.0 DOE# 2062

Course Description:

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.

Penn# 0433
JAPANESE III

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Japanese II

Weight: 4.0 DOE# 2064

Course Description:

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.

Penn# 0435
JAPANESE IV

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Japanese III

Weight: 4.0 DOE# 2066

Course Description:

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.

Penn# 0427

JAPANESE V

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Japanese IV AND Teacher Approval

Weight: 4.0 DOE# 2068

Course Description:

Level V Japanese is an advanced study of the Japanese language and culture. Some independent study may be required.

Penn# 0417

SPANISH I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 2120

Course Description:

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 use of 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.

Penn# 0445

SPANISH I ACCELERATED

Semesters: 2 Credits: 2

Grade Level: 9

Prerequisite: None

Weight: 4.0 DOE# 2120

Course Description:

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.

Penn# 0419

SPANISH II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: Spanish I

Weight: 4.0 DOE# 2122

Course Description:

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

Penn# 0453

SPANISH II ACCELERATED

Semesters: 2 Credits: 2

Grade Level: 10

Prerequisites: Spanish I

Accelerated or teacher recommendation

Weight: 4.0 DOE# 2122

Course Description:

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.

Penn# 0421

SPANISH III

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Spanish II

Weight: 4.0 DOE# 2124

Course Description:

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.

Penn# 0455

SPANISH III ACCELERATED

Semesters: 2 Credits: 2

Grade Level: 11

Prerequisite: Spanish II

Accelerated or teacher recommendation

Weight: 4.0 DOE# 2124

Course Description:

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.

Penn# 0423

SPANISH IV

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: Spanish III

Weight: 4.0 DOE# 2126

Course Description:

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.

Penn# 0424**AP SPANISH****Semesters: 2 Credits: 2****Grade Level: 12****Prerequisite: Spanish III OR****Spanish III Accelerated****Weight: 5.0 DOE# 2132****Course Description:**

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

Penn# 0418**SPANISH FOR SPANISH SPEAKERS*****Semesters: 2 Credits: 2****Grade Level: 9-12****Prerequisite: None****Weight: 4.0 DOE# 2190****Course Description:**

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.

Penn# 0437**AMERICAN SIGN LANGUAGE I****Semesters: 2 Credits: 2****Grade Level: 10-12****Prerequisite: None****Weight: 4.0 DOE# 2156****Course Description:**

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.

Penn# 0439

AMERICAN SIGN LANGUAGE II

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisite: American Sign Language I

Weight: 4.0 DOE# 2158

Course Description:

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

Penn# 0441

AMERICAN SIGN LANGUAGE III

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: American Sign Language II

Weight: 4.0 DOE# 2162

Course Description:

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.

Penn# 0443

AMERICAN SIGN LANGUAGE IV

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: American Sign Language III

Weight: 4.0 DOE# 2164

Course Description:

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.

Penn# 0482

SIGN LANGUAGE SUPPORT INTERNSHIP

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisite: American Sign Language III AND Application

Weight: 4.0 DOE# 5974

Course Description:

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.

Penn# 0447

CHINESE I

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisite: None

Weight: 4.0 DOE# 2000

Course Description:

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 lifestyles 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.

Penn# 0449

CHINESE II

Semesters: 2 Credits: 2

Grade Level: 9-12

Prerequisites: 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.

Weight: 4.0 DOE# 2002

Course Description:

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 lifestyles 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.

Penn# 0457

CHINESE III

Semesters: 2 Credits: 2

Grade Level: 10-12

Prerequisites: Chinese II

Weight: 4.0 DOE# 2004

Course Description:

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.

Penn# 0467

CHINESE IV

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Chinese III

Weight: 4.0 DOE# 2006

Course Description:

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.

Penn# 0469

AP CHINESE

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Chinese III

Weight: 5.0 DOE# 2014

Course Description:

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 communication 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: 1) Develop communicative competence in listening, speaking, reading, and writing skills, 2) Understand the textbook lessons and supplementary materials and participate in discussions of the cultural aspects of the readings in Chinese. 3) Use the knowledge gained through course materials to develop critical thinking and writing

skills to compose essays in Chinese on given topics, 4) Use the Chinese language to communicate effectively both in the school setting and in real-life situations, 5) Use the Chinese language as they seek clarifications through the use of communication and language learning strategies that are running elements of the course 6) and carry on a conversation or a discussion with other students in class.

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 (ACP/AP/Ivy Tech)
Math (Honors)	Math (Honors)	Math (Acc./Honors/AP/ACP/Ivy Tech)	Math (ACP/AP/Ivy Tech)
Biology (Honors)	ICP or Chem. (Honors)	Science	Science
Geography Hist. of the World (Honors)	Health Elective	US History (AP/ACP/Ivy Tech)	US Gov./Econ (AP/ACP)
	Achievement Academy Elective		
Physical Education	Achievement Academy 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			

*This plan will be reviewed and updated annually!

**Indiana requires two credits of Mathematics or Quantitative Reasoning junior or senior year to earn a diploma.

My Achievement Academy: Fine Arts/Communication STEM MBA Health & Human Services

HEALTH SCIENCE									
Biomedical	Comprehensive Health Science &/or Emerging Careers	Dental	Dietetics & Nutrition Science	Health Career Specialties	Health Science - Careers - Pharmacy	Health Science - Physical Therapy	Nursing	Veterinary	
			IVT 111 & PCC						
Nutrition and Wellness	PLTW Principles of Biomedical Sciences (PBS)	Interpersonal Relationships / Personal Management	Nutrition and Wellness	Child Development	Nutrition and Wellness	Nutrition and Wellness	Nutrition and Wellness	Animal Sciences	
PLTW Principles of Biomedical Sciences (PBS)	Nutrition and Wellness	EACC- Dental Health Careers	Interpersonal Relationships / Personal Management	Nutrition and Wellness	Interpersonal Relationships / Personal Management	Interpersonal Relationships / Personal Management	Interpersonal Relationships / Personal Management	Medical Terminology	
PLTW Human Body Systems (HBS)	Interpersonal Relationships / Personal Management		Advanced Nutrition and Wellness	Human Development and Wellness	Human Development and Wellness	Human Development and Wellness	Human Development and Wellness	Human Anatomy & Physiology	
PLTW Medical Interventions	Human Development and Wellness		Human Development and Wellness	Interpersonal Relationships / Personal Management	Child Development	Child Development	Child Development	EACC- Veterinary Careers	
PLTW Medical Interventions	Child Development		Child Development	Medical Terminology	Human Anatomy & Physiology	EACC- Intro Health Career / EACC- Medical Assisting	Medical Terminology	EACC- Veterinary Careers	
PLTW Biomedical Innovation	Medical Terminology			Human Anatomy & Physiology	Medical Terminology	Medical Terminology	Human Anatomy & Physiology		
	EACC- Intro Health Career / EACC- Medical Assisting			EACC- Intro Health Career / EACC- Medical Assisting			EACC- Intro Health Career / EACC- Medical Assisting		
	Human Anatomy & Physiology			EACC- Intro Health Career / EACC- Medical Assisting			EACC- Intro Health Career / EACC- Medical Assisting		
	EACC- Medical Assisting / EACC- Cardiology			EACC- CMA Preparation			EACC- CMA Preparation		
				Intro to Physical Therapy			EACC- CMA Preparation		
				EACC- Medical Assisting / EACC- Cardiology			EACC- Medical Assisting / EACC- Cardiology		
Business Related Classroom Experience Capstone Course Work Based Learning Capstone, Multiple Pathways									

EDUCATION AND TRAINING	
Early Childhood	Education Careers
	kyT 111 & PCC
Nutrition and Wellness	Child Development
Child Development	Advanced Child Development
Advanced Child Development	Interpersonal Relationships / Personal Management
Interpersonal Relationships / Personal Management	Education Professions I
EACC- Early Childhood Education	
EACC- Early Childhood Education	
Business Related Classroom Experience Capstone Course Work Based Learning Capstone, Multiple Pathways	

