

2024-2025



*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 support for students to reach their highest academic achievement, while preparing students to be responsible, healthy, contributing citizens. Penn is comprised of the interdependent Smaller Learning Communities of the Freshman Academy, the Science, Technology, Engineering, and Math Academy (STEM), Fine Arts and Communications Academy (FACA), the Management & Business Academy (MBA), the Health and Human Services Academy (HHSA) and the Penn Academy for Early College (PAEC).

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

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

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

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

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

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

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

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

Sincerely,

Sean Galiher  
Principal



## **Penn High School**

Dr. Sean Galiher	Principal
Mrs. Rachel Fry	Associate Principal
Mr. Josiah Parker	Assistant Principal
Mrs. Sarah Hendricks	Assistant Principal
Mrs. Jeanie Mitchell	Assistant Principal
Mrs. Krystal Wheeler	Dean of Students (A-Hamilton)
Mr. Endesha Bonner	Dean of Students (Hamm-Parmelee)
Mr. Vince DeDario	Dean of Students (Parnell-Z)
Mr. Dave Hall	Assessment Coordinator
Mr. Jeff Hart	Director of Athletics and Activities
Mrs. Bridget Williams	Assistant Athletic Director
Ms. Marie Doan	Assistant Athletic Director
Mr. John Gensic	STEM Academy Coordonator
Mr. Glenn Northern	Fine Arts & Communications Academy Coordonator
Mrs. Carolyn McGuire	Freshman Academy Leader
Mrs. Rachel Meyers	Health & Human Services Academy Coordonator
Mr. Kyle Berres	Management & Business Academy Coordonator
Mrs. Danielle Black	Early College Academy Leader
Mrs. Virginia Shafer	Exceptional Education Academy Leader
Mrs. Kelley Watts	World Languages Academy Coordonator
Ms. Caelea Armstrong	Instructional Media Center Specialist
Mr. John Westra	Director of Counseling Services
Mrs. Nancy Block	(Grade 9) Counselor
Mrs. Deana Ward	(Grade 9 / Early College) Counselor
Mrs. Marni Cronk	(Grade 9) Counselor
Mrs. Lynn Stratford	(10-12) Counselor
Mrs. Sandy Hunter	(10-12) Counselor
Mrs. Jennifer Shaw	(10-12) Counselor

Mrs. Amanda Bates	(10-12) Counselor
Mrs. Julie Fell	(10-12) Counselor
Ms. Janiece FitzGerald	(10-12) Counselor
Mrs. Stacy Eck	(10-12 Early College) Counselor
Mrs. Jen Tiller	Wellness Counselor

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 Penn High School Web Page..... [www.penn.phmschools.org](http://www.penn.phmschools.org)  
 Sean Galiher, Principal..... (574) 258-9503  
 E-mail address..... [srgaliher@phm.k12.in.us](mailto:srgaliher@phm.k12.in.us)

Attendance Reporting..... (574) 258-9501  
 Transportation Department..... (574) 258-9565  
 Athletics Office..... (574) 258-9537  
 Counseling Services..... (574) 258-9502  
 Student Services..... (574) 258-9524  
 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. 20850  
 Freshman Academy..... (574) 258-9500 EXT. 20755

**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.
- 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 21<sup>st</sup> 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. Students will still be charged for any course that is dropped after October 1 of each school year.
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/students may choose to have high school courses taken before grade nine added to the high school transcript.

### 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

Course and Credit Requirements	
<b>English/ Language Arts</b>	<b>8 credits</b>
	Including a balance of literature, composition and speech.
<b>Mathematics</b>	<b>6 credits (in grades 9-12)</b>
	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>
<b>Science</b>	<b>6 credits</b>
	2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
<b>Social Studies</b>	<b>6 credits</b>
	2 credits: World History/Civilization or Geography/History of the World 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics
<b>Directed Electives</b>	<b>5 credits</b>
	World Languages Fine Arts Career and Technical Education
<b>Physical Education</b>	<b>2 credits</b>
<b>Health and Wellness</b>	<b>1 credit</b>
<b>Electives*</b>	<b>6 credits</b> (College and Career Pathway courses recommended)
<b>40 Total State Credits Required</b>	

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 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 (world language courses cannot be taken 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.

<b>CORE 40 With Academic Honors</b> <i>(minimum 47 credits)</i>
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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 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.

<b>CORE 40 with Technical Honors</b> <i>(minimum 47 credits)</i>
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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:
  1. Pathway designated industry based certification or credential, or
  2. Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits
- Earn a grade of “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following:
  - A. Any one of the options (A-F) of the Core 40 with Academic Honors
  - B. Earn the following scores or higher on WorkKeys; Reading for Information - Level 6, Applied Mathematics - Level 6, and Locating Information - Level 5.
  - C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
  - D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.

## 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 the 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.

## Graduation Requirements

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.

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 prepare 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.

Students must now satisfy at least one option from each of the three requirements (boxes) listed in the table below in order to graduate. In addition to the listed graduation requirements students are also required to attend a job fair during their junior and senior year, attend a college/career coaching session during their junior and senior year, and fill out the FAFSA (Free Application for Federal Student Aid) during their senior year. Penn High School will have all of these events scheduled and offered during the school day.

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 and 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**

## Indiana High School Graduation Requirements

Requirements	Graduation Pathway Options
<p><b>1) High School Diploma</b> (Students must complete the course requirements of one of the following diplomas.)</p>	<ul style="list-style-type: none"> <li>● Core 40 designation;</li> <li>● Academic Honors designation;</li> <li>● Technical Honors designation;</li> <li>● General Diploma</li> </ul>
<p><b>2) Learn and Demonstrate Employability Skills</b> (Students must complete <u>at least one</u> of the following employability experiences.)</p>	<p>Learn employability skills standards through locally developed programs. Employability skills are demonstrated by <u>one</u> the following:</p> <ul style="list-style-type: none"> <li>● <b>Project-Based Learning Experience;</b> OR</li> <li>● <b>Service-Based Learning Experience;</b> OR</li> <li>● <b>Work-Based Learning Experience.</b></li> </ul>
<p><b>3) Postsecondary-Ready Competencies</b> (Students must complete <u>at least one</u> of the following.)</p>	<ul style="list-style-type: none"> <li>● <b>Honors Designation:</b> Fulfill all requirements of either the Academic or Technical Honors designation; OR</li> <li>● <b>ACT:</b> Minimum score of 18 in English, 22 in Math and 23 in Science; OR</li> <li>● <b>SAT:</b> Minimum score of 480 in English and 530 in Math; OR</li> <li>● <b>ASVAB:</b> Earn at least the minimum AFQT score of 31 to qualify for placement into one of the branches of the US military AND plan on entering the military; OR</li> <li>● <b>State- and Industry-recognized Credential or Certification:</b> OR</li> <li>● <b>Federally-recognized Apprenticeship:</b> OR</li> <li>● <b>Career-Technical Education Concentrator:</b> Must earn a C <u>average</u> or higher in at least two/three advanced courses in a career pathway (class of 2024 = 2 courses, class of 2025-2027 = 3 courses); OR</li> <li>● <b>AP®/IB/Dual Credit/ Exams:</b> Must earn a C <u>average</u> or higher in at least three courses; OR</li> <li>● <b>Locally Created Pathway:</b> Must earn a C average or higher in the identified pathway.</li> </ul>

## 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.

## Pathway Academies

After the freshman year, students choose one of four achievement academies: the Health and Human Services Academy, Fine Arts and Communications Academy, the 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 a meaningful learning path that helps each student with their post-secondary goals.

Students are encouraged to take a minimum of one elective within their chosen 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 also 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 four-year sequence of courses for Early College students is specific and required. Students may select elective courses when available.

The mission of Penn's Academy for Early College is to serve 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 2 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.

# Four Year Plan

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 or Physics (H)	Science	Science/Elective
Geography & History of the World/AP World History	Health ----- Elective	US History (AP®/ACP/Ivy Tech)	Government/Economics (AP®/ACP/Ivy Tech)
Physical Education	AA/Pathway Elective	AA/Pathway Elective	AA/Pathway Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Study Hall & Career Information and Exploration	Study Hall	Study Hall/ Work-Based Learning/ College Based Dual Credit	Study Hall/ Work-Based Learning/ College Based Dual Credit

## 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 Skyward.
- 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.

<b>GRADE</b>	<b>GRADE POINT VALUE</b>
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:

<b>GRADE</b>	<b>GRADE POINT VALUE</b>
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 this 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 this academic year:

- Symphonic Winds- Advanced Concert Band
- Gold Standard- Advanced Choral
- Symphonic Orchestra- Advanced Orchestra
- Advanced Jazz Ensemble
- Medical Statistics
- All dual-credit classes
- Robotics 1-4 if paired with FIRST Robotics Internship
- Spanish IV, German IV, French IV, Japanese IV

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.

<b>GRADE</b>	<b>GRADE POINT VALUE</b>
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 of the semester will 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](http://penn.phmschools.org).

## **Skyward**

Parents have access to Skyward on their personal computer. A password for the site is issued by the school. Both grades and attendance information are available to you with Skyward. Access Skyward through this link:

<https://skyweb.phmschools.org/StudentSTS/>


## **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](http://www.eligibilitycenter.org)

NCAA approved courses are signified with 

NAIA information can be found at: [www.playnaia.org](http://www.playnaia.org)

Penn High School CEEB Code: 152347

## **Fees**

Families will not be charged for curricular fees associated with the courses taken through Penn High School. The newly enacted 2023 Indiana spring legislation only impacts fees charged for curricular materials and does not impact other fees state law permits school corporations to charge. Penn-Harris-Madison has certain charges for non curricular and optional activities. These charges are determined by the cost of materials, services, freight/handling fees, or any additional expenses the school corporation may incur for offering these non curricular and optional activities. If school property is damaged or lost, families may be charged.

# **COUNSELING SERVICES**

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

## **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.

## **Vision Statement**

We believe that students deserve to be surrounded by caring adults, including licensed school counselors, who can support their academic, mental, and emotional needs. We believe students should have continuous access to these services in a safe and equipped environment. We believe students should have the ability to choose and engage in appropriate curriculum, based on their needs, preferences, and potential. We believe students should have equitable access to opportunities that prepare them for post-secondary and life-long success.

## **Your Counselors**

Penn High School has twelve counselors. Three are assigned to our Freshman Academy, six are alphabetically assigned to grades 10-12, with one Early College Counselor. Our Director is the counselor for students in alternative education settings - Pennway and Night School, and also foreign exchange students. We also have a Wellness Counselor that works to meet the social-emotional wellness of students. 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.

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

## **SAT® and ACT**

Some 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](http://collegeboard.com) for the SAT® or [act.org](http://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 utilizes Naviance to fulfill electronic college document requests in conjunction with the use of the Common Application. Both are secure online systems that allow students to order transcripts and submit applications 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 match their Naviance and Common Application accounts in order to connect the two programs for automatic updates. For both Common Application schools and schools with their own electronic application, students must make transcript requests in Naviance. Schools with their own application must be added by the student application list manually within Naviance, Common Application schools will automatically add to the list when the accounts are matched. Students will still submit applications through the Common Application program or directly to an institution but before doing so, schools must be represented accurately on the "Colleges I'm Applying To" list in Naviance. Students hoping to apply in early August must wait for confirmation from the Counseling Center when Naviance is ready to accept new applications and transcript requests for that academic year. Students are notified when the transcript has been sent and when the transcript has been received in Naviance.

**You must allow 10 school days for the Secondary School Report and Counselor Recommendation portions of the Naviance request to be completed.**

Step 1 If using Common Application, match your Common Application and Naviance accounts to add schools to the Naviance application list. If applying directly to an institution, add those schools to the application list in Naviance manually. When schools are accurately listed in Naviance, applications can be submitted electronically.

Step 2 In Naviance, official transcript requests should be made for both Common Application and non-Common Application schools. Request transcripts (in Naviance) for all colleges/universities that will receive your application.

Step 3 Request official ACT or SAT results to be sent to colleges/universities requiring them as part of the application process. ACT scores can be requested online through [www.act.org](http://www.act.org) and SAT scores can be requested online at [www.collegeboard.org](http://www.collegeboard.org). ACT/SAT® scores are not on the Penn High School diploma or transcript.

# **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 a 3.5 grade point average or higher with no grade below C are eligible for the High Honor Roll.

## **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 The National Honor Society, a national organization for the recognition of outstanding students. Membership in The 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 7<sup>th</sup> semester in order to be recognized at senior recognition night and commencement.

## **Latin Honors System**

Penn High School uses a Latin Honors System to recognize academic success . Students can receive the designation of Summa Cum Laude, Magna Cum Laude, and Cum Laude based on minimum GPA requirements. Students must have already completed seven semesters and/or be on track to receive an Academic or Technical Honors diploma at the time of graduation to receive a Latin designation.

<b>Latin Designation</b>	<b>GPA Minimum</b>	<b>Required Diploma Type</b>	<b>Definition</b>
Cum laude	3.75	Core 40	With praise
Magna cum laude	4.00	Academic or Technical Honors	With high praise
Summa cum laude	4.25	Academic or Technical Honors	With highest praise



## Scholarships

Colleges, businesses and industry, as well as civic, fraternal and educational groups offer scholarship opportunities. Students should consult with their counselor and visit the Scholarship area in the College/Career Resource Center (located in the Counseling Center) for more information. A list of scholarships and applications are available in the CCRC, at the Counseling Center web page, and can also be accessed through Twitter by following @PennScholarship. Some of the awards require an examination; others require a written application or an interview. **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 like the Collegeboard's Big Future website ([bigfuture.collegeboard.org](http://bigfuture.collegeboard.org)), FastWeb ([fastweb.com](http://fastweb.com)) and FinAid ([finaid.org](http://finaid.org)).**

In addition, students also have the ability to search for scholarships using Naviance. Partnering with Sallie Mae, Naviance provides students the opportunity to conduct a national scholarship search based on an individual student profile and scholarship filters.

In each of the past several years, Penn students have gathered over eight million dollars in scholarship monies.

## 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. Remaining required credits will be completed in summer school prior, or online through Independent Study during the student's final year of high school.

For students who graduate from a publicly supported high school at least one year early, the Mitch Daniels Early Graduation Scholarship awards students 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. 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 following AP® courses are typically offered at Penn High School:**




AP® African American Studies	AP® German
AP® Art History	AP® Human Geography
AP® Biology	AP® Music Theory
AP® Calculus AB	AP® Physics I (C:Mechanics)
AP® Calculus BC	AP® Physics II (C:Electricity & Magnetism)
AP® Capstone (AP® Seminar & AP® Research)	AP® Physics - Algebra Based
AP® Chemistry	AP® Pre-Calculus
AP® Chinese	AP® Psychology
AP® Comparative Government & Politics	AP® Spanish
AP® Computer Science Principles	AP® Statistics
AP® Computer Science A	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
AP® French	AP® World 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  symbol.

ACP Biology  
ACP Brief Survey of Calculus  
ACP Calculus I  
ACP Calculus II  
ACP Composition & Literature  
ACP Computers in Education  
ACP Examining Self as Teacher  
ACP General Education Psychology  
ACP Microeconomics  
ACP Macroeconomics  
ACP Political Science  
ACP Principles of Business Management  
ACP Speech  
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. Dual Credits are subject to change based on staffing, IDOE crosswalk, and availability.

## 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)
- Cybersecurity (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:

- Complete an online application. Applications are available from your counselor.
- (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.
- Make sure that their schedule for classes in the upcoming school year includes the Elkhart Area Career Center.
- If you use PHM bussing be aware the AM bus leaves at 7:25 am, before the PHM buses arrive at Penn. The PM bus leaves at 11:25 and returns at 3:00.
- Elkhart Area Career Center is a full year expectation.

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](http://www.myeacc.org) for detailed information. Course numbers listed are AM/PM classes. Level 1 courses must be taken before level 2 courses in all pathways.