MANUFACTURING & LOGISTICS

Advanced Manufacturing	Electronics	Engineering	Logistics & Supply Chain Management IvyT 111 & PCC	Machine Technology	Machine Tool	Welding
Computers in Design & Production	Computers in Design & Production	Computers in Design & Production	Introduction to Business	Computers in Design and Production	Computers in Design & Production	Computers in Design and Production
FIRST Tech Challenge IED-FTC 9	Introduction to Engineering and Design (IED)	FIRST Tech Challenge IED-FTC 9	Business Law and Ethics	0625 Prior to 2018 / EACC- Machine Shop	Architectural Drafting and Design I & EACC Mfg & Eng	Introduction to Engineering and Design (IED)
FIRST Tech Challenge POE-FTC 10	FIRST Tech Challenge IED-FTC 9	Introduction to Engineering and Design (IED)		0627 Prior to 2018 / EACC- Machine Shop	0625 Prior to 2018 / EACC- Machine Shop	FIRST Tech Challenge IED-FTC 9
Principles of Engineering (POE)	Architectural Drafting and Design I & EACC Mfg & Eng	FIRST Tech Challenge POE-FTC 10			0627 Prior to 2018 / EACC- Machine Shop	Architectural Drafting and Design I & EACC Mfg & Eng
Architectural Drafting and Design I & EACC Mfg & Eng	Automation and Robotics I / Automation & Eng Tech.	Principles of Engineering (POE)				Welding Technology I
Advanced Manufacturing I (2018-2019 on)	PLTW Digital Electronics (DE)	Non PLTW Civil Engineering and Architecture				Welding Technology II
Advanced Manufacturing II (2018-2019 on)	Automation and Robotics I / EACC- Automation and Eng Technology	Computer Science I				
		Architectural Drafting and Design I & EACC Mfg & Eng				
		Automation and Robotics II / Automation & Eng Tech.				
		PLTW Civil Engineering and Architecture (CEA)				
		PLTW Digital Electronics (DE)				
		PLTW Aerospace Engineering (AE)				
		Engineering Design and Development PLTW				
		Automation and Robotics I / EACC- Automation and Eng Technology				
Business Related Classroom Experience Capstone Course						
Work Based Learning Capstone, Multiple Pathways						
Penn FIRST Robotics Internship (before 2018-2019) / Graphic Design Internship						

TRANSPORTATION AND LOGISTICS						
Automotive Collision	Automotive Technology	Aviation Flight & Operations	Aviation Maintenance	Diesel Services Technology	Recreation & Mobile Equipment	Tractor Trailer Operations
IvyT 111 & PCC						
EACC- Automotive Collision Repair	EACC- Automotive Service Technology	FIRST Tech Challenge (IED-FTC 9)	FIRST Tech Challenge (IED-FTC 9)	EACC- Diesel Service Tech	EACC- Motorcycle/Outdoor Power Technology	EACC- Automotive Service Technology
EACC- Automotive Refinishing	EACC- Automotive Service Technology	Introduction to Engineering and Design (IED)	Introduction to Engineering and Design (IED)	EACC- Diesel Service Tech	EACC- Motorcycle/Outdoor Power Technology	EACC- Automotive Collision Repair
		FIRST Tech Challenge (POE-FTC 10)	FIRST Tech Challenge (POE-FTC 10)			EACC- Automotive Refinishing
		PLTW Aerospace Engineering (AE)	PLTW Aerospace Engineering (AE)			EACC- Automotive Service Technology
Business Related Classroom Experience Capstone Course						
Work Based Learning Capstone, Multiple Pathways						

PUBLIC SAFETY	
Criminal Justice	EMT/Paramedic
IvyT 111 & PCC	
Interpersonal Relationships / Personal Management	Human Development and Wellness
EACC- Law Enforcement	EACC- Intro Health Career / EACC- Medical Assisting
EACC- CSI Crime Scene Investigation	EACC- Cardiology / EACC- EMT
	EACC- Firefighting
Business Related Classroom Experience Capstone Course	
Work Based Learning Capstone, Multiple Pathways	

ARCHITECTURE & CONSTRUCTION							
Architectural	Building and Facility Maintenance	Commercial & Residential Facilities Management	Construction	Electrical	Heavy Equipment	HVAC	Mechanical
Computers in Design & Production	Introduction to Communication	Introduction to Construction	Introduction to Construction	Introduction to Construction	Introduction to Construction	Introduction to Construction	Computers in Design & Production
FIRST Tech Challenge IED-FTC 9	Introduction to Construction	Introduction to Housing and Interior Design	Construction Trades & EACC Construction Trades	Vocational Building Trades I & EACC Construction Trades	Vocational Building Trades I & EACC Construction Trades	Vocational Building Trades II	Introduction to Design Processes
Introduction to Engineering and Design (IED)	Vocational Building Trades I & EACC Construction Trades		Vocational Building Trades I & EACC Construction Trades		Vocational Building Trades I & EACC Construction Trades		FIRST Tech Challenge IED-FTC 9
Introduction to Design Processes							Introduction to Engineering and Design (IED)
Introduction to Housing and Interior Design							FIRST Tech Challenge POE-FTC 10
FIRST Tech Challenge POE-FTC 10							Principles of Engineering (POE)
Principles of Engineering (POE)							Architectural Drafting and Design I & EACC
Architectural Drafting and Design I & EACC Drafting							Architectural Drafting and Design I & EACC and Design I & EACC
Architectural Drafting and Design II & EACC Drafting							Vocational Building Trades I & EACC Construction Trades

Business Related Classroom Experience Capstone Course
 Work Based Learning Capstone, Multiple Pathways

AGRICULTURE				
Agribusiness	Animal Science	Food Science	Horticulture & Landscape	Natural Resources
PCCIVYT 111				
Introduction to Agriculture, Food and Natural Resources				
Animal Sciences	Animal Sciences	Nutrition and Wellness	Horticultural Science OR Floral Design- EACC	Natural Resources
Agribusiness Management	Advanced Life Science: Animals	Advanced Nutrition and Wellness	Landscape Management I OR Landscape Management- EACC	
Agriculture Mechanics- EACC			Floral Design- EACC	
Work Based Learning, Multiple Pathways				

HOSPITALITY & HUMAN SERVICES

Cosmetology	Culinary Arts <small>IvyT 111 & POC</small>	Hospitality Management	Human & Social Services
Introduction to Business	Nutrition and Wellness	Nutrition and Wellness	Nutrition and Wellness
Interpersonal Relationships / Personal Management	Introduction to Culinary Arts and Hospitality	Introduction to Culinary Arts and Hospitality	Introduction to Business
Nutrition and Wellness	Advanced Nutrition and Wellness	Introduction to Business	Advanced Nutrition and Wellness
Advanced Nutrition and Wellness	Interpersonal Relationships / Personal Management	Advanced Nutrition and Wellness	Child Development
Cosmetology / EACC- Cosmetology	Culinary Arts and Hospitality Management & EACC- Cul Art & Hosp	Interpersonal Relationships / Personal Management	Human Development and Wellness
Cosmetology / EACC- Cosmetology	EACC- Culinary Arts and Hospitality	Culinary Arts and Hospitality Management & EACC- Cul Art & Hosp	Interpersonal Relationships / Personal Management
			Adult Roles and Responsibilities / Community Living
Business Related Classroom Experience Capstone Course			
Work Based Learning Capstone, Multiple Pathways			

INFORMATION TECHNOLOGY

Computer Science	Networking	PC Support/IT Technology	Programming
IvyT 111 & PCC			
Introduction to Computer Science	Introduction to Computer Science	Introduction to Computer Science	CINS 101 Intro to Microcomputers
CINS 101 Intro to Microcomputers	CINS 101 Intro to Microcomputers I	CINS 101 Intro to Microcomputers	Computer Science I
Computer Science I	Computer Science I I	Computer Science I	Computer Science II: Programming
Computer Science II: Programming	Computer Tech Support / EACC- Comp Network PC Support	Computer Tech Support / EACC- Comp Network PC Support	Computer Science II: Special Topics Projects, Game & Design
Computer Science II: Special Topics Projects, Game & Design	EACC- Computer Networking PC Maintenance	EACC- Computer Networking PC Maintenance	EACC- Computer Networking PC Maintenance
Business Related Classroom Experience Capstone Course			
Work Based Learning Capstone, Multiple Pathways			

STEM

Engineering

IvyT 111 & PCC

Computers in Design & Production

FIRST Tech Challenge IED-FTC 9

Introduction to Engineering and Design (IED)

FIRST Tech Challenge POE-FTC 10

Principles of Engineering (POE)

Non PLTW Civil Engineering and Architecture

Computer Science I

Architectural Drafting and Design I & EACC Mfg & Eng

Automation and Robotics I / Automation & Eng Tech.

PLTW Civil Engineering and Architecture (CEA)

PLTW Digital Electronics (DE)

PLTW Aerospace Engineering (AE)

Engineering Design and Development PLTW

Automation and Robotics I / EACC- Automation and Eng Technology

Business Related Classroom Experience Capstone Course

Work Based Learning Capstone, Multiple Pathways

Penn FIRST Robotics Internship (before 2018-2019) / Graphic Design Internship

BUSINESS AND MARKETING

Accounting and Finance	Entrepreneurship & Management, Business Management focus	Entrepreneurship & Management, Entrepreneurship focus	Marketing Management, Hospitality & Tour	Marketing Management, Marketing	Marketing Management, Sports and Entertainment
IVYT 111 & PCC					
CINS 101 Intro to Microcomputers	CINS 101 Intro to Microcomputers	CINS 101 Intro to Microcomputers	CINS 101 Intro to Microcomputers	CINS 101 Intro to Microcomputers	Introduction to Business
Introduction to Business	Introduction to Business	Introduction to Business	Introduction to Business	Introduction to Business	Principles of Marketing
Introduction to Accounting	Introduction to Accounting	Introduction to Accounting	Principles of Marketing	Principles of Business Management	Sports and Entertainment Marketing
Principles of Business Management	Principles of Marketing	Principles of Business Management	Principles of Marketing	Principles of Marketing	Strategic Marketing
Business Law and Ethics	Principles of Business Management	Principles of Marketing	Business Law and Ethics	Principles of Marketing	Business Law and Ethics
Advanced Accounting	Business Law and Ethics	Principles of Marketing	Strategic Marketing	Strategic Marketing	
Banking and Investment Capstone	Advanced Accounting	Sports and Entertainment Marketing		Business Law and Ethics	
Entrepreneurship and New Ventures Capstone & Startup Moxie	Entrepreneurship and New Ventures Capstone & Startup Moxie	Advanced Accounting			
	Entrepreneurship and New Ventures Capstone & Startup Moxie	Entrepreneurship and New Ventures Capstone & Startup Moxie			
Business Related Classroom Experience Capstone Course					
Office Student Internship & TV Broadcast Intern & CSI					
Work Based Learning Capstone, Multiple Pathways					

ARTS, AV TECHNOLOGY AND COMMUNICATION

Commercial Photography	Fashion, Textiles & Design	Interactive Media	Radio/TV	Visual Communication
		IWT 111 & PCC		
Introduction to Communication	Introduction to Fashion and Textiles	Introduction to Communication	Introduction to Communication	Introduction to Communication
Introduction to Design Processes	Introduction to Design Processes	Interactive Media	Radio & Television I & EACC- Audio Video Production	EACC- Commercial Photography
EACC- Commercial Photography	Fashion and Textile Careers I	EACC- Graphic Design	EACC- Graphic Design	Interactive Media
EACC- Commercial Photography & EACC Graphic Design	EACC- Graphic Design	Web Design	Radio & Television II & Telecom Intern & EACC- AV Prod.	EACC- Graphic Design
	Fashion Merchandising OR Fashion & Textile Careers II	EACC- Commercial Photography & EACC Graphic Design		Web Design
				EACC- Commercial Photography & EACC Graphic Design
				Fashion Merchandising OR Fashion & Textile Careers II
Business Related Classroom Experience Capstone Course				
Work Based Learning Capstone, Multiple Pathways				

Course Fees

Course # and Title	Fee Type	Fee	Notes
0101 Painting I	Supplemental	\$15.00	
0102 Painting II	Supplemental	\$15.00	
0103 Painting III	Supplemental	\$15.00	
0104 Painting IV	Supplemental	\$15.00	
0105 Painting V	Supplemental	\$15.00	
0106 Painting VI	Supplemental	\$15.00	
0109 Ceramics I	Supplemental	\$20.00	
0110 Ceramics II	Supplemental	\$20.00	
0111 Ceramics III	Supplemental	\$20.00	
0112 Ceramics IV	Supplemental	\$20.00	
0113 Ceramics V	Supplemental	\$20.00	
0114 Ceramics VI	Supplemental	\$20.00	
0115 Ceramics VII	Supplemental	\$20.00	
0116 Ceramics VIII	Supplemental	\$20.00	
0117 Drawing I	Supplemental	\$15.00	
0118 Drawing II	Supplemental	\$15.00	
0119 Drawing III	Supplemental	\$15.00	
0120 Drawing IV	Supplemental	\$15.00	
0121 Drawing V	Supplemental	\$15.00	
0122 Drawing VI	Supplemental	\$15.00	
0125 Sculpture I	Supplemental	\$17.50	
0126 Sculpture II	Supplemental	\$17.50	
0127 Sculpture III	Supplemental	\$17.50	
0128 Sculpture IV	Supplemental	\$17.50	
0129 Sculpture V	Supplemental	\$17.50	
0130 Sculpture VI	Supplemental	\$17.50	
0131 Sculpture VII	Supplemental	\$17.50	
0132 Sculpture VIII	Supplemental	\$17.50	
0133 Graphic Design I	Supplemental	\$15.00	
0134 Graphic Design II	Supplemental	\$15.00	
0135 Graphic Design III	Supplemental	\$12.50	
0136 Graphic Design IV	Supplemental	\$12.50	
0137 Graphic Design V	Supplemental	\$12.50	
0138 Graphic Design VI	Supplemental	\$12.50	
0139 Graphic Design Internship	Supplemental	\$25.00	
0141 Photography I	Supplemental	\$17.50	
0142 Photography II	Supplemental	\$17.50	
0143 Photography III	Supplemental	\$17.50	
0144 Photography IV	Supplemental	\$17.50	
0149 2-D Design	Supplemental	\$20.00	
0150 3-D Design	Supplemental	\$20.00	