### Advanced Manufacturing

- **Automation & Robotics I- 1493/1494**  
DOE 7108- Principles of Adv. Manufacturing  
DOE 7103- Adv. Manufac. Technology  
DOE 7106- Mechatronics Systems
- **Automation & Robotics II- 1593/1594**  
DOE 7224- Indust. Automation & Robotics  
Capstone
- **Mechatronics- Indust. Tech. Maint. I- 1483/1484**  
DOE 7108- Principles of Adv. Manufacturing  
DOE 7103- Adv. Manufac. Fundamentals  
DOE 7104- Industrial Maint. Fundamentals
- **Mechatronics- Indust. Tech. Maint. II- 1583/1584**  
DOE 7261- Industrial Maintenance Capstone
- **CNC- Precision Machining I- 1407/1408**  
DOE 7109- Principles of Precision Machining  
DOE 7105- Precision Machining Fundamentals  
DOE 7107- Advanced Precision Machining
- **CNC- Precision Machining II- 1507/1508**  
DOE 7219- Precision Machining Capstone
- **Welding Technology I- 1419/1420**  
DOE 7110- Principles of Welding Technology  
DOE 7111- Shielded Metal Arc Welding  
DOE 7101- Gas Welding Processes
- **Welding Technology II- 1519/1520**  
DOE 7226- Welding Technology Capstone

### Agriculture, Food & Natural Resources

- **Drone Tech.- Precision Ag I- 1403/1404**  
DOE 7117 Principles of Agricultural  
DOE 7116- Precision Agriculture  
DOE 7113- Crop Management
- **Drone Tech.- Precision Ag II- 1503/1504**  
DOE 7236- Precision Agriculture Capstone
- **Vet. Tech.- Animals I- 1443/1444**  
DOE 7117- Principles of Agriculture  
DOE 5008- Animal Science  
DOE 5070- Advanced Life Science, Animals
- **Vet. Tech.- Animals II- 1543/1544**  
DOE 7262- Agricultural Research Capstone

### Architecture & Construction

- **Construction Trades- Carpentry I- 1464/1465**  
DOE 7130- Principles of Construction Trades  
DOE 7123- Construction Trades General  
Carpentry

DOE 7122- Construction Trades Framing & Finishing

- **Construction Trades- Carpentry II- 1564/1565**  
DOE 7242- Construction Trades Capstone

### Arts, AV Tech & Communications

- **Commercial Photo. & Video. I- 1405/1406**  
DOE 7140- Principles of Digital Design  
DOE 7141- Digital Design Graphics  
DOE 7136- Professional Photo & Videography
- **Commercial Photo. & Video. II- 1505/1506**  
DOE 7246- Digital Design Capstone
- **Graphic Design- Digital Design I- 1413/1414**  
DOE 7140- Principles of Digital Design  
DOE 7141- Digital Design Graphics  
DOE 5550- Graphic Design & Layout
- **Graphic Design- Digital Design II- 1513/1514**  
DOE 7246- Digital Design Capstone
- **Radio & Television Broadcasting I- 1421/1422**  
DOE 7139- Principles of Broadcasting  
DOE 7306- Audio & Video Prod. Essent.  
DOE 7307- Mass Media Production
- **Radio & Television Broadcasting II- 1521/1522**  
DOE 7308- Radio & TV Broadcasting Capstone

### Education & Training

- **Early Childhood Education I- 1431/1432**  
DOE 7160 Principles of Early Childhood  
DOE 7158- Early Childhood Curriculum  
DOE 7159- Early Childhood Guidance
- **Early Childhood Education II- 1531/1532**  
DOE 7259- Early Childhood Capstone
- **Elementary/Secondary Ed Careers I- 1476-1477**  
DOE 7161 Principles of Teaching  
DOE 7157 Child & Adolescent Development  
DOE 7162 Teaching & Learning
- **Elementary/Secondary Ed Careers II- 1576/1577**  
DOE 7267 Education Professions Capstone

### Health Sciences

- **Dental Assisting Careers I- 1470/1471**  
DOE 7315- Principles of Dental Careers  
DOE 7316- Dental Careers Fundamentals  
DOE 7317- Advanced Dental Careers
- **Dental Assisting Careers II- 1570/1571**  
DOE 7318- Dental Careers Capstone
- **Emergency Medical Technician I- 1488/1489**  
(12th Grade Only)

DOE 7168- Principles of Healthcare  
DOE 5274- Medical Terminology  
DOE 7165- Emergency Medical Technician

- **Cardiology I/EMT 1455/1456**  
**(11th Grade Only)**  
DOE 7168- Principles of Healthcare  
DOE 5274- Medical Terminology Cardiology  
DOE 7165- Emergency Medical Technician
- **Cardiology II/EMT 1555/1556**  
DOE 7255- Healthcare Specialist Capstone
- **Certified Clinical Medical Asst. I- 1411/1412**  
DOE 7168- Principles of Healthcare  
DOE 5274- Medical Terminology  
DOE 7164- Certified Clinical Med. Asst.
- **Certified Clinical Medical Asst. II- 1511/1512**  
DOE 7255- Healthcare Specialist Capstone
- **Sports Med- Exercise Science I- 1474/1475**  
DOE 7320- Principles of Exercise Science  
DOE 7321- Kinesiology  
DOE 7322- Human Performance
- **Sports Med- Exercise Science II- 1574/1575**  
DOE 7324- Fitness Management Capstone
- **Surgical Services Tech I- 1427/1428**  
DOE 7168- Principles of Healthcare  
DOE 5274- Medical Terminology  
DOE 7163- Central Service Tech Fundamentals
- **Surgical Services Tech II- 1527/1528**  
DOE 7257- Central Service Tech Capstone

## Hospitality & Tourism

- **Culinary Arts & Baking I- 1415/1416**  
DOE 7173- Principles of Culinary & Hospitality  
DOE 7171- Nutrition  
DOE 7169- Culinary Arts
- **Culinary Arts & Baking II- 1515/1516**  
DOE 7235- Baking and Pastry Capstone

## Human Services

- **Cosmetology I- 1401/1402**  
DOE 7330- Principles of Cosmetology & Barbering  
DOE 7331- Cosmetology & Barber. Fundamentals  
DOE 7332- Advanced Cosmetology
- **Cosmetology II- 1501/1502**  
DOE 7334- Cosmetology & Barbering Capstone
- **Barbering I- 1409/1410**  
DOE 7330- Principles of Barbering & Cosmetology  
DOE 7331- Barbering & Cosmo. Fundamentals  
DOE 7333- Advanced Barbering
- **Barbering II- xxxx/xxxx**  
DOE 7334- Barbering & Cosmetology Capstone

## Information Tech

- **Networking I- 1433/1434**  
DOE 7183- Principles of Computing  
DOE 7180- IT Fundamentals  
DOE 7182- Networking Fundamentals
- **Networking II- 1533/1534**  
DOE 7251- Networking Capstone

## Law, Public Safety, Corrections & Security

- **Criminal Justice I- 1491/1492**  
DOE 7193- Principles of Criminal Justice  
DOE 7191- Law Enforcement Fundamentals  
DOE 7188- Corrections & Cultural Awareness
- **Criminal Justice II- 1591/1592**  
DOE 7231- Criminal Justice Capstone
- **Fire and Rescue I- 1486/1487**  
DOE 7195- Principles of Fire & Rescue  
DOE 7189- Fire Fighting Fundamentals  
DOE 7186- Advanced Fire Fighting
- **Fire and Rescue II- 1586/1587**  
DOE 7229- Fire & Rescue Capstone
- **Pre-Law / Paralegal I- 1417/1418**  
DOE 7194- Principles of Paralegal Studies  
DOE 7192- Paralegal Fundamentals  
DOE 7187- Advanced Paralegal Studies
- **Pre-Law / Paralegal II- 1517/1518**  
DOE 7227- Paralegal Studies Capstone

## STEM

- **CAD- Design Technology I- 1439/1440**  
DOE 4802- Intro To Engineering Design  
DOE 7196- Mech. & Arch. Design  
DOE 7202- Manufac. Principles & Design
- **CAD- Design Technology II- 1539/1540**  
DOE 7223- Mechanical Design Capstone

## Transportation, Distribution & Logistics

- **Automotive Collision Repair I- 1453/1454**  
DOE 7215- Principles of Collision Repair  
DOE 7204- Automotive Body Repair  
DOE 7206- Plastic Body Repair & Painting Fund.
- **Automotive Collision Repair II- 1553/1554**  
DOE 7380- Collision Repair Capstone
- **Automotive Services I- 1478/1479**  
DOE 7213- Principles of Automotive Services  
DOE 7205- Brake Systems  
DOE 7212- Steering and Suspension
- **Automotive Services II- 1578/1579**  
DOE 7375- Automotive Services Capstone
- **Diesel Services I- 1451/1452**

- DOE 7216- Principles of Diesel Services
- DOE 7210- Diesel Steering & Brakes
- DOE 7211- Diesel Transmissions
- **Diesel Services II- 1551/1552**
- DOE 7221- Diesel Services Capstone
- **MotorSports I- 1423/1424**

- DOE 7392- Motorsports Fundamentals
- DOE 7393- Advanced Motorsport
- DOE 7394- Motorsport Driveline & Electrical Performance
- **MotorSports II- 1523/1524**
- DOE 7395- Motorsport Capstone

## **COLLEGE BASED DUAL CREDIT PROGRAM**

**Penn# 0672/0673**

### **COLLEGE BASED DUAL CREDIT (CBDC)**

**Semesters: 1 Credits: 1 per course per semester**

**Grade Level: 12**

**Weight: 4.5 with a "C" or better IDOE: Varies by course**

A College Based Dual Credit Program:

Students have the opportunity to enroll in a class at a local college through the Penn CBDC 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 Polytechnic, 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 CBDC program. Students will pay for required textbooks and materials and complete Penn forms for reimbursement. Penn will pay for some CTE courses.

**Students must provide their own transportation.**

Juniors and Seniors

(Up to two CTE courses will be granted Tuition Free for Penn Students.)

**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:** Most courses can be applied as Directed Electives for the CORE 40 Diploma. Some may also count for requirements of this 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. Black and the Post Secondary Institute for scheduling, requirements, and expectations. Please feel free to contact Mrs. Black (dblack@phm.k12.in.us) with any questions you may have.**

### **Business Administration**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Introduction to Business | <input type="checkbox"/> Managerial Accounting            | <input type="checkbox"/> Web Site Development            |
| <input type="checkbox"/> Business Law             | <input type="checkbox"/> Income Tax                       | <input type="checkbox"/> Microcomputer Operating Systems |
| <input type="checkbox"/> Business Communication   | <input type="checkbox"/> Payroll Accounting               | <input type="checkbox"/> Network Fundamentals            |
| <input type="checkbox"/> Principles of Management | <input type="checkbox"/> *Intro to Microcomputers         | <input type="checkbox"/> *Introduction to Computing      |
| <input type="checkbox"/> Principles of Marketing  | <input type="checkbox"/> Information Systems Fundamentals | <input type="checkbox"/> Introduction to Programming     |
| <input type="checkbox"/> Financial Accounting     | <input type="checkbox"/> Logic, Design, Programming       |  |

### **Information Technology Management**

Various classes

### **Communication**

\_\_\_ Intro to Public Relations

\_\_\_ Intro to Interpersonal Communications

\_\_\_ \*Intro to Mass Communications

\_\_\_ Introduction to Advertising

### **School of Public & Social Services**

\_\_\_ \*Intro to Criminal Justice Systems

\_\_\_ Introduction to Criminology

\_\_\_ Introduction to Law Enforcement

\_\_\_ Sanitation and First Aid

\_\_\_ Basic Food Theory and Skills

\_\_\_ Youth and Family Treatment

\_\_\_ \*Introduction to Interpersonal Communication

### **Early Child Education**

\_\_\_ Intro to Early Childhood Education

\_\_\_ Nutrition, Health and Safety for Early Childhood

\_\_\_ Understanding Special Needs Children

\_\_\_ Curriculum in Early Childhood Classroom

### **School of Fine Arts and Design**

\_\_\_ Basic Photography

\_\_\_ Three-Dimensional Design

\_\_\_ Design Theory

\_\_\_ Drafting and Construction

\_\_\_ Introduction to Interior Design

\_\_\_ Fundamentals of Design

\_\_\_ Fundamentals of Imaging

\_\_\_ Video and Sound

\_\_\_ Intro to Computer Graphics

\_\_\_ Production in Editing

### **School of Health Sciences**

\_\_\_ Health, Safety & Nutrition

\_\_\_ \*Medical Terminology

\_\_\_ Dementia Care

\_\_\_ CNA (Certified Nursing Assistant-Seniors only)

\_\_\_ Medical Law & Ethics

\_\_\_ Introduction to Health Careers

\_\_\_ \*First Aid & Emergency Care

\_\_\_ \*Nutrition for Health

### **School of Liberal Arts & Sciences**

\_\_\_ Survey of Biotechnology

\_\_\_ Fundamentals of Nanotechnology

### **School of Technology Automotive**

\_\_\_ Steering and Suspension

\_\_\_ Two and Four Wheel Alignment

\_\_\_ Powertrain Service

\_\_\_ Engine Principles and Design

\_\_\_ Engine Performance I

\_\_\_ Electrical and Electronics I

\_\_\_ Braking Systems

\_\_\_ Electrical and Electronics II

\_\_\_ Manual Drivetrains

\_\_\_ Engine Repair

\_\_\_ Automatic Transmission

\_\_\_ Engine Performance II

\_\_\_ Engine Performance III

\_\_\_ Driveability Diagnosis

### **Design Technology**

\_\_\_ Technical Graphics

\_\_\_ CAD Fundamentals

\_\_\_ Mechanical Graphics

\_\_\_ Architectural Design I

\_\_\_ Descriptive Geometry

\_\_\_ Construction Materials and Specifications

### **Electronics and Computer Technology**

\_\_\_ Intro to Electronics and Projects  
\_\_\_ Digital Fundamentals  
\_\_\_ Networking  
\_\_\_ Computer Troubleshooting

\_\_\_ Computer Troubleshooting II  
\_\_\_ Introduction to Robotics  
\_\_\_ Programmable Controllers I  
\_\_\_ Programmable Controllers II

### **Industrial Electrician**

\_\_\_ Computer Fundamentals for  
    Technology  
\_\_\_ Intro to National Electrical Code

\_\_\_ Electrical Wiring Fundamentals/ NEC Code  
\_\_\_ Motors and Motor Controls  
\_\_\_ Basic Electricity  
\_\_\_ Electrical Circuits

### **Heating and Air Conditioning**

\_\_\_ Heating Fundamentals  
\_\_\_ Refrigeration  
\_\_\_ Duct Fabrication & Installation  
\_\_\_ Heat Pump Systems

\_\_\_ Heating Service  
\_\_\_ Refrigeration II  
\_\_\_ Basic Electricity  
\_\_\_ Basic Shop Mechanics  
\_\_\_ Special Topics-Residential Wiring

### **Engineering Technology**

\_\_\_ Technical Graphics Communication  
\_\_\_ Human Behavior in Organizations  
\_\_\_ Materials & Processes I  
\_\_\_ Materials & Processes II

\_\_\_ Electricity Fundamentals  
\_\_\_ Introduction to Object-Oriented Programming  
\_\_\_ Introduction to Constraint Based Molding  
\_\_\_ Information Technical Architecture

### **Electrical Engineering Technology**

\_\_\_ Gateway to Elect. Engr. Tech.

\_\_\_ Technology and the Individual

### **Industrial Technology**

\_\_\_ Industrial Organizations

\_\_\_ Industrial Supply Chain Management

### **Organizational Leadership and Supervision**

\_\_\_ Human Behavior in Organizations  
\_\_\_ Applied Leadership  
\_\_\_ Leadership Principles  
\_\_\_ Computer Aided Drafting &  
    Design Academy

\_\_\_ Mechatronics Technology  
\_\_\_ Electronics Career Academy  
\_\_\_ Precision Production Technology  
  
\_\_\_ Emergency Med Services Academy  
\_\_\_ Fire Science or EMS-Paramedic.