Course # and Title	Fee Type	Fee	Notes
0151 Advanced 2D Art (Juniors)	Supplemental	\$17.50	
0152 Advanced 2D Art (Juniors)	Supplemental	\$17.50	
0153 AP Studio Art Drawing (Seniors)	AP Test	\$85.00	
0153 AP Studio Art Drawing (Seniors)	Supplemental	\$35.00	
0154 AP Studio Art 2D Design (Seniors)	AP Test	\$85.00	
0154 AP Studio Art 2D Design (Seniors)	Supplemental	\$35.00	
0155 Art History	Supplemental	\$7.50	
0156 Advanced Art History	Supplemental	\$7.50	
0157 Advanced 3D Art	Supplemental	\$17.50	
0158 Advanced 3D Art	Supplemental	\$17.50	
0165 AP Art History	AP Test	\$85.00	
0165 AP Art History	Paperback	\$25.00	
0165 AP Art History	Supplemental	\$25.00	
0167 Printmaking	Supplemental	\$20.00	
0169 Portfolio Exit Project	Supplemental	\$20.00	
0171 Entertainment Design I	Supplemental	\$12.50	
0171 Entertainment Design I	Textbook	\$8.23	
0172 Entertainment Design II	Supplemental	\$12.50	
0173 AP Studio Art Photo	AP Test	\$85.00	
0173 AP Studio Art Photo	Supplemental	\$35.00	
0175 AP Studio Art I 3D Sculpture	AP Test	\$85.00	
0175 AP Studio Art I 3D Sculpture	Supplemental	\$35.00	
0177 Entertainment Design III	Supplemental	\$17.50	
0178 Entertainment Design IV	Supplemental	\$17.50	
0183 Visual Communication	Supplemental	\$17.50	
0184 Visual Communication	Supplemental	\$17.50	
0203 Intro Computer Science	Supplemental	\$3.00	
0204 Intro Computer Science	Supplemental	\$3.00	
0205 Computer Illustration and Graphics	Supplemental	\$10.00	
0207 Personal Financial Responsibility	Supplemental	\$2.00	
0208 Personal Financial Responsibility	Supplemental	\$2.00	
0209 Business Law and Ethics	Textbook	\$3.00	
0211 Introduction to Entrepreneurship	Supplemental	\$5.00	
0212 Introduction to Entrepreneurship	Supplemental	\$5.00	
0213 Introduction to Accounting I	Workbook	\$35.00	
0213 Introduction to Accounting I	Workbook	\$40.00	
0215 Advanced Accounting	Supplemental	\$6.00	
0215 Advanced Accounting	Workbook	\$41.00	
0217 Computer Science I	Supplemental	\$3.00	
0219 Computer Science II- Programming	Supplemental	\$3.00	
0221 Computer Programming II-Special Topics	Supplemental	\$5.00	
0223 ACP Cadet Teaching Experience	Supplemental	\$6.00	

Course # and Title	Fee Type	Fee	Notes
0223 ACP Cadet Teaching Experience	Textbook	\$9.40	
0225 Professional Business Career Experience (class)	Supplemental	\$5.00	
0229 Principles of Marketing	Supplemental	\$2.00	
0231 Advanced Cadet Teaching	Supplemental	\$2.00	
0231 Advanced Cadet Teaching	Textbook	\$9.15	
0233 Strategic Marketing	Supplemental	\$4.00	
0235 Introduction to Business	Supplemental	\$5.00	
0236 Introduction to Business	Supplemental	\$5.00	
0237 Principles of Business Management	Supplemental	\$5.00	
0255 Sports and Entertainment Marketing	Supplemental	\$6.00	
0259 CINS	Supplemental	\$3.00	
0260 CINS	Supplemental	\$3.00	
0261 AP Computer Science Principles	AP Test	\$85.00	10th Grade Only
0261 AP Computer Science Principles	Supplemental	\$3.00	
0265 ACP Advanced Business Management	Supplemental	\$2.00	
0265 ACP Advanced Business Management	Textbook	\$19.78	
0266 ACP Advanced Business Management	Supplemental	\$2.00	
0266 ACP Advanced Business Management	Textbook	\$19.78	
0267 Banking & Invest Capstone	Supplemental	\$2.00	
0269 Digital Applications & Resp	Supplemental	\$3.00	
0270 Digital Applications & Resp	Supplemental	\$3.00	
0301 English 9	Paperback	\$29.00	
0301 English 9	Supplemental	\$5.00	
0305 English 9 Honors	Paperback	\$31.00	
0305 English 9 Honors	Supplemental	\$5.00	
0307 English 10	Paperback	\$29.00	
0307 English 10	Supplemental	\$5.00	
0311 English 10 Hon	Paperback	\$31.00	
0311 English 10 Hon	Supplemental	\$5.00	
0313 English 11	Paperback	\$30.00	
0313 English 11	Supplemental	\$5.00	
0315 AP English Language 11	AP Test	\$85.00	10th Grade Only
0315 AP English Language 11	Paperback	\$40.00	
0315 AP English Language 11	Supplemental	\$5.00	
0320 English 11 Honors Seminar	Paperback	\$30.00	
0320 English 11 Honors Seminar	Supplemental	\$5.00	
0321 English 12	Paperback	\$15.00	
0321 English 12	Supplemental	\$5.00	
0325 ACP Composition - W131	Paperback	\$22.00	
0325 ACP Composition - W131	Supplemental	\$5.00	
0325 ACP Composition - W131	Textbook	\$68.49	
0326 ACP Literature - L202	Paperback	\$22.00	

Course # and Title	Fee Type	Fee	Notes
0326 ACP Literature - L202	Supplemental	\$5.00	
0326 ACP Literature - L202	Textbook	\$85.99	
0327 AP English Language Seminar	AP Test	\$85.00	10th Grade Only
0327 AP English Language Seminar	Paperback	\$40.00	
0327 AP English Language Seminar	Supplemental	\$5.00	
0329 AP English Literature	AP Test	\$85.00	10th Grade Only
0329 AP English Literature	Paperback	\$36.00	
0329 AP English Literature	Supplemental	\$5.00	
0333 Journalism	Supplemental	\$5.00	
0337 Student Media-Yearbook	Supplemental	\$5.00	
0339 Creative Writing	Supplemental	\$3.50	
0340 Composition	Supplemental	\$3.50	
0341 Student Media-Spectrum	Supplemental	\$7.00	
0343 Theatre Arts I	Supplemental	\$12.50	
0344 Theatre Arts II	Supplemental	\$12.50	
0345 Advanced Theatre Arts I	Supplemental	\$12.50	
0346 Advanced Theatre Arts II	Supplemental	\$12.50	
0347 Technical Theatre I	Supplemental	\$12.50	
0348 Technical Theatre II	Supplemental	\$12.50	
0349 Debate I	Supplemental	\$20.00	
0351 Ivy Tech Comm 101 - Speech	Supplemental	\$5.00	
0352 Ivy Tech Comm 101 - Speech	Supplemental	\$5.00	
0353 Critical Thinking & Argumentation	Supplemental	\$5.00	
0355 Developmental Reading I	Supplemental	\$8.00	
0369 Radio & Television 1	Supplemental	\$10.00	
0371 Radio & Television II & Telecommunication Internship	Supplemental	\$10.00	
0373 Film Literature	Supplemental	\$7.50	
0379 Developmental Reading II	Supplemental	\$8.00	
0381 Advanced Technical Theatre I	Supplemental	\$12.50	
0382 Advanced Technical Theatre II	Supplemental	\$12.50	
0383 Advanced Acting I	Supplemental	\$12.50	
0384 Advanced Acting II	Supplemental	\$12.50	
0393 Sports Journalism	Supplemental	\$10.00	
0397 Themes in Literature- Mythology	Paperback	\$15.00	
0397 Themes in Literature- Mythology	Supplemental	\$5.00	
0398 Ivy Tech 111	Paperback	\$20.00	
0398 Ivy Tech 111	Supplemental	\$7.50	
0399 Ivy Tech 111/112	Textbook	TBD	
0399 Ivy Tech 112	Supplemental	\$7.50	
0401 French I	Supplemental	\$5.00	
0401 French I	Textbook	\$25.66	

Course # and Title	Fee Type	Fee	Notes
0403 French II	Supplemental	\$5.00	
0403 French II	Textbook	\$25.66	
0405 French III	Supplemental	\$5.00	
0405 French III	Workbook	\$18.70	
0407 French IV	Paperback	\$25.00	
0407 French IV	Supplemental	\$5.00	
0408 AP French	AP Test	\$85.00	
0408 AP French	Paperback	\$11.00	
0408 AP French	Supplemental	\$5.00	
0409 German I	Supplemental	\$5.00	
0409 German I	Textbook	\$34.40	
0411 German II	Supplemental	\$5.00	
0411 German II	Textbook	\$34.40	
0413 German III	Paperback	\$36.50	
0413 German III	Supplemental	\$5.00	
0415 German IV	Paperback	\$56.50	
0415 German IV	Supplemental	\$5.00	
0416 AP German	AP Test	\$85.00	
0416 AP German	Paperback	TBD	
0416 AP German	Supplemental	\$5.00	
0417 Spanish I	Supplemental	\$5.00	
0417 Spanish I	Textbook	\$17.86	
0418 Spanish for Spanish Speakers	Supplemental	\$5.00	
0419 Spanish II	Supplemental	\$5.00	
0419 Spanish II	Textbook	\$17.86	
0421 Spanish III	Supplemental	\$5.00	
0421 Spanish III	Textbook	\$17.86	
0423 Spanish IV	Paperback	\$25.00	
0423 Spanish IV	Supplemental	\$5.00	
0423 Spanish IV	Workbook	\$15.00	
0424 AP Spanish	AP Test	\$85.00	
0424 AP Spanish	Paperback	\$30.00	
0424 AP Spanish	Supplemental	\$5.00	
0424 AP Spanish	Textbook	\$13.25	
0424 AP Spanish	Workbook	\$25.00	
0425 Japanese I	Supplemental	\$3.00	
0425 Japanese I	Textbook	\$18.19	
0425 Japanese I	Workbook	\$29.99	
0427 Japanese V	Supplemental	\$3.00	
0427 Japanese V	Textbook	\$23.39	
0431 Japanese II	Supplemental	\$3.00	
0431 Japanese II	Textbook	\$20.79	

Course # and Title	Fee Type	Fee	Notes
0431 Japanese II	Workbook	\$32.99	
0433 Japanese III	Supplemental	\$3.00	
0433 Japanese III	Textbook	\$23.39	
0433 Japanese III	Workbook	\$29.99	
0435 Japanese IV	Supplemental	\$3.00	
0435 Japanese IV	Textbook	\$23.39	
0437 American Sign Language	Supplemental	\$3.00	
0437 American Sign Language	Workbook	\$62.50	
0439 American Sign Language II	Supplemental	\$3.00	
0439 American Sign Language II	Workbook	\$62.50	
0441 American Sign Language III	Supplemental	\$3.00	
0441 American Sign Language III	Workbook	\$52.46	
0443 American Sign Language IV	Supplemental	\$3.00	
0443 American Sign Language IV	Workbook	\$52.46	
0445 Spanish I Accelerated	Supplemental	\$5.00	
0445 Spanish I Accelerated	Textbook	\$17.86	
0447 Chinese I	Supplemental	\$5.00	
0447 Chinese I	Textbook	\$12.00	
0447 Chinese I	Workbook	\$24.68	
0449 Chinese II	Supplemental	\$5.00	
0449 Chinese II	Textbook	\$12.00	
0449 Chinese II	Workbook	\$25.16	
0453 Spanish II Accelerated	Supplemental	\$5.00	
0453 Spanish II Accelerated	Textbook	\$17.86	
0455 Spanish III Accelerated	Supplemental	\$5.00	
0455 Spanish III Accelerated	Textbook	\$17.86	
0457 Chinese III	Supplemental	\$5.00	
0457 Chinese III	Textbook	\$11.50	
0457 Chinese III	Workbook	\$35.06	
0467 Chinese IV	Supplemental	\$5.00	
0467 Chinese IV	Textbook	\$11.90	
0467 Chinese IV	Workbook	\$33.99	
0469 AP Chinese	AP Test	\$85.00	
0469 AP Chinese	Supplemental	\$5.00	
0469 AP Chinese	Textbook	\$16.00	
0469 AP Chinese	Workbook	\$29.99	
0501 Physical Education I	Supplemental	\$4.00	
0502 Physical Education II	Supplemental	\$4.00	
0503 Applied Physical Education I	Supplemental	\$1.00	
0504 Applied Physical Education II	Supplemental	\$1.00	
0505 Fitness I	Supplemental	\$2.00	
0506 Fitness I	Supplemental	\$2.00	

Course # and Title	Fee Type	Fee	Notes
0507 Advanced Team Sports	Supplemental	\$2.00	
0508 Advanced Team Sports	Supplemental	\$2.00	
0509 Fitness II	Supplemental	\$2.00	
0510 Fitness II	Supplemental	\$2.00	
0513 Lifeguarding	Supplemental	\$35.00	
0513 Lifeguarding	Textbook	\$27.83	
0514 Lifeguarding	Supplemental	\$35.00	
0514 Lifeguarding	Textbook	\$27.83	
0515 Health Education	Supplemental	\$8.00	
0516 Health Education	Supplemental	\$8.00	
0517 Advanced Health Education	Supplemental	\$5.00	
0518 Advanced Health Education	Supplemental	\$5.00	
0521 Water Activities	Supplemental	\$3.00	
0522 Water Activities	Supplemental	\$3.00	
0525 Physical Conditioning I (0 hour)	Supplemental	\$5.00	
0526 Physical Conditioning II (0 hour)	Supplemental	\$5.00	
0529 Physical Conditioning I (football)	Supplemental	\$5.00	
0530 Physical Conditioning II (football)	Supplemental	\$5.00	
0533 XFit	Supplemental	\$2.00	
0534 XFit	Supplemental	\$2.00	
0535 Health Science I- Ath Trn	Supplemental	\$25.00	
0537 Physical Conditioning I	Supplemental	\$5.00	
0538 Physical Conditioning II	Supplemental	\$5.00	
0541 Basketball - Recreation	Supplemental	\$3.00	
0542 Basketball - Recreation	Supplemental	\$3.00	
0547 Advanced Team Sports (Girls)	Supplemental	\$2.00	
0548 Advanced Team Sports (Girls)	Supplemental	\$2.00	
0551 Physical Conditioning I (no credit)	Supplemental	\$5.00	
0552 Physical Conditioning II (no credit)	Supplemental	\$5.00	
0602 FIRST Tech Challenge IED FTC 9	Supplemental	\$40.00	
0603 Computers in Design & Production	Supplemental	\$20.00	
0604 Architectural Design I	Supplemental	\$20.00	
0605 PLTW Intro Engineering Design (IED)	Supplemental	\$30.00	
0606 PLTW Intro to Engineering Design (IED) -Girls	Supplemental	\$30.00	
0607 PLTW Principles Of Engineering (POE)	Supplemental	\$25.00	
0608 PLTW Engineering Design & Development (EDD)	Supplemental	\$20.00	
0609 Automation/Robotics I	Supplemental	\$46.00	
0610 Automation/Robotics II	Supplemental	\$46.00	
0612 FIRST Tech Challenge (POE) FTC 10th	Supplemental	\$40.00	
0613 PLTW Digital Electronics	Supplemental	\$30.00	
0614 FIRST Tech Challenge IED FTC 9	Supplemental	\$40.00	
0615 Information Technology Support	Supplemental	\$15.00	