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



**MICHIANA BEAUTY COLLEGE or VOGUE BEAUTY - Cosmetology (Penn# 0692, 0693, 0672, 0673)**

**PHARMACY TECHNICIAN TRAINING**

(IUSB Extended Learning Services—Certification Program- seniors only)

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

1 Semester 1-2 Credits Grade: 12 Weight: 4.5 DOE# 7137, 5274, 7167

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. Keep all receipts and fill out proper forms for reimbursement of curricular fees.

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 & 694	697 & 695

Additional Information regarding the Pharmacy Technician Program may be obtained by emailing: dblack@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

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

**A full explanation of the CTL is available at [www.transferIN.net/ctl](http://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 (Course number 1805-1849)**

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. Applications 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 with 1851 or 1865)**

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 9-12) 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 applications in the spring prior to enrollment, with a deadline of May 1<sup>st</sup>. 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.

## **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 or beyond their senior cohort living in or outside PHM boundaries. Night School provides a comprehensive core curriculum of 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.

## **Independent Study**

Penn High School offers students the opportunity to take a variety of online courses through Independent Study. Students will engage in rigorous online course work delivered through Edmentum Plato, a computer software learning and curriculum program. Participation is by counselor recommendation and registration only.

# 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 or general education setting. These courses contain a modified curriculum. These courses on their own do not meet the state proficiency requirements for a diploma. These students are working on a vocational track towards earning an Alternate Diploma.

## **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 units toward an Alternate Diploma and participate in graduation ceremonies.

### Indiana Alternate Diploma and Certificate of Completion

The Course of Study for the Alternate Diploma 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: These requirements are met through enrollment in a combination of general education courses, modified general education courses and special education courses in which non-credit applied units are earned.

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

**Students earning a certificate of completion fulfill at least one of the following (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.

\*\*\* Math is required to be taken each year of high school

## **EXCEPTIONAL EDUCATION COURSE DESCRIPTIONS**

**Penn# 1201**

**APPLIED ENGLISH 9**

**Semesters: 2 Units: 2**

**Grade Level: 9**

**Prerequisite: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1002**

**Course Description:**

This course contains a modified curriculum that follows the Indiana Content Connectors for ELA 9-10. 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 an Alternate Diploma or Certificate of Completion.

**Penn# 1203**

**APPLIED ENGLISH 10**

**Semesters: 2 Units: 2**

**Grade Level: 10**

**Prerequisite: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1004**

**Course Description:**

This course contains a modified curriculum that follows the Indiana Content Connectors for ELA 9-10. 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 an Alternate Diploma or Certificate of Completion.

**Penn# 1205**

**APPLIED ENGLISH 11**

**Semesters: 2 Units: 2**

**Grade Level: 11**

**Prerequisite: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1006**

**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 an Alternate Diploma or Certificate of Completion.

**Penn# 1207**

**APPLIED ENGLISH 12**

**Semesters: 2 Units: 2**

**Grade Level: 12**

**Prerequisite: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1008**

**Course Description:**

Applied English 12, an integrated English course based on the Indiana Content Connectors

English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare, and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access online information. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1283/1285/1287**

**CORRECTIVE READING I, II & III**

**Semesters: 2 Units: 2**

**Grade Level: 9-12**

**Prerequisite: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1120**

**Course Description:**

This is a supplemental course that provides students with individualized instruction designed to support success in completing coursework aligned with the Indiana Academic Standards for English/Language Arts focusing on the Reading Standards for Literature and Nonfiction.

Placement in the course is made on the recommendation of the case conference committee. This course

is a remediation course as well as an elective course.

**Penn# 1265**

**LEARNING STRATEGIES**

**Semesters: 2 Units: 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. Basic Skills Development is a multidisciplinary course based on the Indiana Content Connectors for basic skills development in grades 9th-12th. Must be recommended in the Individual Education Plan by the case conference committee. 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. Teaching methodology emphasizes generalization of the strategies to the academic classes the students are taking.

**Penn# 1209**

**APPLIED GEOGRAPHY AND HISTORY OF THE WORLD**

**Semesters: 2 Units: 2**

**Grade Level: 9-10**

**Prerequisite: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1570**

**Course Description:**

This course contains a modified curriculum that follows the Indiana Content Connectors for Government. 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 an Alternate Diploma or Certificate of Completion.

**Penn# 1213**

**APPLIED CIVICS**

**Semesters: 1 Units: 1**

**Grade Level: 12**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE# 1508**

**Course Description:**

This course contains a modified curriculum that follows the Indiana Content Connectors for Government. This course is designed to be paired with Money Matters. It is a course that outlines our government in a student friendly manner. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1216**



**APPLIED MONEY MATTERS**

**Semesters: 1 Units: 1**

**Grade Level: 11-12**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1514**

**(Quantitative Reasoning Course)**

**Course Description:** This course contains a modified curriculum that follows the Indiana Content Connectors for Economics. 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 an Alternate Diploma or Certificate of Completion.

**Penn# 1235**

**APPLIED MATH I**

**Semesters: 2 Units: 2**

**Grade Level: 9-10**

**Prerequisite: Must be recommended in the Individualized Education Plan**

**Weight: 4.0 IDOE: 2560**

**Course Description:**

Applied Mathematics provides students with individualized instruction designed to increase math related competencies and/or mathematics coursework aligned with Indiana's Content Connectors for Mathematics. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1236**

**APPLIED MATH II**

**Semesters: 2 Units: 2**

**Grade Level: 11-12**

**Prerequisite: Must be recommended in the Individualized Education Plan**

**Weight: 4.0 IDOE: 2560**

**Course Description:**

Applied Mathematics provides students with individualized instruction designed to increase math related competencies and/or mathematics coursework aligned with Indiana's Content Connectors for Mathematics. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1237**

**APPLIED BIOLOGY I**

**Semesters: 2 Units: 2**

**Grade Level: 9-10**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 3024**

**Course Description:**

Applied Biology is a modified science course based on the following core topics: Std. 1 Cellular Structure and Function, Std. 2 Matter Cycles and Energy Transfer, Std. 3 Interdependence of Organisms, Std. 4 Inheritance & Variation in Traits, and Std. 5 Evolution. Multi-sensory learning and differentiated instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. Students will address approaching standards for the Science and Engineering Process Standards (SEPS) as well as the Content Connectors for the Indiana State Standards for Biology. Students may take Applied Biology 1B to continue content at a slower

pace. Students will be assessed through Indiana's Alternate Measure (IAM) in the 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1293**

**APPLIED ENVIRONMENTAL SCIENCE**

**Semesters: 2 Units: 2**

**Grade Level: 10-12**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 0512**

**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

127 generations. This course has a modified curriculum and placement is made on the recommendation of the case conference committee. This course is for students working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1238**

**APPLIED BIOLOGY II**

**Semesters: 2 Units: 2**

**Grade Level: 10**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 3024**

**Course Description:**

This course contains a 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 10<sup>th</sup> grade year. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1229 OR 1230**

**APPLIED HEALTH AND WELLNESS**

**Semesters: 1 Units: 1**

**Grade Level: 9-12**



**Prerequisite: Must be recommended in the Individualized Education Plan**  
**Weight: 4.0 IDOE: 3506**

**Course Description:**

Applied Health & Wellness contains a modified curriculum that follows the Indiana Content Connectors for Health & Wellness. This course 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. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 0503**

**APPLIED PHYSICAL EDUCATION I & II**

**Semesters: 2 Units: 2**

**Grade Level: 9**

**Prerequisite: Case conference committee and medical statement on file**

**Weight: 4.0**

**IDOE: 3542 & 3544**

**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. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1266**

**CAREER INFORMATION**

**Semesters: 2 Units: 2**

**Grade Level: 9-10**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 0522**

**Course Description:**

This course 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. Employability/workforce readiness skills (communication, organization, teamwork, punctuality, critical thinking/problem solving, social cues, adaptability and work ethic) are taught in order to enhance successful employment. 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.

Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1239 1240 1241 1242 1243 1244 1245 1246**

**WORK EXPERIENCE (WBL)**

**Semesters: 2**

**Units: 1/block/semester**

**Grade Level: 11-12**

**Prerequisites: Must be recommended in the Individual Education Plan.**

**Weight: 4.0 IDOE: 5974**

**Course Description:**

These courses are designed to give students in exceptional education 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 employability/workforce readiness skills (communication, organization, teamwork, punctuality, critical thinking/problem solving, social cues, adaptability and work ethic). Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**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 an Alternate Diploma or Certificate of Completion. Students receive a high level of support.**

**Penn# 2202**

**LIFE SKILLS**

**Semesters: 2 Units: 2**

**Grade Level: 9-12**

**Prerequisites: Must be recommended in the Individual Education Plan.**

**Weight: 4.0 IDOE: 0500**

**Course Description:**

This multidisciplinary course provides students the opportunity to continue to develop basic skills including writing, math, organizational, and interpersonal skills. Students will work on home living skills such as cooking, cleaning, and laundry, as well as a variety of employability skills. Students will also learn about personal care, health, and safety. Skills will be emphasized for each student based on their Individualized Education Program (IEP) in line with content connectors. Community based instruction may also be used to practice daily living skills. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2200**

**LS BIOLOGY I**

**Semesters: 2 Units: 2**

**Grade Level: 9-12**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 3024**

**Course Description:**

Lifeskills Biology is a modified science course based on the following core topics: Std. 1 Cellular Structure and Function, Std. 2

Matter Cycles and Energy Transfer, Std. 3 Interdependence of Organisms, Std. 4 Inheritance & Variation in Traits, and Std. 5 Evolution. Multi-sensory learning and differentiated instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. Students will address approaching standards for the Science and Engineering Process Standards (SEPS) as well as the Content Connectors for the Indiana State Standards for Biology. Practical application will be a primary focus to promote independent living skills and personal safety in the community. Students may take Lifeskills Biology 1B to continue content at a much slower pace. Students will be assessed through Indiana's Alternate Measure (IAM) in the 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2224**

**LS BIOLOGY II**

**Semesters: 2 Units: 2**

**Grade Level: 10-12**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 3024**

**Course Description:**

Lifeskills Biology is a modified science course based on the following core topics: Std. 1 Cellular Structure and Function, Std. 2 Matter Cycles and Energy Transfer, Std. 3 Interdependence of Organisms, Std. 4 Inheritance & Variation in Traits, and Std. 5 Evolution. Multi-sensory learning and differentiated instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. Students will address approaching standards for the Science and Engineering Process Standards (SEPS) as well as the Content Connectors for the Indiana State Standards for Biology. Practical application will be a primary focus to promote independent living skills and personal safety in the community. Students will be assessed through Indiana's Alternate Measure (IAM) in the 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 1233**

**LS MATH**

**Semesters: 2 Units: 2**

**Grade Level: 9-12**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 2560**

**Course Description:**

This course contains a 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. Students in this course are working towards an Alternate Diploma or Certificate of Completion. Students will be working on content connectors.

**Penn# 2208**

**LS SOCIAL STUDIES**

**Semesters: 2 Units: 2**

**Grade Level: 9-12**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1508**

**Course Description:**

Students develop skills on their personal environment, community and world around them. Instruction is centered on the development of individual students and their use of the resources available. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2204**

**LS LANGUAGE ARTS 9**

**Semesters: 2 Units: 2**

**Grade Level: 9**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1002**

**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. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2226**

**LS LANGUAGE ARTS 10**

**Semesters: 2 Units: 2**

**Grade Level: 10**

**Prerequisites: Must be recommended in the Individual Education Plan**

**Weight: 4.0 IDOE: 1004**

**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. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2212**

**LS LANGUAGE ARTS 11**

**Semesters: 2 Units: 2**

**Grade Level: 11**

**Prerequisites: Must be recommended in the Individual Education Plan.**

**Weight: 4.0 IDOE: 1006**

**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. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2228**

**LS LANGUAGE ARTS 12**

**Semesters: 2 Units: 2**

**Grade Level: 12**

**Prerequisites: Must be recommended in the Individual Education Plan.**

**Weight: 4.0 IDOE: 1008**

**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. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2220**

**LS WORK EXPERIENCE (WBL)**

**Semesters: 2 Units: 2**

**Grade Level: 11-12**

**Prerequisite: Must be recommended in the Individualized Education Plan**

**Weight: 4.0 IDOE: 5974**

**Course Description:**

These courses are designed to give students in exceptional education an opportunity to gain work experience through in school or community jobs. Content connectors as standards for classes not on diploma track. 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 employability/workforce readiness skills (communication, organization, teamwork, punctuality, critical thinking/problem solving, social cues, adaptability and work ethic). Students in this course are working towards an Alternate Diploma or Certificate of Completion. Placement is made on the recommendation of the case conference committee.

**Penn# 2222**

**LS EMPLOYABILITY**

**Semesters: 2 Units: 2**

**Grade Level: 11-12**

**Prerequisite: Must be recommended in the**

**Individualized Education Plan**

**Weight: 4.0 IDOE: 0522**

**Course Description:**

The LS Employability course provides students with opportunities to learn about themselves including interests, strengths and needed support 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. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2210**

**LS EDUCATION AND TRAINING**

**Semesters: 2 Units: 2**

**Grade Level: 11-12**

**Prerequisite: Must be recommended in the**

**Individualized Education Plan**

**Weight: 4.0 IDOE: 0500**

**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. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2214**

**LS COMMUNITY LIVING**

**Semesters: 2 Units: 2**

**Grade Level: 9-12**

**Prerequisite: Must be recommended in the**

**Individualized Education Plan**

**Weight: 4.0 IDOE: 5330**

**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. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2206**

**LS PERSONAL MANAGEMENT**

**Semesters: 2 Units: 2**

**Grade Level: 9-12**

**Prerequisite: Must be recommended in the**

**Individualized Education Plan**

**Weight: 4.0 IDOE: 5364**

**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. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

**Penn# 2100 AND/OR 2101**

**SASS INDEPENDENT STUDY/STUDY HALL**

**Semesters: 1 or 2**

**Grade Level: 9-12**


**Course Description:**

Self Management and Social Skills. 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. Placement is made on the recommendation of the case conference committee. This course is a noncredit behavioral support class.

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

## **MULTIDISCIPLINARY COURSES**

**Penn# 1873**   
**CAREER INFORMATION AND EXPLORATION**  
**Semesters: 2 Credits: 1**  
**Grade Level: 9**  
**Weight: 4.5 DOE# 0522**  
**CIE 106 Career Information and Exploration**

**Course Description:**  
 Career Information and Exploration provides students with opportunities to learn about themselves and about various traditional and nontraditional occupations and careers. Students also gain an awareness of the type of occupational preparation or training needed for various occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as field trips, internships, mock interviews, and guest speakers. Resume development experience and career-related testing are also provided to students.

**Penn# 0680, 0681, 0682, 0683, 0684, 0685, 0686, 0687- 1 block**  
**0674, 0675, 0679- 2 blocks**  
**WORK BASED LEARNING INTERNSHIP (WBL)**  
**Semesters: 1 or 2**  
**Credits: 1/block/semester**  
**Grade Level: 11-12**

**Prerequisite: Any One CTE Course**

**Weight: 4.0 IDOE: 5974**

**Course Description:**

**Students must provide their own transportation.** Work Based Learning 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# 0690-0699**  
**COLLEGE BASED DUAL CREDIT (CBDC)**

**Semesters: 1 or 2**

**Credit: 1/block/semester**

**Grade Level: 11-12**

**Prerequisite: Meet Individual College admission requirements**

**Weight: 4.5**

**Course Description:**

**Students may enroll in College Based Dual Credit for 1, 2, 3 or 4 blocks. Student schedules are individualized according to the student’s interests. Students may be responsible for costs associated with the college course.** Students have the opportunity to enroll in a class at a local college through the Penn CBDC 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 Polytechnic, 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 CBDC program. Students will pay for required textbooks and materials and complete Penn forms for reimbursement. Penn will pay for some CTE courses. **Students must provide their own transportation. Complete details are listed in the Penn College Based Dual Credit Program section.**

**Penn# 1603**

**PEER LEADERS (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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# 1611**

**PEER LEADERS- YAP (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Peer Leaders- 1603**

**Weight: 4.0 IDOE: 5974**

**Course Description:**

This course is designed to give high school students the opportunity to interact with people with disabilities and learn how to work with them. Students will provide 5 blocks over two weeks of in-class and/or community based instruction to students with moderate and severe disabilities in the Young Adult Program under the personal supervision and instruction of the YAP director.