Course # and Title	Fee Type	Fee	Notes
0616 FIRST Tech Challenge (POE) FTC 10th	Supplemental	\$40.00	
0620 Welding Technology I	Supplemental	\$35.00	
0622 Welding Technology II	Supplemental	\$35.00	
0625 Advanced Manufacturing I	Supplemental	\$40.00	
0627 Advanced Manufacturing II	Supplemental	\$35.00	
0629 Intro to Construction	Supplemental	\$30.00	
0631 Construction Trades	Supplemental	\$40.00	
0633 Vocational Building Trades I	Supplemental	\$30.00	
0643 Animal Science	Supplemental	\$5.00	
0644 Introduction to Ag, Food, & NR	Supplemental	\$5.00	
0645 Advanced Life Sciences	Supplemental	\$7.00	
0647 Agribusiness Management	Supplemental	\$5.00	
0649 Natural Resources	Supplemental	\$5.00	
0651 Landscape Management	Supplemental	\$5.00	
0653 PLTW Aerospace Engineering	Supplemental	\$36.00	
0654 Non PLTW Civil Eng & Arch	Supplemental	\$20.00	
0655 PLTW Civil Engineering & Architecture (CEA)	Supplemental	\$20.00	
0656 Architectural Design II	Supplemental	\$20.00	
0659 Horticultural Science	Supplemental	\$5.00	
0674 Professional Career Internship	Supplemental	\$3.00	
0675 Professional Career Internship	Supplemental	\$3.00	
0677 Penn FIRST Robotics Internship I	Supplemental	\$32.00	
0678 Penn FIRST Robotics Internship II	Supplemental	\$32.00	
0680 Professional Career Internship	Supplemental	\$3.00	
0681 Professional Career Internship	Supplemental	\$3.00	
0682 Professional Career Internship	Supplemental	\$3.00	
0683 Professional Career Internship	Supplemental	\$3.00	
0684 Professional Career Internship	Supplemental	\$3.00	
0685 Professional Career Internship	Supplemental	\$3.00	
0686 Professional Career Internship	Supplemental	\$3.00	
0687 Professional Career Internship	Supplemental	\$3.00	
0707 Algebra I (9 retakers)	Supplemental	\$4.00	
0710 Algebra II 11-12 (CPM)	Supplemental	\$4.00	
0712 Algebra II Accelerated	Supplemental	\$3.00	
0713 Algebra II Honors- 9	Supplemental	\$3.00	
0714 Alg II H 10-12	Supplemental	\$3.00	
0717 Algebra I (9) CPM	Supplemental	\$4.00	
0718 Algebra I 10-12	Supplemental	\$5.00	
0724 Algebra II	Supplemental	\$5.00	
0725 Geometry Accelerated - 9	Supplemental	\$4.00	
0728 Geometry	Supplemental	\$4.00	
0732 Trigonometry	Supplemental	\$1.50	

Course # and Title	Fee Type	Fee	Notes
0733 Pre Calculus Honors	Supplemental	\$1.50	
0735 Pre Calculus Accelerated	Supplemental	\$1.50	
0736 Trigonometry Accelerated	Supplemental	\$1.50	
0737 AP Calculus AB	AP Test	\$85.00	10th Grade Only
0737 AP Calculus AB	Supplemental	\$3.00	
0738 Trigonometry Honors	Supplemental	\$1.50	
0739 CCR Bridge: Math	Supplemental	\$3.00	
0739 CCR Bridge: Math	Workbook	\$17.00	
0745 AP Calculus BC	AP Test	\$85.00	10th Grade Only
0745 AP Calculus BC	Supplemental	\$3.00	
0747 Multivariable Calculus	Supplemental	\$3.00	
0747 Multivariable Calculus	Textbook	TBD	
0749 Differential Equations	Supplemental	\$3.00	
0749 Differential Equations	Textbook	TBD	
0753 Pre Calculus	Supplemental	\$1.50	
0759 Finite Math Ivy Tech 135	Supplemental	\$3.00	
0759 Finite Math Ivy Tech 135	Textbook	\$25.27	
0765 ACP Calculus M215 (IU)	Supplemental	\$3.00	
0767 AP Statistics	AP Test	\$85.00	10th Grade Only
0767 AP Statistics	Supplemental	\$3.00	
0769 ACP Calculus M216 (IU)	Supplemental	\$3.00	
0771 Probability and Statistics	Supplemental	\$3.00	
0772 Probability and Statistics	Supplemental	\$3.00	
0773 Math 10	Supplemental	\$5.00	
0775 Algebra I Lab	Supplemental	\$5.00	
0787 ACP Business Calc M119 (IU)	Supplemental	\$3.00	
0789 College Algebra Ivy Tech 136	Supplemental	\$3.00	
0800 Fine Arts Connections Capstone	Supplemental	\$5.00	
0801 Beginning Choral (Singing Kingsmen)	Supplemental	\$30.00	
0803 Beginning Choral (Bel Canto Chorus)	Supplemental	\$30.00	
0805 Intermediate Choral (Singing Kingsmen)	Supplemental	\$25.00	
0807 Intermediate Choral (Cantabile Chorus)	Supplemental	\$30.00	
0809 Advanced Choral (Bella Voce)	Supplemental	\$35.00	
0811 Advanced Choral (Concert Choir)	Supplemental	\$35.00	
0813 Advanced Choral (Rhapsody)	Supplemental	\$120.00	
0814 Advanced Choral (Viva Voce)	Supplemental	\$70.00	
0815 Music Theory and Composition I	Supplemental	\$1.00	
0815 Music Theory and Composition I	Workbook	TBD	
0817 Intermediate Concert Band (Freshmen)	Supplemental	\$45.00	
0819 Intermediate Concert Band (Concert Band)	Supplemental	\$45.00	
0823 Instrumental Ensemble (Percussion Studies)	Supplemental	\$45.00	
0825 Inst Ensemble (Advanced Percussion Studies)	Supplemental	\$45.00	

Course # and Title	Fee Type	Fee	Notes
0827 Intermediate Jazz Ensemble	Supplemental	\$20.00	
0829 Advanced Jazz Ensemble	Supplemental	\$20.00	
0831 String Orchestra	Supplemental	\$45.00	
0833 Symphonic Orchestra	Supplemental	\$45.00	
0835 Dance Performance I	Supplemental	\$2.50	
0836 Dance Performance II	Supplemental	\$2.50	
0837 Dance Choreography I	Supplemental	\$2.50	
0838 Dance Choreography II	Supplemental	\$2.50	
0839 Advanced Concert Band (Symphonic Band)	Supplemental	\$45.00	
0841 Advanced Concert Band (Symphonic Winds)	Supplemental	\$45.00	
0843 Music Technology I	Supplemental	\$16.00	
0844 Music Technology II	Supplemental	\$16.00	
0845 AP Music Theory I	AP Test	\$85.00	
0845 AP Music Theory I	Supplemental	\$2.00	
0847 Concert Orchestra	Supplemental	\$45.00	
0849 Instrumental Chamber Music	Supplemental	\$45.00	
0850 Advanced Dance I	Supplemental	\$37.50	
0851 Advanced Dance II	Supplemental	\$37.50	
0853 Dance Choreography III	Supplemental	\$2.50	
0854 Dance Choreography IV	Supplemental	\$2.50	
0857 Instrumental Ensemble (Chamber Orchestra)	Supplemental	\$45.00	
0905 Biology I	Supplemental	\$6.00	
0907 Biology I Honors	Supplemental	\$6.00	
0909 PLTW Princ of Biomedical Sci (PBS)	Supplemental	\$7.00	
0911 PLTW Human Body Systems (HBS)	Supplemental	\$10.00	
0913 Anatomy and Physiology	Paperback	\$13.00	
0913 Anatomy and Physiology	Supplemental	\$25.00	
0913 Anatomy and Physiology	Textbook	\$15.39	
0915 Integrated Chemistry-Physics	Supplemental	\$5.00	
0919 Chemistry I Honors	Supplemental	\$5.00	
0919 Chemistry I Honors	Textbook	\$15.78	
0921 Chemistry I	Supplemental	\$5.00	
0921 Chemistry I	Textbook	\$13.53	
0923 Chemistry II	Supplemental	\$5.00	
0923 Chemistry II	Textbook	\$23.16	
0925 Astronomy	Supplemental	\$2.00	
0925 Astronomy	Workbook	\$35.00	
0929 Physics I	Supplemental	\$4.00	
0929 Physics I	Textbook	\$20.25	
0933 Physics II	Supplemental	\$29.00	
0933 Physics II	Textbook	\$20.25	
0935 AP Biology	AP Test	\$85.00	10th Grade Only