**Penn#**

**ELD I (1655)**

**ELD II (1656)**

**ELD III (1657)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Recommendation: WIDA Scores**

**Weight: 4.0 IDOE: 1012**

**Course Description:**

English Language 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) note taking, (6) study and organizational skills, and (7) 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 English fluency 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. Level placement is based on English level assessment.

**Penn# 1658**

**LANGUAGE LAB**

**Semesters: 2 Grade Level: 9-12**

**Weight: 4.0 IDOE: 0500**

**Recommendation: WIDA Scores**

**Course Description:**

Students enrolled in Language Lab complete personalized English grammar exercises that target areas needed for growth. The class also serves as a study hall with access to ENL staff who provide structured support and guidance on general education classroom assignments. It is not required that students also take ELD in conjunction with this course.

This class replaces the traditional study hall, and Language Lab students should not be enrolled in the online Interactive Media classes associated with the grade level study halls.

**Penn# 0661 BBBS: 0662**

**WITH 1851 OR 1865**

**KINGSMEN TUTOR INTERNSHIP (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**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 - 1605 first)**

**Semesters: 2 Credits: 4 (2/yr)**

**Grade Level: 11 & 12**

**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# 1869**

**COMMUNICATION & PUBLIC RELATIONS INTERNSHIP (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 4.0 IDOE: 5974**

**Course Description:**

This internship – which is focused on promoting the events and people of Penn High School and the Penn-Harris-Madison School Corporation – is designed for students who wish to apply the practices of public relations (written and visual) in order to gain experience and build a portfolio. Students should already have a strong understanding of writing, journalistic and public relations principles, or students need to have strong graphic design/videography skills and a command of Adobe Photoshop, Adobe Illustrator, InDesign, and/or videography skills, including Adobe Premiere Pro. Students will implement media relations strategies such as crafting press releases, writing news/features articles, or producing graphic designs or videos to promote Penn/P-H-M events/people through social/traditional media.



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

## EARLY COLLEGE (EC)

### 9TH GRADE EC COURSE INFORMATION

**Penn# 2301**



**ENGLISH 9 (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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# 2306**



**ALGEBRA I (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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# 2319**



**BIOLOGY I (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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 real life applications. Through regular use of Science and Engineering Practices, 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 - study of the relationships between living organisms and the environment. Genetics - study of the molecular basis of heredity and inheritance of traits. Evolution - mechanism for change over time

and the unity and diversity of life. In the spring, students will take Indiana Statewide Testing for ILEARN in Biology.

**Penn# 2305**



**GEOMETRY (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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.

**Penn# 2308**



**ALGEBRA II (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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# 2309**

**SPANISH I (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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# 2307**



**WORLD HISTORY AND CIVILIZATION (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**Weight: 4.0 DOE# 1548**

**Course Description:**

This course explores significant events that shaped large populations across diverse regions throughout history. Students analyze transcultural interactions, compare civilizations, and study continuity and change. Emphasis is on developing historical thinking skills and applying knowledge to inquiry processes.

## 10th GRADE EC COURSE INFORMATION

Penn# 2315



### ENGLISH 10 (EC)

**Semesters: 2 Credits: 2**

**Grade Level: 10**

**Prerequisites: English 9**

**Weight: 4.0 DOE# 1004**

#### 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# 2303



### INTEGRATED CHEMISTRY AND PHYSICS (EC)

**Semesters: 2 Credits: 2**

**Grade Level: 10**

**Prerequisites: Biology 1**

**Weight: 4.0 DOE# 3108**

**(Quantitative Reasoning Course)**

#### 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# 2333



### CHEM 101 INTRODUCTION TO CHEMISTRY (EC)

#### Chemistry II

**Semesters: 2 Credits: 2**

**College Credits: 3**

**Grade Level: 10 or 12**

**Prerequisites: Passing score on the English and Math Knowledge Assessment through Ivy Tech and completion of Alg I and Geometry**

**Weight: 4.5 DOE# 3066**

**(Quantitative Reasoning Course)**

#### 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, gasses and acids/bases.

Penn# 2323



### SPANISH II (EC)

**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 OR 2327



### CINS 101 INTRODUCTION TO MICROCOMPUTERS (EC)

**Digital Applications & Responsibility**

**Semesters: 1 Credits: 1**

**College Credits: 3**

**Grade Level: 10**

**Prerequisites: Passing score on the English Knowledge Assessment**

**Weight: 4.5 DOE# 4528**

#### 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 (EC)**

**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.

## 11th GRADE EC COURSE INFORMATION

**Penn# 2345**

### **EARLY COLLEGE STUDY TABLES (EC)**

**Semesters: 2**

**Grade Level: 11**

**Weight: 4.0**

#### **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# 2329/2330**



### **ENGL 111 ENGLISH**

#### **COMPOSITION / ENGL 215**

#### **RHETORIC AND ARGUMENT (EC)**

**English 11 / Advanced**

**Composition**

**Semesters: 2 Credits: 2**

**College Credits: 6**

**Grade Level: 11**

**Prerequisites: Passing score on the English Knowledge**

**Assessment, PSAT, or a**

**cumulative GPA of 2.6 or higher.**

**Weight: 4.5 DOE# 1006/1098**

#### **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# 2355**



### **BIOL 101 INTRODUCTORY BIOLOGY (EC)**

**Biology II**

**Semesters: 2 Credits: 2**

**College Credit: 3**

**Grade Level: 11**

**Prerequisites: Passing score on the English and Math Knowledge Assessment, PSAT, or a**

**cumulative GPA of 2.6 or higher.**

**Weight: 4.5 DOE# 3026**

#### **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# #2331/2332**



### **US HISTORY HIST 101 & HIST 102 (EC)**

**United States History**

**Semesters: 2 Credits: 2**

**College Credits: 6**

**Grade Level: 11**

**Prerequisites: Passing score on the English Knowledge**

**Assessment, PSAT, or a**

**cumulative GPA of 2.6 or higher.**

**Weight: 4.5 DOE: 1542**

#### **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**



### **SPAN 101 & SPAN 102**

#### **SPANISH III (EC)**

**Spanish III**

**Semesters: 2 Credits: 2**

**College Credits: 8**

**Grade Level: 11**

**Prerequisites: Passing score on the English Knowledge**

**Assessment, PSAT, or a**

**cumulative GPA of 2.6 or higher;**


**C or higher in Spanish II.**

**Weight: 4.5 DOE# 2124**

#### **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 OR 2340**   
**COMM 101 FUNDAMENTALS OF PUBLIC SPEAKING (EC)**


**Advanced Speech and Communication**  
**Semesters: 1 Credits: 1**  
**College Credits: 3**  
**Grade Level: 11**

**Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher.**  
**Weight: 4.5 DOE# 1078**

**Course Description:**

Comm 101 is the study and application of fundamental concepts and skills for effective public

speaking, including audience analysis, outlining, research, delivery, critical listening and evaluation, and use of appropriate technology. Students deliver different types of oral and multimedia presentations, including speeches to inform, to entertain, and to persuade through the use of impromptu, extemporaneous, or manuscript delivery.

**Penn# 2341/2343**   
**MATH 136 PRE CALCULUS / MATH 137 TRIGONOMETRY (EC)**

**Pre-Calculus/Trigonometry**  
**Semesters: 2 Credits: 2**

**College Credits: 6**  
**Grade Level: 11**

**Prerequisite: Algebra II and a passing score on the Math Knowledge Assessment Test or PSAT**

**Weight: 4.5 DOE# 2564/2566**  
**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**   
**PRE-CALCULUS MATH 136 (EC)**

**Pre-Calculus & Advanced Math**

**Semesters: 2 Credits: 2**

**College Credit: 3**

**Grade Level: 11-12**

**Prerequisites: Algebra II and Geometry as well as a passing score on the Math Knowledge Assessment Test or PSAT.**

**Weight: 4.5 DOE# 2564/2544**

**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 EC COURSE INFORMATION

Penn# 2346/2369



### ENGL 206 INTRODUCTION TO LITERATURE / ENGL 202 CREATIVE WRITING (EC)

*Advanced English/Language Arts*

**Semesters: 2 Credits: 2**

**College Credit: 6**

**Grade Level: 12**

**Prerequisites: ENGL 111/215 and passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher.**

**Weight: 4.5 DOE# 1124**

#### 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 OR 2348



### POLS 101 INTRODUCTION TO AMERICAN GOVERNMENT AND POLITICS (EC)

*United States Government*

**Semesters: 1 Credits: 1**

**College Credit: 3**

**Grade Level: 12**

**Prerequisites: Passing score on the English Knowledge**

**Assessment, PSAT, or a cumulative GPA of 2.6 or higher.**

**Weight: 4.5 DOE# 1540**

#### 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. Naturalization test for citizenship is required.

Penn# 2333



### CHEM 101 INTRODUCTION TO CHEMISTRY (EC)

*Chemistry II*

**Semesters: 2 Credits: 2**

**College Credits: 3**

**Grade Level: 10 or 12**

**Prerequisites: Passing score on the English and Math Knowledge Assessment through Ivy Tech and completion of Alg I and Geometry**

**Weight: 4.5 DOE# 3066**

**(Quantitative Reasoning Course)**

#### 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, gasses and acids/bases.

Penn# 2367



### MATH 135 FINITE MATH (EC)

*Finite Mathematics*

**Semesters: 2 Credits: 2**

**College Credit: 3**

**Grade Level: 12**

**Prerequisites: MATH 136/MATH 137 and passing score on the Math Knowledge Assessment or PSAT.**

**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. Ivy Tech Credit may be earned.

Penn# 2353



### MATH 211 CALCULUS I (EC)

*Calculus*

**Semesters: 2 Credits: 2**

**College Credit: 4**

**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**

#### 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# 2359**



**MATH 212 CALCULUS II (EC)**

**Advanced Math**

**Semesters: 2 Credits: 2**

**College Credit: 3**

**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# 2544**

**Course Description:**

Reviews the concepts of exponential, logarithmic and inverse functions. Studies in depth the fundamental concepts and operations of calculus inc

**Penn#2351/2352**



**SPAN 201 & SPAN 202**

**SPANISH IV (EC)**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher and grade of C or higher in SPAN 102.**

**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.

**Penn# 2365/2366**



**GENS 279 GENERAL STUDIES**

**CAPSTONE COURSE (EC)**

**Semesters: 1 Credits: 1**

**Grade Level: 12**

**Prerequisites: Students should only enroll in this course if they are on track to complete their Ivy Tech Associate's Degree of General Studies.**

**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**

**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**

**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**

**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 use of Science and Engineering Practices, 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 – study of relationships between living organisms and the environment, Genetics – study of heredity and inheritance of traits, Evolution - mechanism for change over time and the diversity of life. In the spring, students will take Indiana Statewide Testing for ILEARN in Biology.

**Penn# 0907**   
**BIOLOGY I HONORS**  
**Semesters: 2 Credits: 2**  
**Grade Level: 9**  
**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 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. Students will complete a culminating honors project that demonstrates understanding of the course content. In the spring, students will take Indiana Statewide Testing for ILEARN in Biology.

**Penn# 1105**   
**GEOGRAPHY AND HISTORY OF THE WORLD**  
**Semesters: 2 Credits: 2**  
**Grade Level: 9**  
**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# 1163**  
**AP® WORLD HISTORY**  
**Semesters: 2 Credits: 2**  
**Grade Level: 9**  
**Weight: 5.0 DOE# 1612**

**Course Description:**


In AP® World History students investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that

students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, economic systems, social interactions and organization, and technology and innovation.

**Penn# 0717**   
**ALGEBRA I**  
**Semesters: 2 Credits: 2**  
**Grade Level: 9**  
**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# 0726-N**   
**GEOMETRY ACCELERATED 9**  
**Semesters: 2 Credits: 2**  
**Grade Level: 9**  
**Prerequisite: Algebra I**  
**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# 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



**ALGEBRA II ACCELERATED**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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 are successful in this course should take Pre-Calculus Accelerated. A scientific calculator is required and students will gain experience using a graphing calculator.

# 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

English 11  
Honors/US History  
H105/H106 (IU)  
Seminar  
320

or

AP® English Language and  
Composition/AP US History  
Seminar  
327

## Grade 12

English 12  
321

or

English Comp ENGL111 &  
Intro to Lit ENGL 206  
(Ivy Tech)  
Use 398 to schedule

or

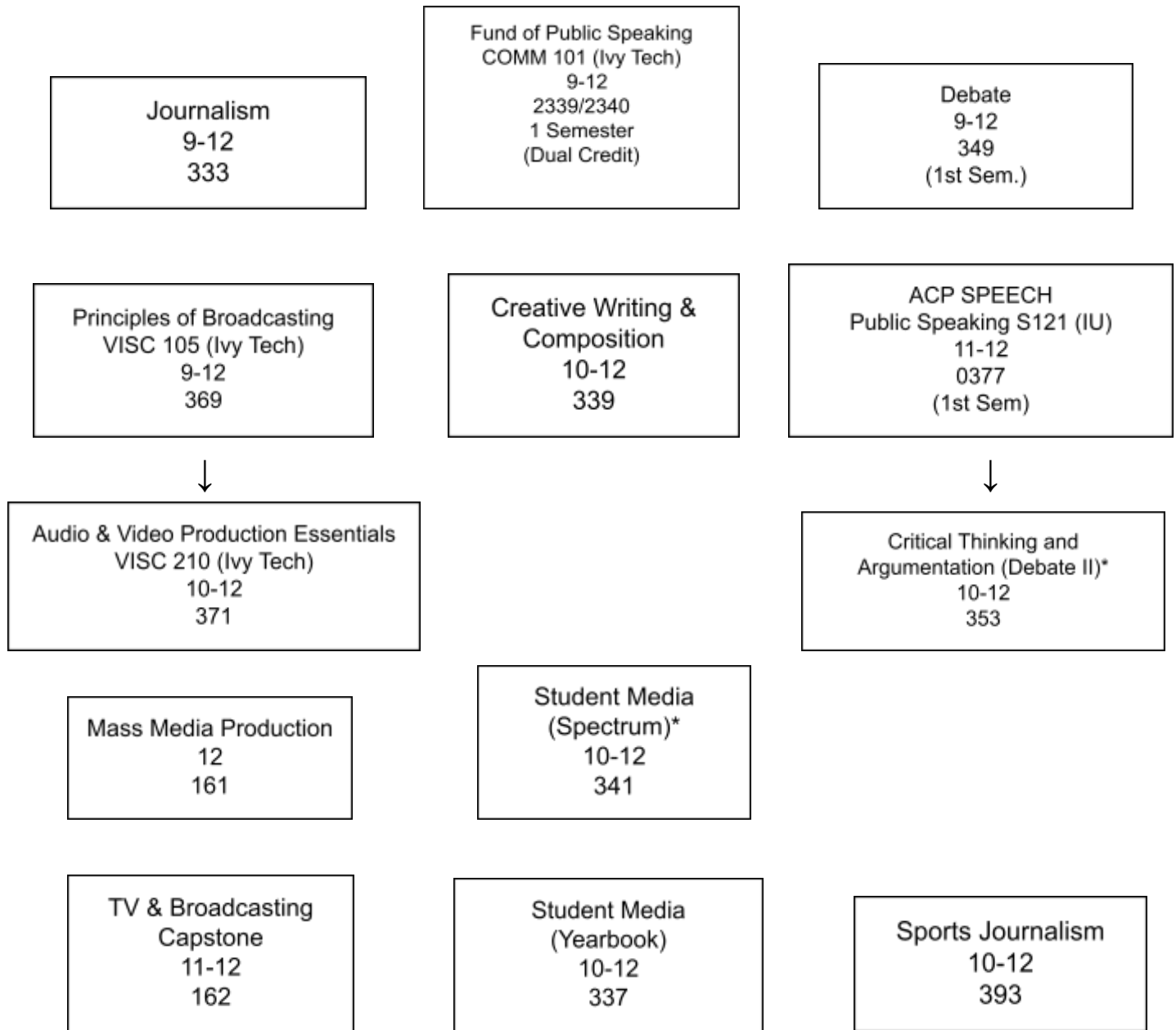
Composition W131/  
Literature L202 (IU)  
Use 325 to schedule

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



\*Has Prerequisite

## **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. Students will learn how to present their ideas logically and coherently, how to present appropriate supporting details, and how to draw conclusions. Comprehension of vocabulary, literature, non-fiction, informational texts and poetry are core components of the course. Students write responses to literature, argumentative compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information. Each semester students will write process papers and on demand 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 challenges, and who are able to work independently. Students analyze a variety of fiction and non-fiction pieces of literature, as well as informational texts, to explore the characteristics of quality writing. Students write responses to literature, argumentative compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information. Students will complete several formal writing assignments including essays of personal experience, literary analysis and research, as well as on demand essays given as unit summative assessments.

**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 themes, 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**



### **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# 0320/1179/1182**    
**ENGLISH 11 HONORS / ACP US HISTORY SEMINAR**

**Semesters: 2 Credits: 4**  
**Grade Level: 11**

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


**Weight: 5.0 DOE# 1006/1542**  
**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. 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**   
**ENGLISH COMPOSITION ENGL 111 & INTRO TO LITERATURE ENGL 206**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: English 11**

**Weight: 4.5 DOE# 1008**


**DOE- English 12**

**College Credits: 6**

**Course Description:**

ENGL 111-- 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. To earn dual credit, Ivy Tech prerequisites must be met. ENGL 206-- Intro to Literature focuses on development of basic strategies for critically reading and interpreting poetry, fiction, and drama. This course provides an introduction to

the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing assignments. Prerequisite is ENGL 111.

**Penn# 0325/0326**   
**ACP COMPOSITION & ACP 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-W131 Reading, Writing & Inquiry/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 a course based on the content established and copyrighted by the College Board. Because the AP® English Literature and Composition course aligns to an introductory college-level literature and writing curriculum, AP® 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. The course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository,



analytical, and argumentative essays that require students to analyze and interpret literary works. 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 current AP® Literature instructors. Students enrolled in AP® Literature are expected to have all summer reading completed by Labor Day.

**Penn# 2339 OR 2340** 

**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# 0377/0378** 

**ACP SPEECH**

**Semesters: 1 Credits: 1**

**Grade Level: 11-12**

**Weight: 5.0 DOE# 1078**

**IU- SPCH-S121 Public Speaking**

**Course Description:**

Prepares students in the liberal arts to communicate effectively with public audiences. Emphasizes oral communication as practiced in public contexts: how to advance reasoned claims in public; how to adapt public oral presentations to particular audiences; how to listen to, interpret, and evaluate public discourse; and how to formulate a clear response.

**Penn# 0349** 

**DEBATE I**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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 1 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**

**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**

**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 commitment 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**



**CREATIVE WRITING & COMPOSITION**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 1092/1090**

**Counts as English/Language Arts credits**

**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**

**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 lay-out, and, finally, to disbursement. Some after-school time may be necessary as deadlines approach. This is an elective English course that may be selected in addition to the required English courses. This course can be taken multiple times.

## **RADIO & TV**

### **Radio & Television Pathway:**

**Penn# 0369** †

#### **PRINCIPLES OF BROADCASTING (First Level Course for Radio & TV Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.5 DOE# 7139**

**Ivy Tech VISC 105 Video & Sound  
College Credits: 3**

#### **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](http://pnn.phmschools.org). This publications class lays the groundwork for further study in this field. More information can be found at [massmediastudies.net](http://massmediastudies.net).

**Penn# 0371** †

#### **AUDIO & VIDEO PRODUCTION ESSENTIALS**

**(Second Level Course for Radio &  
TV Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of  
Broadcasting**

**Weight: 4.5 DOE# 7306**

**Ivy Tech VIDT 210 Production  
Editing**

**College Credits: 3**

#### **Course Description:**

After taking *Principles of Broadcasting* 0369, these publications students will continue their work in the PNN Studio and at [pnn.phmschools.org](http://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](http://massmediastudies.net).

**Penn# 0161**

#### **MASS MEDIA PRODUCTION (Third Level Course for Radio & TV Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Audio & Video  
Production Essentials**

**Weight: 4.0 DOE# 7307 or 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](http://pnn.phmschools.org). This publications class lays the groundwork for further study in this field. More information can be found at [massmediastudies.net](http://massmediastudies.net).

**Penn# 0162**

#### **RADIO & TV BROADCASTING CAPSTONE**

**(Capstone course for Radio & TV  
Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Mass Media  
Production**

**Weight: 4.0 DOE# 7308**

#### **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](http://pnn.phmschools.org). This publications class lays the groundwork for further study in this field. More information can be found at [massmediastudies.net](http://massmediastudies.net).

**Penn# 0393**

**SPORTS JOURNALISM**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 1086**

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

**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#**

**ELD I (1655)**

**ELD II (1656)**

**ELD III (1657)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Recommendation: WIDA Scores**

**Weight: 4.0 IDOE: 1012**

**Course Description:**

English Language 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) note taking, (6) study and organizational skills, and (7) 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 English fluency 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. Level placement is based on English level assessment.

**Penn# 1658**

**LANGUAGE LAB**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 IDOE: 0500**

**Prerequisite: WIDA Scores**

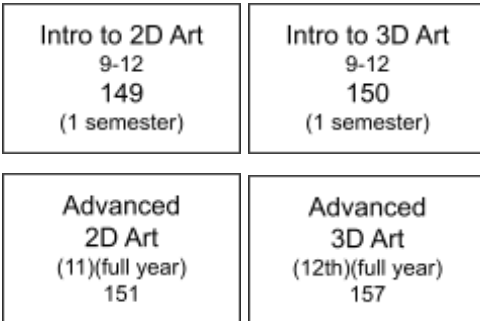
**Course Description:**

Students enrolled in Language Lab complete personalized English grammar exercises that target areas needed for growth. The class also serves as a study hall with access to ENL staff who provide structured support and guidance on general education classroom assignments. It is not required that students also take ELD in conjunction with this course.

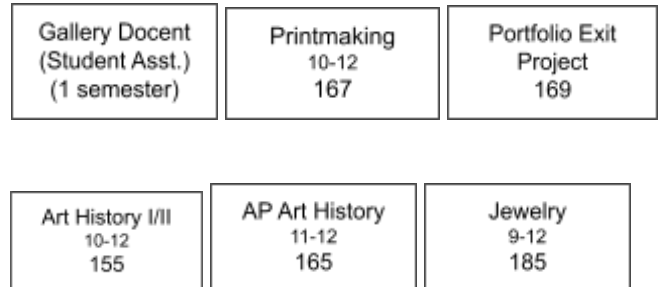
This class replaces the traditional study hall, and Language Lab students should not be enrolled in the online Interactive Media classes associated with the grade level study halls.

# ART

## GENERAL ART COURSES



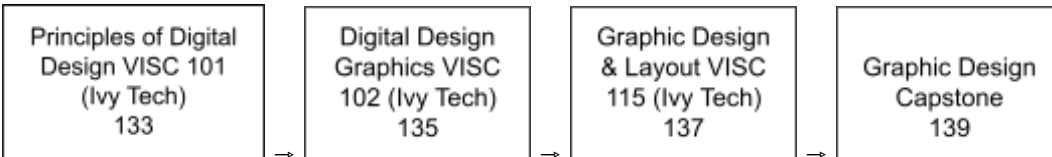
## MISCELLANEOUS ART COURSES



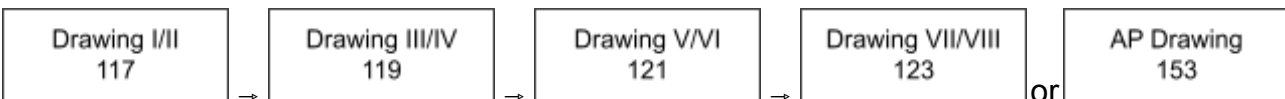
## CERAMICS SEQUENCE



## DIGITAL DESIGN (aka Graphic Design) SEQUENCE - Dual Credit optional, Pathway Optional



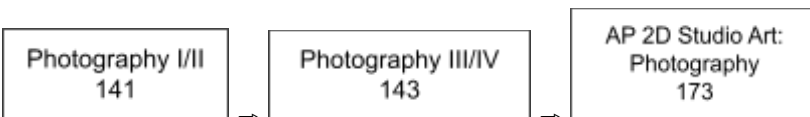
## DRAWING SEQUENCE



## PAINTING SEQUENCE



## PHOTOGRAPHY SEQUENCE (10th - 12th Grade only)



## SCULPTURE SEQUENCE



## VISUAL ARTS

**Penn# 0149**

**INTRODUCTION TO  
TWO-DIMENSIONAL ART**  
*(Course for all Visual Arts  
Pathways with 0150.)*

**Semesters: 1 Credit: 1**

**Grade Level: 9-12**

**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**

**INTRODUCTION TO  
THREE-DIMENSIONAL ART**  
*(Course for all Visual Arts  
Pathways with 0149.)*

**Semesters: 1 Credit: 1**

**Grade Level: 9-12**

**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.

### CERAMICS

**Ceramics Locally Created  
Pathway:**

**Penn# 0109/0110**

**CERAMICS I & II**

*(First Level Course for Ceramics  
Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 DOE# 4040**

**Course Description:**

This is a 2-semester course where you will learn to make your childhood mud pies into 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**

**CERAMICS III & IV**

*(Second Level Course for  
Ceramics Pathway)*

**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**

**CERAMICS V & VI**

*(Third Level Course for Ceramics  
Pathway)*

**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**

**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.

## **DRAWING**

### **Drawing Locally Created Pathway:**

**Penn# 0117/0118**

#### **DRAWING I & II**

**(First Level Course for Drawing Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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**

#### **DRAWING III & IV**

**(Second Level Course for Drawing Pathway)**

**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**

#### **DRAWING V & VI**

**(Third Level Course for Drawing Pathway)**

**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# 0123/0124**

#### **DRAWING VII & VIII**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: Drawing V & VI**

**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.

## **GRAPHIC DESIGN**

### **Digital Design Pathway:**

**(counts as CTE pathway for graduation requirement)**

**(does not count as fine art credit)**

**Penn# 0133**



#### **PRINCIPLES OF DIGITAL DESIGN**

**(First Level Course for Digital Design Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.5 DOE# 7140**

**Ivy Tech VISC 101 Design Fundamentals**

**College Credits: 3**

#### **Course Description:**

Students will be introduced to fundamental design theory as it relates to digital art and graphic design. No prior graphic design knowledge is necessary, you will learn it all here! This course will focus on learning how to use professional design software such as Adobe Photoshop, Illustrator, and InDesign. Projects include making stickers, t-shirts, and more - all of which you will get to take home with you. Investigations into design theory will provide experiences in application, ideas and creative problem solving, and technical skills.

**Penn# 0135**



#### **DIGITAL DESIGN GRAPHICS**

**(Second Level Course for Digital Design Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Digital Design**


**Weight: 4.5 DOE# 7141**

**Ivy Tech-VISC 102 Raster Graphics I**

**College Credits: 3**

**Course Description:**

Take your graphic design skills to the next level in this second year course. Students now have the background knowledge of how to use the Adobe Creative Suite and can really start to focus on applying those skills by creating their own designs from conception to completion. Projects will be guided to help students learn the creative process. Topics will include logo design, designing for print (posters, brochures, flyers, business cards, etc.), the study of typography, and more.

**Penn# 0137** 

**GRAPHIC DESIGN & LAYOUT  
(Third Level Course for Digital Design Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Digital Design Graphics**

**Weight: 4.5 DOE# 5550**

**Ivy Tech-VISC 115 Vector Graphics & Pub Design I**

**College Credits: 3**

**Course Description:**

This third year course will build upon previous courses while utilizing the Adobe Creative Suite and offer more open-ended projects. Students will have much more autonomy in making projects their own. The class will also work as a team to run a production shop for real customers by taking on roles and completing jobs from customer inquiry to delivery of the product. Students will learn about package design and the

importance of creating a brand. In this class, students will really hone in on their graphic design skills by creating industry level products through innovation.

**Penn# 0139**

**DIGITAL DESIGN CAPSTONE  
(Capstone Course for Digital Design Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisites: Graphic Design & Layout**

**Weight: 4.0 DOE# 7246**

**Course Description:**

This course will be run similar to an independent study. Students will be able to choose their projects, focusing on creating a web-based portfolio for college and/or to take to interviews when applying for jobs. Students will have the opportunity to work on industry-grade projects for real clients. If desired, students can become an Adobe Certified Expert (ACE) in the Adobe Creative Suite programs. Students are also encouraged to explore additional graphic based software including - but not limited to - video editing, web design, and animation.

## **PHOTOGRAPHY**

**Photography Locally Created Pathway:**

**Penn# 0141/0142**

**PHOTOGRAPHY I & II  
(First Level Course for Photography Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 4062**

**Course Description:**

**Intro to 2-D or 3-D Art recommended. Students 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 darkroom 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**

**PHOTOGRAPHY III & IV  
(Second Level Course for Photography Pathway)**

**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® 2D ART & DESIGN:  
PHOTOGRAPHY**

**(Third Level Course for Photography Pathway)**

**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. 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](http://apcentral.collegeboard.com/apc/members/exam/exam_information/2134.html)

## **PAINTING**

**Painting Locally Created Pathway:**

**Penn# 0101/0102**  
**PAINTING I & II**  
*(First Level Course for Painting Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 9-12**  
**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**  
**PAINTING III & IV**  
*(Second Level Course for Painting Pathway)*  
**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**  
**PAINTING V & VI**  
*(Third Level Course for Painting Pathway)*  
**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# 0107/0108**  
**PAINTING VII & VIII**  
**Semesters: 2 Credits: 2**  
**Grade Level: 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.

**SCULPTURE**  
**Sculpture Locally Created Pathway:**

**Penn# 0125/0126**  
**SCULPTURE I & II**  
*(First Level Course for Sculpture Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 9-12**  
**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**  
**SCULPTURE III & IV**  
*(Second Level Course for Sculpture Pathway)*  
**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 buildings, etc.

**Penn# 0129/0130**

### **SCULPTURE V & VI**

*(Third Level Course for Sculpture Pathway)*

**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**

### **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.

## **Jewelry**

**Penn# 0185/0186**

### **JEWELRY I/II**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 DOE# 4042**

**Course Description:**

Students create works of jewelry design and fabrication techniques including sawing, piercing, filing, and soldering.

## **Other Visual Arts Courses**

**Penn# 0155/0156**

### **ART HISTORY**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 4024**

**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**

**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 makes 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 blocks, stencils, glue prints, various types of linoleum blocks, etching, mono-prints and mono-types.