Course # and Title	Fee Type	Fee	Notes
0935 AP Biology	Supplemental	\$8.00	
0935 AP Biology	Workbook	\$11.71	
0937 AP Chemistry	AP Test	\$85.00	10th Grade Only
0937 AP Chemistry	Supplemental	\$7.00	
0937 AP Chemistry	Textbook	\$24.96	
0941 Earth-Space Science	Supplemental	\$6.00	
0943 Environmental Science	Supplemental	\$14.00	
0945 AP Environmental Science	AP Test	\$85.00	10th Grade Only
0945 AP Environmental Science	Supplemental	\$14.00	
0945 AP Environmental Science	Textbook	\$16.35	
0947 AP Physics C E & M	AP Test	\$85.00	10th Grade Only
0947 AP Physics C E & M	Supplemental	\$8.00	
0947 AP Physics C E & M	Textbook	\$35.55	
0949 Nanotechnology	Supplemental	\$4.00	
0950 Nanotechnology	Supplemental	\$4.00	
0951 Forensic Science	Supplemental	\$4.00	
0951 Forensic Science	Textbook	\$6.96	
0952 Forensic Science	Supplemental	\$4.00	
0952 Forensic Science	Textbook	\$6.96	
0953 Science Research Indpt Study	Supplemental	\$4.00	
0955 Oceanography	Supplemental	\$6.00	
0961 PLTW Medical Interventions	Supplemental	\$66.00	
0963 AP Phys-C Mechanics	AP Test	\$85.00	10th Grade Only
0963 AP Phys-C Mechanics	Supplemental	\$6.00	
0963 AP Phys-C Mechanics	Textbook	\$35.55	
0965- ACP Biology	Supplemental	\$28.00	
0965- ACP Biology	Textbook	\$45.25	
0967 Biomedical Innovations	Supplemental	\$42.00	
1001 Interpersonal Relations	Supplemental	\$3.00	
1003 Human Development & Wellness	Supplemental	\$3.00	
1005 Education Professions	Supplemental	\$9.00	
1007 Nutrition and Wellness	Supplemental	\$12.50	
1008 Adv Nut and Wellness	Supplemental	\$12.50	
1009 Culinary Arts and Hospitality I	Supplemental	\$25.00	
1011 Adult Roles & Responsibilities	Supplemental	\$3.00	
1012 Introduction to Housing & Interior Design	Supplemental	\$10.00	
1013 Introduction to Culinary Arts & Hospitality	Supplemental	\$3.00	
1013 Introduction to Culinary Arts & Hospitality	Textbook	\$21.60	
1014 Adult Roles & Responsibilities	Supplemental	\$3.00	
1016- Introduction to Culinary Arts & Hospitality	Supplemental	\$3.00	
1016- Introduction to Culinary Arts & Hospitality	Textbook	\$21.60	
1022 Human Development & Wellness	Supplemental	\$3.00	

Course # and Title	Fee Type	Fee	Notes
1023 Child Development	Supplemental	\$4.50	
1024 Interpersonal Relations	Supplemental	\$3.00	
1025 Introduction to Fashion & Textiles	Supplemental	\$14.00	
1026 Advanced Child Development	Supplemental	\$4.50	
1027 Fashion & Textiles Careers I	Supplemental	\$15.00	
1029 Fashion & Textiles Careers II	Supplemental	\$3.00	
1029 Fashion & Textiles Careers II	Textbook	\$15.05	
1103 World History and Civilization	Supplemental	\$5.00	
1105 Geography & History of the World	Supplemental	\$5.00	
1109 U S History	Supplemental	\$5.00	
1115 US Government	Supplemental	\$3.00	
1116 US Government	Supplemental	\$3.00	
1121 Economics	Supplemental	\$2.50	
1122 Economics	Supplemental	\$2.50	
1123 AP Economics Macro	AP Test	\$85.00	
1123 AP Economics Macro	Supplemental	\$2.50	
1123 AP Economics Macro	Textbook	\$22.00	
1124 AP Economics Micro	AP Test	\$85.00	
1124 AP Economics Micro	Supplemental	\$2.50	
1124 AP Economics Micro	Textbook	\$22.00	
1125 Psychology	Supplemental	\$5.00	
1126 Psychology	Supplemental	\$5.00	
1127 Sociology	Supplemental	\$5.00	
1128 Sociology	Supplemental	\$5.00	
1129 Current Issues	Supplemental	\$25.00	
1130 Current Issues	Supplemental	\$25.00	
1131 AP US History	AP Test	\$85.00	
1131 AP US History	Paperback	\$15.50	
1131 AP US History	Supplemental	\$5.00	
1135 AP Psychology	AP Test	\$85.00	
1135 AP Psychology	Paperback	\$13.00	
1135 AP Psychology	Supplemental	\$5.00	
1137 AP Human Geography	AP Test	\$85.00	
1137 AP Human Geography	Paperback	\$19.00	
1137 AP Human Geography	Supplemental	\$5.00	
1138 AP US Government	AP Test	\$85.00	
1138 AP US Government	Paperback	\$15.75	
1138 AP US Government	Supplemental	\$3.00	
1139 ACP Gov Political Sci Y103	Supplemental	\$3.00	
1139 ACP Gov Political Sci Y103	Textbook	\$30.00	
1141 Introduction to GIS	Supplemental	\$5.00	
1151 Citizenship and Civics	Supplemental	\$2.50	

Course # and Title	Fee Type	Fee	Notes
1152 Citizenship and Civics	Supplemental	\$2.50	
1153 Anthropology	Paperback	\$15.00	
1153 Anthropology	Supplemental	\$5.00	
1154 Anthropology	Paperback	\$15.00	
1154 Anthropology	Supplemental	\$5.00	
1155 AP Comparative Government & Politics	AP Test	\$85.00	
1155 AP Comparative Government & Politics	Paperback	\$28.00	
1155 AP Comparative Government & Politics	Supplemental	\$5.00	
1155 AP Comparative Government & Politics	Textbook	\$15.00	
1157 ACP US History (IU H105)	Supplemental	\$2.50	
1157 ACP US History (IU H105)	Textbook	\$61.00	
1158 ACP US History (IU H106)	Supplemental	\$2.50	
1159 Topics In US History	Paperback	\$17.00	
1159 Topics In US History	Supplemental	\$10.00	
1160 Topics In US History	Paperback	\$17.00	
1160 Topics In US History	Supplemental	\$10.00	
1161 AP US History	AP Test	\$85.00	
1161 AP US History-AP Eng Lang	Paperback	\$25.00	
1161 AP US History-AP Eng Lang	Supplemental	\$5.00	
1165 AP European History	AP Test	\$85.00	
1165 AP European History	Paperback	\$12.50	
1165 AP European History	Supplemental	\$10.00	
1165 AP European History	Textbook	\$30.23	
1167 Ivy Tech US History 101	Supplemental	\$2.50	
1167 Ivy Tech US History 101	Textbook	\$61.00	
1168 Ivy Tech US History 102	Supplemental	\$2.50	
1169 Geography & History of the World Honors	Supplemental	\$5.00	
1171 Social Justice (sociology)	Supplemental	\$2.50	
1172 Social Justice (anthropology)	Supplemental	\$2.50	
1175 Intro to American Law & Society	Paperback	\$15.00	
1175 Intro to American Law & Society	Supplemental	\$5.00	
1176 Intro to American Law & Society	Paperback	\$15.00	
1176 Intro to American Law & Society	Supplemental	\$5.00	
1177 AP Comp Govt & Pol	AP Test	\$85.00	
1177 AP Comp Govt & Pol	Paperback	\$11.00	
1177 AP Comp Govt & Pol	Supplemental	\$5.00	
1179 ACP US History	Supplemental	\$5.00	
1179 ACP US History	Textbook	\$61.00	
1180 Ethnic Studies	Supplemental	\$5.00	
1181 Indiana Studies	Supplemental	\$5.00	
1201 Applied English 9	Paperback	\$20.00	
1201 Applied English 9	Supplemental	\$10.00	