**Penn# 0151/0152**

### **ADVANCED TWO-DIMENSIONAL ART**

**Semesters: 2 Credits: 2**

**Grade Level: 11**

**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\\_inform.html](http://apcentral.collegeboard.com/apc/members/exam/exam_inform.html)

**Penn# 0153**

**AP® DRAWING**

*(Third Level Course for Drawing Pathway)*

**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\\_inform/2134.html](http://apcentral.collegeboard.com/apc/members/exam/exam_inform/2134.html)

**Penn# 0154**

**AP® 2D ART & DESIGN: PAINTING**

*(Third Level Course for Painting Pathway)*

**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](http://apcentral.collegeboard.com/apc/members/exam/exam_information/2134.html)

**Penn# 0157/0158**

**ADVANCED**

**THREE-DIMENSIONAL ART**

*(Third Level Course for Ceramics or Sculpture Pathways)*

**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](http://apcentral.collegeboard.com/apc/members/exam/exam_information/2135.html)

**Penn# 0175**

**AP® 3D ART & DESIGN**

*(Third Level Course for Ceramics or Sculpture Pathways)*

**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](http://apcentral.collegeboard.com/apc/members/exam/exam_information/2135.html)

**Penn# 0169**

**PORTFOLIO EXIT PROJECT**

**Semesters: 2 Credits: 2**

**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**

Freshmen Intermediate Concert Band  
(817)

Intermediate Concert Band  
(819)

Symphonic Band -  
Advanced Concert Band  
(839)

Symphonic Winds  
Advanced Concert Band  
(841)

Kaleidoscope Jazz Combo  
(849)  
Must be enrolled in a band or  
orchestra class

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

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

## **BAND**

### **Band Locally Created Pathway:**

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

**Penn# 0817**  
**FRESHMAN INTERMEDIATE CONCERT BAND**  
*(Course for Band Pathway)*  
**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**  
*(Course for Band Pathway)*  
**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**  
**SYMPHONIC BAND - ADVANCED CONCERT BAND**  
*(Course for Band Pathway)*  
**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**  
**SYMPHONIC WINDS—ADVANCED CONCERT BAND**  
*(Course for Band Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 10-12**  
**Prerequisite: Audition & private lessons are highly encouraged**

**Weight: 4.5 DOE# 4170**  
**Course Description:**

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# 0827**  
**INTERMEDIATE JAZZ ENSEMBLE**  
*(Course for Band Pathway)*  
**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:**

Wind players must be in a concert band class; bassists must be in an orchestra class; percussionists must be in a percussion class. This course is available to students also enrolled in a concert band class. Pianists and guitarists may audition into the ensemble without participation in a concert band. Bassists should be enrolled in an orchestra class. Emphasis is placed on technical 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# 0829**  
**ADVANCED JAZZ ENSEMBLE**  
*(Course for Band Pathway)*  
**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:**

Wind players must be in a concert band class; bassists must be in an orchestra class; percussionists must be in a percussion class

This course is available by audition to students also enrolled in a concert band class. Pianists and guitarists may audition into the ensemble without participation in a concert band. Bassists should be enrolled in an orchestra class. Emphasis is placed on technical 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****KALEIDOSCOPE JAZZ COMBO-INSTRUMENTAL ENSEMBLE**

*(Course for Band Pathway)*

**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.

**Penn# 0823****PERCUSSION STUDIES**

*(Course for Band Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Pre/Corequisite: Current percussionist in a band course.**

**Weight: 4.0 DOE# 4162**

**Course Description:**

The Intermediate 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 (0817, 0819 or 0839) for all concerts and contests. There will be 4-5 required performances throughout the year.

**Penn# 0825****ADVANCED PERCUSSION STUDIES**

*(Course for Band Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Pre/Corequisite: Audition & Current percussionist in a band course.**

**Weight: 4.0 DOE# 4162**

**Course Description:**

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 (0839 or 0841) for all concerts and contests. There will be several required performances throughout the year. Private lessons are required.



# ORCHESTRA

String Orchestra  
Intermediate  
Orchestra (L)  
(9-12)  
831

Concert  
Orchestra  
Intermediate  
Orchestra (L)  
(9-12)  
847

Symphonic  
Orchestra  
Advanced  
Orchestra (L)  
(10-12)  
833

Philharmonic  
Orchestra  
Advanced  
Orchestra (L)  
(9-12)  
834

Chamber  
Orchestra  
Instrumental  
Ensemble (L)  
(9-12)  
857

## **ORCHESTRA**

### **Orchestra Locally Created Pathway:**

*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- INTERMEDIATE ORCHESTRA (Course for Orchestra Pathway)**

**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- INTERMEDIATE ORCHESTRA (Course for Orchestra Pathway)**

**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**

### **CHAMBER ORCHESTRA- INSTRUMENTAL ENSEMBLE (Course for Orchestra Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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- ADVANCED ORCHESTRA (Course for Orchestra Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**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.

**Penn# 0834**

**PHILHARMONIC ORCHESTRA -  
ADVANCED ORCHESTRA**

***(Course for Orchestra Pathway)***

***Semesters: 2 Credits: 2***

***Grade Level: 9-12***

***Prerequisite: Audition***

***Weight: 4.0 DOE# 4174***

**Course Description:**

Emphasis is placed on tone, instrument and bow technique development, sight-reading, and advanced performance techniques. Opportunities to participate in ISSMA Solo & Ensemble contests are available as these activities develop elements of musicianship. Serious string 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. This course is designed to offer

intermediate-advanced instrumental performers an opportunity to study and perform string music literature, with an opportunity to play chamber music in small ensembles.

# ELECTIVE MUSIC

Music Technology I & II  
(10-12)  
(843/844)  
(use 843 to schedule)

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

AP Music Theory I & II  
(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**

### **MUSIC TECHNOLOGY I & II**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**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**

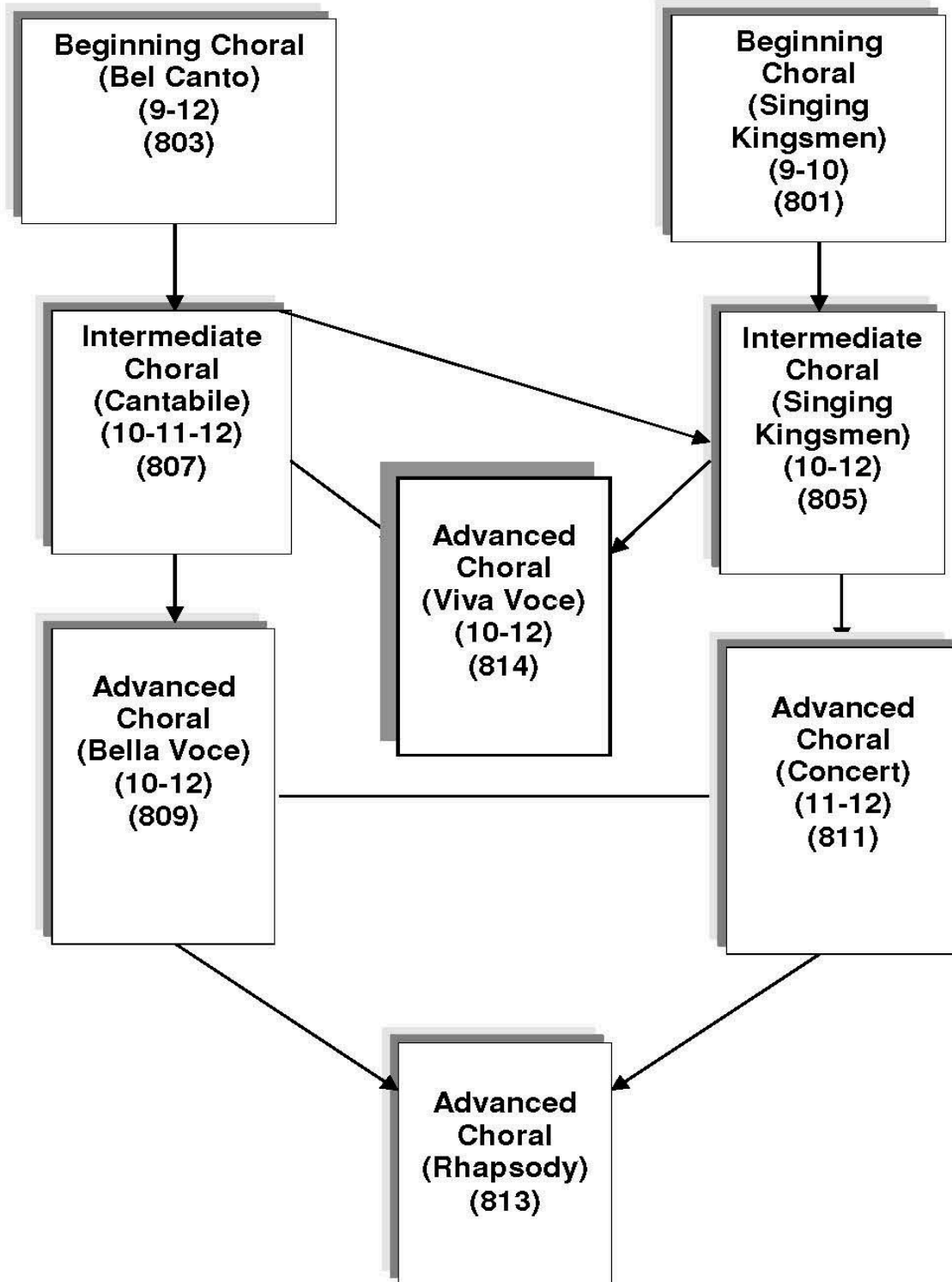
**Prerequisite: Music Theory I & II or pass the Final Exam for Music Theory I & II**

**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 in 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



## **CHORAL MUSIC**

### **Choral Locally Created Pathway:**

***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**

#### **SINGING KINGSMEN- BEGINNING CHORAL**

***(Course for Choral Pathway)***

***Semesters: 2 Credits: 2***

***Grade Level: 9***

***Weight: 4.0 DOE# 4182***

#### **Course Description:**

This beginning men's choir is open to all freshmen students regardless of experience. Emphasis is placed on tone, technique, breath control, music theory, and sight reading. Students will be performing a wide variety of musical styles, and participation in ISSMA Solo/Ensemble contest is highly encouraged. Students are expected to perform at shows several times during the year.

**Penn# 0803**

#### **BEL CANTO- BEGINNING CHORAL**

***(Course for Choral Pathway)***

***Semesters: 2 Credits: 2***

***Grade Level: 9***

***Weight: 4.0 DOE# 4182***

#### **Course Description:**

This beginning women's choir is open to all freshmen students regardless of experience. Emphasis is placed on tone, technique, breath control, music theory, and sight reading. Students will be performing

a wide variety of musical styles, and participation in ISSMA Solo/Ensemble contest is highly encouraged. Students are expected to perform at shows several times during the year.

**Penn# 0805**

#### **SINGING KINGSMEN- INTERMEDIATE CHORAL**

***(Course for Choral Pathway)***

***Semesters: 2 Credits: 2***

***Grade Level: 10-12***

***Prerequisite: Beginning Chorus-Singing Kingsmen or permission of instructor***

***Weight: 4.0 DOE# 4186***

#### **Course Description:**

This intermediate men's choir is open to all students that have completed the beginning level Singing Kingsmen course, or those students that have been given permission from the instructor. The course is designed to build upon and further develop the concepts and skills learned in beginning choir. Emphasis is placed on tone, technique, breath control, music theory, and sight reading. Students will be performing a wide variety of musical styles, and participation in ISSMA Solo/Ensemble contest is highly encouraged. Students are expected to perform at shows several times during the year.

**Penn# 0807**

#### **BELLA VOCE- INTERMEDIATE CHORAL**

***(Course for Choral Pathway)***

***Semesters: 2 Credits: 2***

***Grade Level: 10-12***

***Prerequisite: Beginning Chorus or permission of instructor***

***Weight: 4.0 DOE# 4186***

#### **Course Description:**

This intermediate women's choir is open to all students that have completed the beginning level Bel Canto course, or those students that have been given permission from the instructor. The course is designed to build upon and further develop the concepts and skills learned in beginning choir. Emphasis is placed on tone, technique, breath control, music theory, and sight reading. Students will be performing a wide variety of musical styles, and participation in ISSMA Solo/Ensemble contest is highly encouraged. Students are expected to perform at shows several times during the year.

**Penn# 0809**

#### **CANTABILE- ADVANCED CHORAL**

***(Course for Choral Pathway)***

***Semesters: 2 Credits: 2***

***Grade Level: 10-12***

***Prerequisite: Audition***

***Weight: 4.5 DOE# 4188***

#### **Course Description:**

This advanced women's choir is a highly select group of singers that focuses on vocal jazz, pop a cappella, madrigals, and chamber repertoire. Students will further develop the concepts and skills learned in previous choirs. Emphasis is placed on advanced skills and musicianship. Participation in ISSMA Solo/Ensemble contest is required, and students will participate in ISSMA Vocal Jazz contest. This choir travels domestically or internationally every other year. Auditions take place in December.

**Penn# 0811**

**GOLD STANDARD- ADVANCED  
CHORAL**

*(Course for Choral Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Audition**

**Weight: 4.5 DOE# 4188**

**Course Description:**

This advanced concert choir is open to all students that successfully audition into the group and/or have been in beginning and intermediate choir. Emphasis is placed on advanced skills and musicianship. Participation in ISSMA Solo/Ensemble contest is required, and students will participate in ISSMA State Qualifications contest. In addition to performing several times throughout the year, special performances with outside organizations are exclusive to this choir. This choir travels domestically or internationally every other year. Auditions take place in December.

**Penn# 0813**

**RHAPSODY- CHORAL CHAMBER  
ENSEMBLE**

*(Course for Choral Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Audition AND  
enrollment in Cantabile Voices or  
Gold Standard**

**Weight: 4.0 DOE# 4180**

**Course Description:**

This show choir is open to all students that successfully audition into the group and are also enrolled in either Cantabile Voices or Gold Standard. Repertoire focuses on pop, contemporary, and musical songs. Emphasis is placed on advanced skills and technique with vocals and dance choreography. Participation in ISSMA Solo/Ensemble is required. This show choir is available for public performances during December and May. Auditions take place in March.

**Penn# 0814**

**VIVA VOCE- CHORAL CHAMBER  
ENSEMBLE**

*(Course for Choral Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisites: Audition AND  
enrollment in Cantabile Voices or  
Gold Standard**

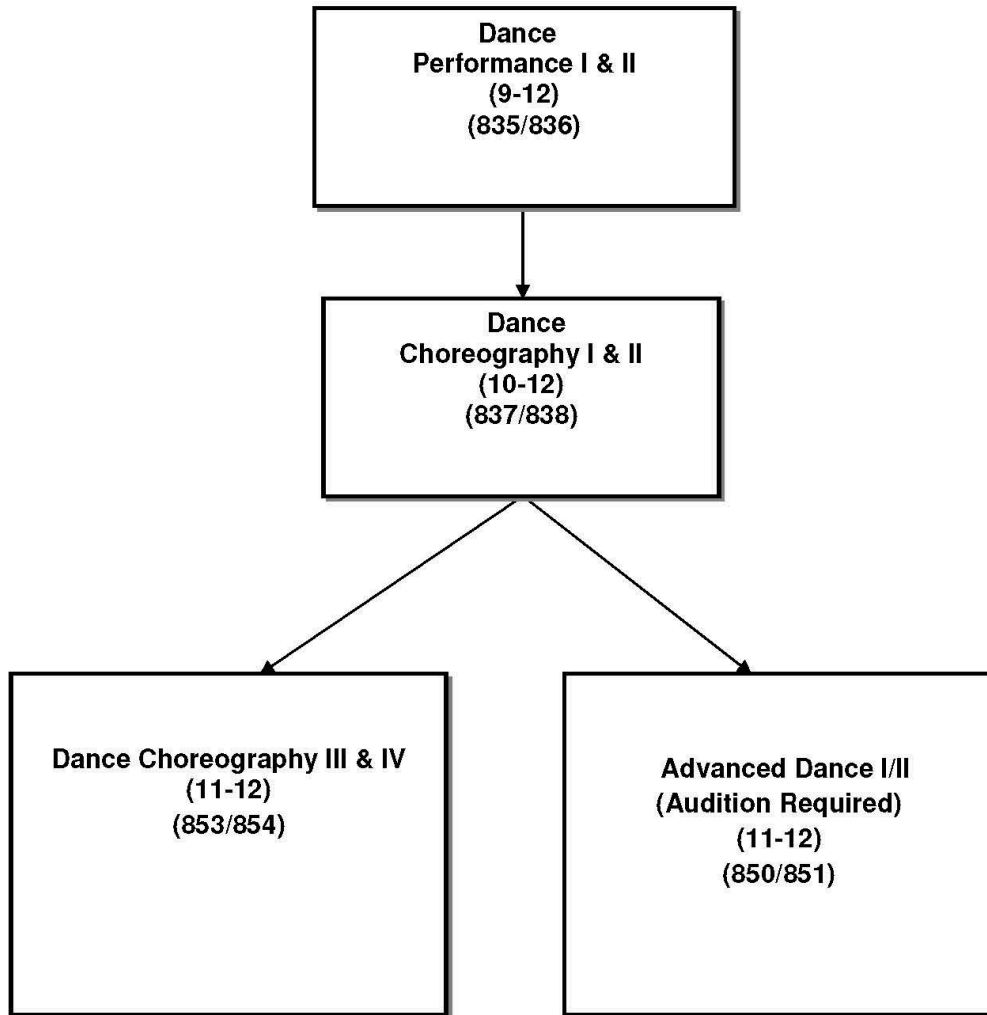
**Weight: 4.0 DOE# 4180**

**Course Description:**

This advanced chamber choir is a highly select group of singers. Students must successfully audition into the group and be enrolled in either Cantabile Voices or Gold Standard. In addition to developing advanced skills, technique, and musicianship, students will focus on music of living composers. Students will develop mastery with contemporary, vocal jazz, a cappella, pop, and traditional choral styles. This choir commissions a composer each year to write music specifically for this group. Participation in ISSMA Solo/Ensemble contest is required. Students will perform several times throughout the year. Auditions take place in March.



# DANCE



## **DANCE**

### **Dance Locally Created Pathway:**

***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***

***DANCE PERFORMANCE I & II  
(First Level Course for Dance Pathway)***

***Semesters: 2 Credits: 2***

***Grade Level: 9-12***

***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***

***DANCE CHOREOGRAPHY I & II  
(Second Level Course for Dance Pathway)***

***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***

***DANCE CHOREOGRAPHY III & IV  
(Third Level Course for Dance Pathway)***

***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***

***ADVANCED DANCE I & II  
(Third Level Course for Dance Pathway)***

***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)**

**Technical Theatre I & II**

**(9-12)**

**(347/348)**

**Advanced  
Theatre Arts I & II**

**(10-12)**

**(345/346)**

**Advanced Technical Theatre I & II**

**(10-12)**

**(381/382)**

**Advanced Acting I & II**

**(11-12)**

**(383/384)**

# **THEATRE**

## **Theatre Locally Created Pathway:**

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

**Penn# 0343/0344**

### **THEATRE ARTS I & II**

**(Course for Theatre Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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**

### **ADVANCED**

### **THEATER ARTS I & II**

**(Course for Theatre Pathway)**

**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**

### **ADVANCED ACTING I & II**

**(Course for Theatre Pathway)**

**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**

### **TECHNICAL THEATRE I & II**

**(Course for Theatre Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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**

**ADVANCED TECHNICAL  
THEATRE I & II**

*(Course for Theatre Pathway)*

**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.

**Penn# 1864 (1860 -0 credit)**

**THEATRE INTERNSHIP (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 5974**

**Course Description:**

This internship focuses on theatre management, giving students hands-on experience maintaining and preparing both a proscenium stage theatre and a black box theatre. Students will learn how to do basic maintenance with audio and visual cables, hang and focus lighting equipment, place and route sound on stage, troubleshoot control surfaces, build sets, and learn the inner workings of a theatre.

# PHYSICAL EDUCATION/HEALTH

\*Single Semester Course

Required: Grade 9:	Physical Education I & II 9 0501	or	Physical Conditioning 9 0555
Team Sports:	*Advanced Team Sports 10-12 0507/0508		*Basketball - Recreational 11-12 0541/0542
Individual Fitness:	*Fitness I 10-12 0505/0506	*Fitness II 10-12 0509/0510	*XFIT 10-12 0533/0534
Swim/Water:	*Lifeguard Training 10-12 0513/0514		*Water Activities 10-12 0521/0522
Internship:	Lifeguard Internship 11-12 1857 (Full year)		*Officiating 10-12 0543/0544
Required Health Grade 10:	*Health 10 0515/0516	or	Summer Only Summer School Health (Blended Learning Class & Computer)
Health Electives:	*Advanced Health 10-12 0517/0518		
Exercise Science Pathway:	Principles of Exercise Science HLHS 100 (Ivy Tech) 10-12 0535		Kinesiology 11-12 0557
			Human Performance 11-12 0559

## **PHYSICAL EDUCATION & HEALTH DEVELOPMENT**

### **FITNESS:**

Mind~Body~Academics

### **PHYSICAL EDUCATION (9)**

**Penn# 0501/0502**

#### **PHYSICAL EDUCATION I & II**

**Semesters: 2 Credits: 2**

**Grade Level: 9**

**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 in 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)**

**0555/0556 (PE-9)**

#### **PHYSICAL CONDITIONING**

**Semesters: 1 Credits: 1**

**Grade Level: 9-12**

***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 AND/OR 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 will learn 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 the course a second time: students must have earned an "A" or "B" in Fitness I the first time.

**Penn# 0509 AND/OR 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 AND/OR 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 general overall physical fitness. XFit workouts call for participants to work hard and fast with little rest. Competence 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, some swimming is possible, body weight movements, 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 AND/OR 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, swim 20 yds., surface dive to a depth of 7 ft., retrieve a 10 lb. object, return to the surface, and swim 20 yds. back to the starting point, and exit without a 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 the 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# 1858 (1857 0 credit)**

**PENN LIFEGUARD INTERNSHIP (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Lifeguard Certification and First Aid, CPR and 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 AND/OR 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 AND/OR 0508 (Coed)  
0547 AND/OR 0548 (Girls)**

**ADVANCED TEAM SPORTS**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Prerequisite: Phys Ed 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 AND/OR 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.

**Penn# 0543 / 0544**  
**OFFICIATING**  
**Semesters: 2 Credits: 2**  
**Grade Level: 10-12**  
**Prerequisite: PE I & II**  
**Weight: 4.0 DOE# 3560**  
**(Students can take 2 semesters)**  
**Course Description:**  
Officiating is a course created in partnership with the IHSAA. Students will study and practice officiating in 2 sports each semester. Once students have learned the rules and standards of officiating they will take the IHSAA test and become licensed officials. Student

Officials can officiate middle school and little league sports. Field experience is required and may happen outside of class time and/or outside of the school day. The teacher will coordinate with students.  
Some sports knowledge is required for students to be successful in this course.

## HEALTH

**Penn# 0515 OR 0516**  
**HEALTH & WELLNESS EDUCATION**  
**Semesters: 1 Credits: 1**  
**Grade Level: 10**  
**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 vaping. 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 OR 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.

## EXERCISE SCIENCE

**Exercise Science Pathway:**

**Penn# 0535**   
**PRINCIPLES OF EXERCISE SCIENCE**  
**(First level course for Exercise Science Pathway)**  
**Semesters: 2 Credits: 2**  
**Grade Level: 10-12**  
**Weight: 4.5 DOE# 7320**  
**Ivy Tech-HLHS 100 Intro to Healthcare**

**Course Description:**  
Physical Therapy/Athletic Training. Health Science Education I is a course designed to provide a foundation of skill development to health careers. Students will receive an introduction to healthcare systems, anatomy, physiology and medical terminology. Laboratory experiences are organized and planned around the activities associated with the student's career objectives. This course will include CPR/AED/First Aid Certification and

taping technique labs and modality use.

**Penn# 0557**

**KINESIOLOGY**

*(Second level course for Exercise Science Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Principles of Exercise Science**

**Counts as 3rd science course**

**Weight: 4.0 DOE # 7321**

**Course Description:**

Extended laboratory experience at a qualified clinical site designed for students to assume the role of a student athletic trainer assistant and practice using the technical skills and information previously learned in the classroom. This course prepares students with the knowledge, skills and attitude essential for providing basic care

under the direction of licensed Athletic Trainers.

**Penn# 0559**

**HUMAN PERFORMANCE**

*(Third level course for Exercise Science Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level : 11-12**

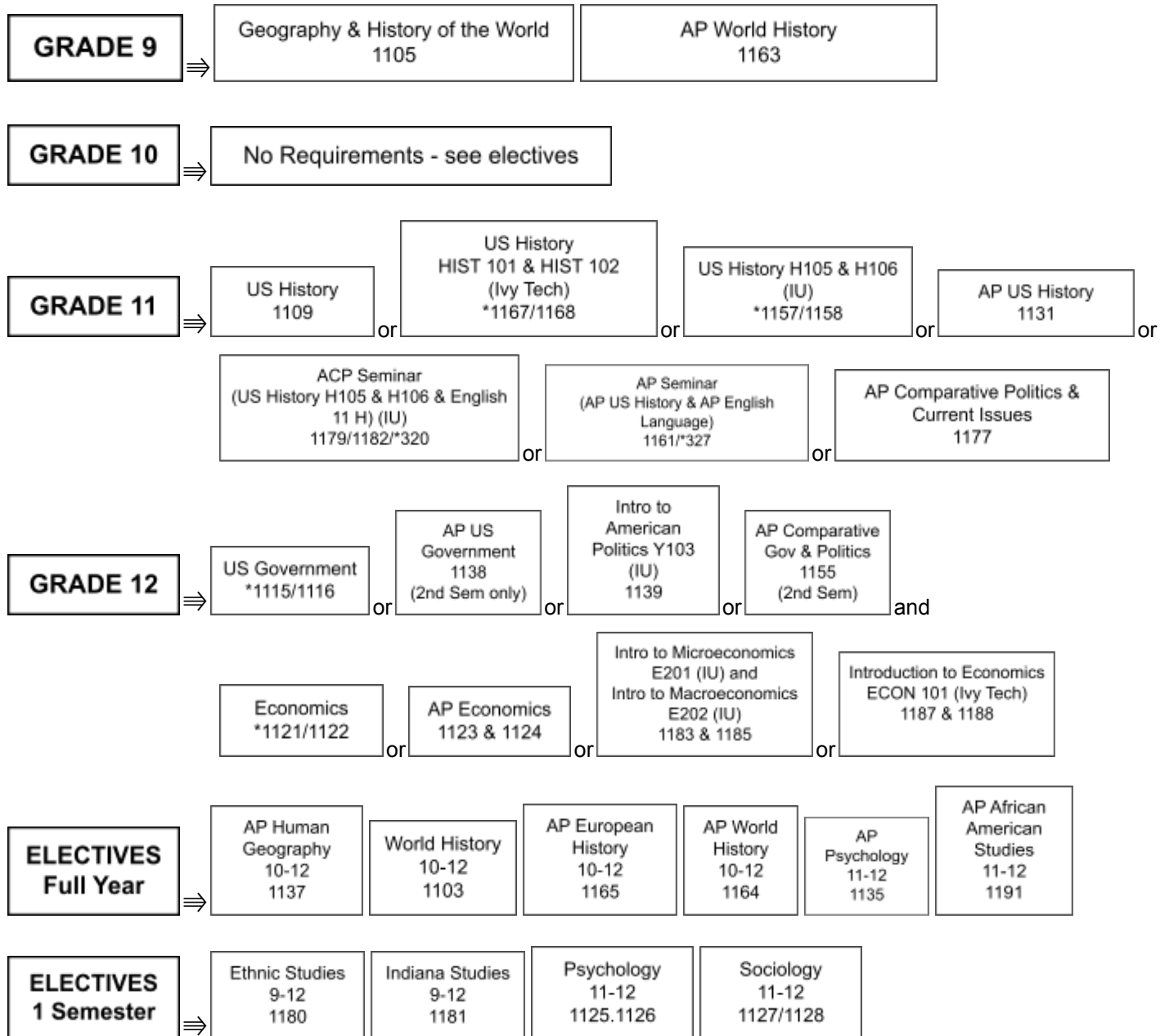
**Prerequisite: Principles of Exercise Science**

**Weight: 4.0 DOE # 7322**

**Course Description:**

Extended laboratory experience at a qualified clinical site designed for students to assume the role of a physical therapy assistant and practice using the technical skills and information previously learned in the classroom. This course prepares students with the knowledge, skills and attitude essential for providing basic care under the direction of licensed Physical Therapists.

# SOCIAL SCIENCES



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

## **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**

**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# 1163 (9)**



**Penn# 1164 (10-12)**

### **AP® WORLD HISTORY**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 5.0 DOE# 1612**

#### **Course Description:**

In AP World History students investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, economic systems, social interactions and organization, and technology and innovation.

**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:**

In AP European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. European History takes several field trips per year in order to study different art movements.

**Penn# 1109**



### **U.S. HISTORY**

**Semesters: 2 Credits: 2**

**Grade Level: 11**

**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 as they

examine America from the late 19th century to the start of the 21st.

**Penn# 1131**



**AP® U.S. HISTORY**

**Semesters: 2 Credits: 2**

**Grade Level: 11**

**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**



**ACP US HISTORY**

**Semesters: 2 Credits: 2**

**Grade Level: 11**

**Prerequisite: Must meet I.U. admissions requirement**

**Weight: 5.0 DOE# 1542**

**IU-H105 American History I/H106 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. United States History H105/106 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# 1179/1182/0320**



**ACP US HISTORY with 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-H105 American History I/H106 American History II**

**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 US History H105/106**. 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# 1167/1168**



**US HISTORY**

**Semesters: 2 Credits: 2**

**Grade Level: 11**

**Weight: 4.5 DOE# 1542**

**Ivy Tech-HIST 101/HIST 102 Survey of American History I & 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**



**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**

**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 the 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. Students will examine a variety of literary resources throughout the semester from reputable news organizations, political science research, and text. Naturalization test for citizenship is required.

**Penn# 1138**



**AP® U.S. GOVERNMENT &  
POLITICS**

**Semesters: 1 (2nd sem. only)**

**Credits: 1**

**Grade Level: 12**

**Weight: 5.0 DOE# 1560**

**Fulfills US Gov requirements**

**Course Description:**

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

civics project. The required project adds a civic component to the course, engaging students in exploring how they can affect, and are affected by, government and politics throughout their lives. Naturalization test for citizenship is required.

**Penn# 1189 or 1190** 

### **INTRODUCTION TO AMERICAN GOVERNMENT AND POLITICS**

**Semesters: 1 Credits: 1**

**Grade Level: 12**

**Prerequisites: Passing score on the English Knowledge**

**Assessment, PSAT, or a cumulative GPA of 2.6 or higher.**

**Weight: 4.5 DOE# 1540**

**DOE- United States Government Ivy Tech-POLS 101 Intro to American Government and Politics**

**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. Naturalization test for citizenship is required

**Penn# 1139** 

### **ACP POLITICAL SCIENCE**

**Semesters: 1 Credits: 1**

**Grade Level: 12**

**Prerequisite: Meet IU admission requirements**

**College credits: 3**

**Weight: 5.0 DOE# 1540**

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

**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. Naturalization test for citizenship is required.

**Penn# 1121 OR 1122**  

### **ECONOMICS**

**Semesters: 1 Credits: 1**



**Grade Level: 12**

**Weight: 4.0 DOE# 1514**

**(Quantitative Reasoning Course)**

**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# 1187/1188**  

### **INTRO TO ECONOMICS**

**Semesters: 1 Credits: 1**

**Grade Level: 12**



**Weight: 4.5 DOE# 1514**

**Ivy Tech-ECON 101 Economics Fundamentals**

**(Quantitative Reasoning Course)**

**Course Description:**

This course provides a survey of microeconomics, macroeconomics, international economics, comparative economic systems, historical development of economic thought, and their application to current economic problems. An introductory course intended primarily for students who need only one semester of economics.

**Penn# 1123/1124**  

**AP® MICRO & MACRO  
ECONOMICS**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Weight: 5.0 DOE# 1564/1566**

**(Quantitative Reasoning Course)**

**Course Description:**

AP® Economics is a two-semester course of study which fulfills the economic graduation requirement. This course in Microeconomics and Macroeconomics is designed to give students a thorough understanding of the principles of economics. 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. 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. There are two AP® tests associated with this course. In order to receive a weighted grade students are required to take both the AP Microeconomics AND the AP Macroeconomics exams.

**Penn# 1183**  

**ACP MICROECONOMICS**

**Semesters: 1 Credits: 1**

**Grade: 11-12**

**Weight 5.0 DOE# 1514**

**IU-ECON-E201/103 Introduction to  
Macroeconomics**

**College Credits: 3**

**(Quantitative Reasoning Course)**

**Course Description:**

**Intro to Microeconomics** - This course will focus on scarcity,

opportunity cost, competitive and non-competitive market pricing, and interdependence as an analytical core. Individual sections apply this core to a variety of current economic policy problems, such as poverty, pollution, excise taxes, rent controls, and farm subsidies. Students are awarded three credit hours 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.