Course # and Title	Fee Type	Fee	Notes
1203 Applied English 10	Paperback	\$20.00	
1203 Applied English 10	Supplemental	\$10.00	
1205 Applied English 11	Paperback	\$20.00	
1205 Applied English 11	Supplemental	\$15.00	
1207 Applied English 12	Paperback	\$20.00	
1207 Applied English 12	Supplemental	\$15.00	
1209 Applied Geography and History of the World	Supplemental	\$8.00	
1213 Applied Civics	Supplemental	\$7.50	
1216 Applied Money Matters	Supplemental	\$7.50	
1229 Applied Health and Wellness	Supplemental	\$10.00	
1231 Practical Math II	Supplemental	\$15.00	
1233 Practical Math I	Supplemental	\$15.00	
1235 Applied Math I	Supplemental	\$10.00	
1236 Applied Math II	Supplemental	\$10.00	
1237 Applied Biology I	Supplemental	\$5.00	
1238 Applied Biology II	Supplemental	\$5.00	
1239 Work Experience	Supplemental	\$10.00	
1240 Work Experience	Supplemental	\$10.00	
1241 Work Experience	Supplemental	\$10.00	
1242 Work Experience	Supplemental	\$10.00	
1243 Work Experience	Supplemental	\$10.00	
1244 Work Experience	Supplemental	\$10.00	
1245 Work Experience	Supplemental	\$10.00	
1246 Work Experience	Supplemental	\$10.00	
1265 Learning Strategies	Supplemental	\$20.00	
1266 Career Information	Supplemental	\$15.00	
1283 Corrective Reading I	Supplemental	\$10.00	
1285 Corrective Reading II	Supplemental	\$10.00	
1287 Corrective Reading III	Supplemental	\$10.00	
1349 Freshman Connections	Supplemental	\$5.00	
1351 Sophomore Connections	Supplemental	\$2.50	
1352 Sophomore Connections	Supplemental	\$2.50	
1353 Junior Connections	Supplemental	\$2.50	
1354 Junior Connections	Supplemental	\$2.50	
1355 Senior Connections	Supplemental	\$2.50	
1356 Senior Connections	Supplemental	\$2.50	
1603 Peer Leadership	Supplemental	\$6.00	
1605 AP Seminar	Supplemental	TBD	
1605 AP Seminar	Textbook	TBD	
1607 AP Research	Supplemental	TBD	
1607 AP Research	Textbook	TBD	
1609 Topic Psych: Happiness	Paperback	\$30.00	

Course # and Title	Fee Type	Fee	Notes
1658 ENL- Intern. Seminar	Supplemental	\$5.00	
1707 Pennway	Supplemental	\$45.00	
1708 Pennway Am	Supplemental	\$45.00	
1709 Pennway Pm	Supplemental	\$45.00	
1790 Medical Statistics	Supplemental	\$5.00	
1852 Computer Support Internship	Supplemental	\$15.00	
1857 Lifeguard Internship	Supplemental	\$25.00	
1885 SAT/ACT	Paperback	\$21.00	
2100 Social Skills and Self Mgmt	Supplemental	\$10.00	
2101 Social Skills and Self Mgmt	Supplemental	\$10.00	
2200 LS Biology I	Supplemental	\$10.00	
2202 SN Lifeskills/ Daily Living	Supplemental	\$40.00	
2204 LS Language Arts	Supplemental	\$10.00	
2206 SN Vocational	Supplemental	\$10.00	
2208 SN Social Studies	Supplemental	\$10.00	
2210 SN Life Skills	Supplemental	\$10.00	
2212 LS Language Arts 11	Supplemental	\$10.00	
2214 Community	Supplemental	\$10.00	
2216 SN Study Hall	Supplemental	\$15.00	
2218 SN Study Hall	Supplemental	\$15.00	
2220 LS Work Experience	Supplemental	\$10.00	
2222 LS Employability	Supplemental	\$10.00	
2224 LS Biology II	Supplemental	\$10.00	
2226 LS Language Arts 10	Supplemental	\$10.00	
2228 LS Language Arts 12	Supplemental	\$10.00	
2301 English 9 PAEC	Paperback	\$25.00	
2301 English 9 PAEC	Supplemental	\$10.00	
2303 ICP Honors PAEC	Supplemental	\$6.00	
2305 Geometry PAEC	Supplemental	\$5.00	
2305 Geometry PAEC	Textbook	\$20.20	
2306 Algebra I PAEC	Supplemental	\$4.00	
2307 Geography & History of the World PAEC	Supplemental	\$5.00	
2309 Spanish I PAEC	Supplemental	\$3.00	
2309 Spanish I PAEC	Textbook	\$17.86	
2311 Study Skills IVYT111	Supplemental	\$3.00	
2313 Early College Resource 9	Supplemental	\$3.00	
2315 English 10 PAEC	Paperback	\$30.00	
2315 English 10 PAEC	Supplemental	\$10.00	
2317 Topics of History PAEC	Paperback	\$20.00	
2317 Topics of History PAEC	Supplemental	\$3.00	
2318 Topics of History PAEC	Paperback	\$20.00	
2318 Topics of History PAEC	Supplemental	\$3.00	

Course # and Title	Fee Type	Fee	Notes
2319 Biology PAEC	Supplemental	\$11.00	
2321 Algebra II PAEC	Supplemental	\$5.00	
2321 Algebra II PAEC	Textbook	\$26.70	
2323 Spanish II PAEC	Supplemental	\$3.00	
2323 Spanish II PAEC	Textbook	\$17.86	
2329 English 111	Paperback	\$20.00	
2329 English 111	Supplemental	\$5.00	
2331 US History 101	Paperback	\$20.00	
2331 US History 101	Supplemental	\$3.00	
2333 Chemistry 101	Supplemental	\$5.00	
2333 Chemistry 101	Textbook	\$15.78	
2337 Spanish 101	Supplemental	\$5.00	
2337 Spanish 101	Textbook	\$17.86	
2338 Spanish 102	Supplemental	\$3.00	
2339 Communications 101	Supplemental	\$3.00	
2340 Communications 101	Supplemental	\$3.00	
2341 M136 College Algebra PAEC	Supplemental	\$2.50	
2343 M137 Trigonometry	Supplemental	\$2.50	
2346 English L206	Paperback	\$25.00	
2346 English L206	Supplemental	\$2.50	
2347 Pols 101 (Government)	Paperback	\$20.00	
2348 Pols 101 (Government)	Paperback	\$20.00	
2351 Spanish 201	Paperback	\$25.00	
2351 Spanish 201	Supplemental	\$1.50	
2351 Spanish 201	Workbook	\$15.00	
2352 Spanish 202	Supplemental	\$1.50	
2353 M211 Calculus	Supplemental	\$5.00	
2355 Biology 101 PAEC	Supplemental	\$14.00	
2355 Biology 101 PAEC	Textbook	\$14.04	
2356 Biology 101 PAEC	Supplemental	\$14.00	
2356 Biology 101 PAEC	Textbook	\$14.04	
2367 M135 (Finite Math)	Supplemental	\$5.00	
2367 M135 (Finite Math)	Textbook	\$25.27	
2368 M135 (Finite Math 1 sem)	Supplemental	\$2.50	
2368 M135 (Finite Math 1 sem)	Textbook	\$25.27	
2369 English 202	Paperback	\$20.00	
2369 English 202	Supplemental	\$2.50	
2389 MATH 136 PAEC	Supplemental	\$3.00	

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