**Penn# 1185**  

**ACP MACROECONOMICS**

**1 Semester 1 Credit**

**Grade: 11-12**

**Prerequisite: ACP**

**Microeconomics**

**Weight: 5.0 DOE# 1514**

**IU-ECON-E202/104 Introduction to  
Macroeconomics**

**College Credits: 3**

**(Quantitative Reasoning Course)**

**Course Description:**

**Intro to Macroeconomics** - This course is focused on measuring and explaining aggregate economic performance, money, monetary policy, and fiscal policy as an analytical core. Individual sections apply this core to a variety of current economic policy problems, such as inflation, unemployment, and economic growth. Students are awarded three credit hours 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.

**Penn# 1125 OR 1126**

**PSYCHOLOGY**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**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 OR 1128**

**SOCIOLOGY**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 1534**

**Course Description:**

Sociology allows students to study human social behavior from a group perspective. The sociological perspective is a method of studying recurring patterns in people's attitudes and actions and how these patterns vary across time, cultures, and in social settings, and groups. Students describe the development of sociology as a social science and identify methods of research. Through research methods such as scientific inquiry, students examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The



impact of social groups and institutions on group and individual behavior and the changing nature of society will be examined. Influences on group behavior and social problems are included in the course. Students also analyze the role of individuals in the community and social problems in today's world. The goal of this course is to help students see the world sociologically and analyze what they see. This course is organized around a series of in-class exercises and field studies. Each is designed to introduce students to a different sub-field, familiarize them with different analytical techniques, and help them learn new theories and concepts. In this class, students will work individually, in pairs, and in small groups.

**Penn# 1180**

**ETHNIC STUDIES**

**Semesters: 1 Credits: 1**

**Grade Level: 9-12**

**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**

**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 students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

**Penn# 1171**

**SOCIAL JUSTICE SOCIOLOGY**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Weight: 4.0 DOE# 1534/1502**

**Course Description:**

Students will receive **1 HS Credit in Sociology** 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# 1135**



**AP® PSYCHOLOGY**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**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.

**Penn# 1155**



**AP® COMPARATIVE  
GOVERNMENT & POLITICS**  
**Semesters: 1 (2nd Sem. only)**  
**Credits: 1**

**Grade Level: 12**

**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. This course does not fulfill US Govt requirement.

**Penn# 1177**



**AP® COMPARATIVE  
GOVERNMENT & POLITICS**  
**2 Semesters 2 Credits**

**Grade Level: 10-12**

**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 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.<sup>1</sup> 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 Govt requirement.

**Penn # 1191**

**AP® AFRICAN AMERICAN  
STUDIES**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

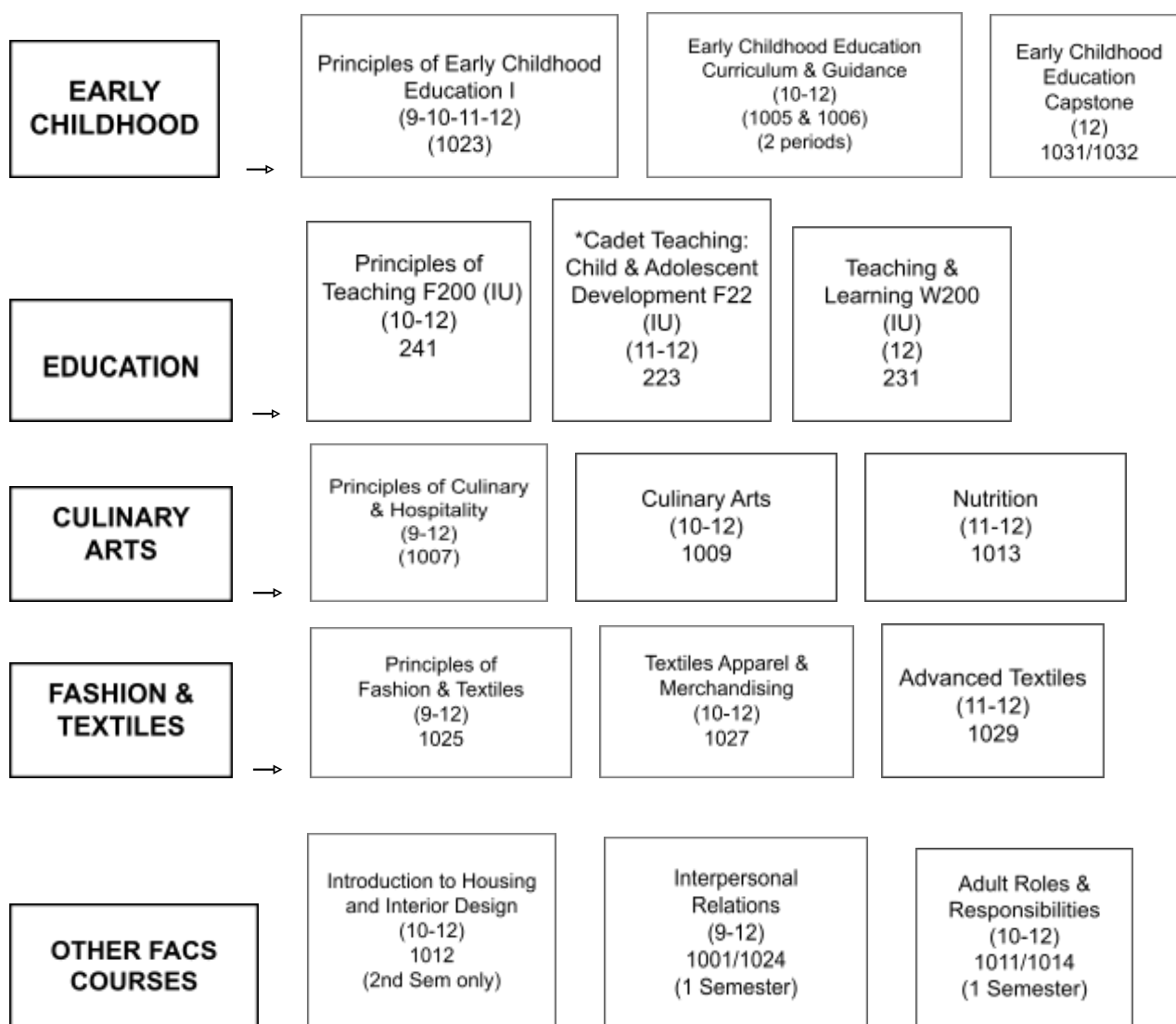
**Weight: 5.0 DOE# TBD**

**Course Description:**

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early

African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This is for students who are interested in a diverse and varied approach to the African American experience through examining history, culture, music, literature, and more. The course culminates with both a research component that is submitted to College Board, and a more traditional AP test.

# FAMILY & CONSUMER SCIENCES



# FAMILY AND CONSUMER SCIENCE EDUCATION

## EARLY CHILDHOOD

### **Early Childhood Education Pathway:**

**Penn# 1023**

#### **PRINCIPLES OF EARLY CHILDHOOD EDUCATION**

*(First level course for Early Childhood Education Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 DOE# 7160**

#### **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 & 1006**

#### **EARLY CHILDHOOD EDUCATION CURRICULUM & GUIDANCE**

*(Second level course for Early Childhood Education Pathway)*

**Semesters: 2 Credits: 4**

**Grade Level: 10-12**

**Prerequisite: Principles of Early Childhood Education**

**Double block class- 1 period daily**

**Weight: 4.0 DOE# 7158 & 7159**

#### **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 for more than 60 hours. Penn's Playschool 2 offers an additional 60+ hours of work with preschool age children. This is an excellent course for students with interest in education and related career paths.

**Penn# 1031/1032**

#### **EARLY CHILDHOOD EDUCATION CAPSTONE**

*(Capstone course for Early Childhood Education)*

**Semesters: 2 Credits: 4**

**Grade Level: 11-12**

**Prerequisite: Early Childhood Education Curriculum & Guidance**

**Double block class- 1 period daily**

**Weight: 4.0 DOE# 7259**


#### **Course Description:**

Theories of child development, biological and environmental foundations, prenatal development, the birth process, and the newborn baby will be discussed. Additionally, students will explore the aspects of early literacy skill development in young children from birth through third grade. Students will explore techniques, technological tools and other learning opportunities that encourage positive attitudes in

children regarding listening, speaking, reading and writing activities.

## EDUCATION

### **Education Careers Pathway:**

**Penn# 0241** 

#### **PRINCIPLES OF TEACHING**

*(First level course for Education Careers Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 5.0 DOE# 7161**

**IU-EDUC- F 200 Examining Self as Teacher**

**College Credits: 3**

#### **Course Description:**

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

**Penn# 0223**  

#### **CADET TEACHING:**

#### **CHILD & ADOLESCENT DEVELOPMENT**

*(Second level course for Education Careers Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Principles of Teaching**

**Weight: 5.0 DOE# 7157**  
**IU-P 250 General Educational**  
**Psychology**

**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 the teacher in the first semester.*

**Penn# 0231**



**ADVANCED CADET TEACHING:**  
**TEACHING & LEARNING**

*(Third level course for Education*  
*Careers Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: Cadet Teaching:**

**Child & Adolescent Development**  
**Weight: 4.5 DOE# 7162**  
**IU-EDUC-W 200 Using Computers**  
**in Education**

**College Credits: 3**

**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.

**CULINARY ARTS**

**Culinary Arts Pathway:**

**Penn# 1007**

**PRINCIPLES OF CULINARY &**  
**HOSPITALITY**

*(First level course for Culinary*  
*Arts Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 DOE# 7173**

**Course Description:**

Culinary Arts 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**

*(Second level course for Culinary*  
*Arts Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of**  
**Culinary & Hospitality**

**Weight: 4.0 DOE# 7169**

**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# 1013**

**NUTRITION**

*(Third level course for Culinary Arts Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Culinary Arts**

**Weight: 4.0 DOE# 7171**

**Course Description:**

Nutrition students will learn the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. This course will engage students in hands-on learning of nutritional concepts such as preparing nutrient dense meals or examining nutritional needs of student athletes.

**FASHION & TEXTILES**

**Fashion & Textiles Pathway:**

**Penn# 1025**

**PRINCIPLES OF FASHION & TEXTILES**

*(First Level Course for Fashion & Textiles Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Counts as a fine arts requirement**

**Weight: 4.0 DOE# 7301**

**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**

**TEXTILES, APPAREL & MERCHANDISING**

*(Second Level Course for Fashion & Textiles Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Fashion & Textiles**

**Weight: 4.0 DOE# 7302**

**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**

**ADVANCED TEXTILES**

*(Third Level Course for Fashion & Textiles Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Textiles, Apparel & Merchandising**

**Weight: 4.0 DOE# 7303**

**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. Some goals of this course are for students to be able to: identify current trends in hotel and service industry, distinguish the difference between hospitality and tourism, and understand sales and merchandising from both a tourist and occupational point of view. Instructional strategies may include a school-based enterprise, computer/technology applications, real and/or simulated occupational experiences, and projects in the marketing functions.

**OTHER FACS COURSES**

**Penn# 1001 OR 1024**

**INTERPERSONAL**

**RELATIONSHIPS**

**Semesters: 1 Credits: 1**

**Grade Level: 9-12**

**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# 1012**  
**INTRODUCTION TO HOUSING AND INTERIOR DESIGN**  
**Semesters: 1 Credits: 1**  
**Grade Level: 10-12**  
**Counts as Fine Arts requirement for Academic Honors diploma**  
**Weight: 4.0 DOE# 5350**  
**Course Description:**

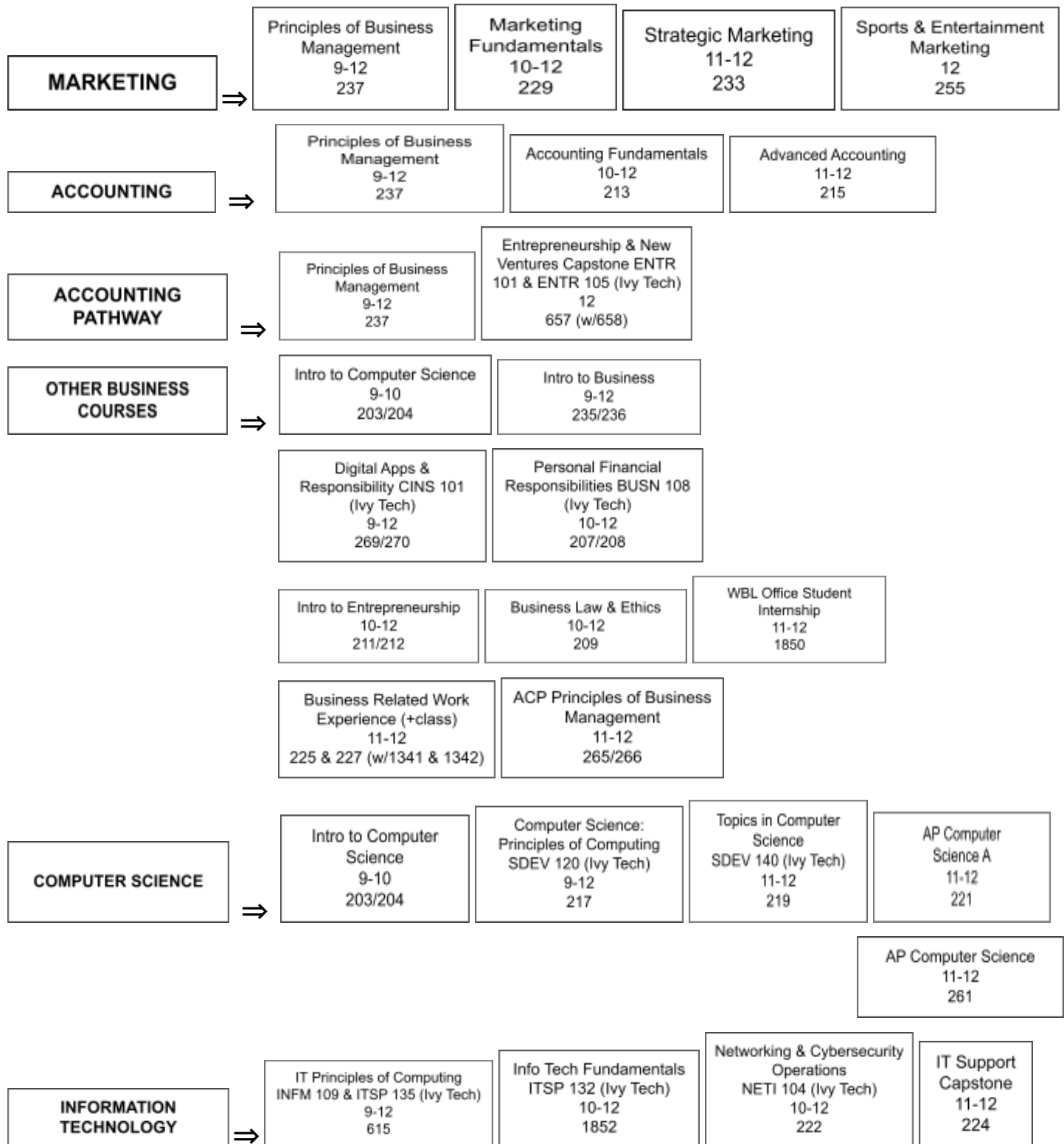
This introductory course is essential for students interested in academic enrichment or a career within the housing, interior design, or furnishings industry. The class focuses on several aspects of the home, primarily its interior environment. Units of study include architectural styles, universal design, 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.

**Penn# 1011 OR 1014**  
**ADULT ROLES AND RESPONSIBILITIES**  
**Semesters: 1 Credits: 1**  
**Grade Level: 10-12**  
**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.

# BUSINESS





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

## MANAGEMENT & BUSINESS ACADEMY

**Penn# 0237**

### **PRINCIPLES OF BUSINESS MANAGEMENT**

*(First Level Course for all Business Pathways)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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.

### **MARKETING**

#### **Marketing & Sales Pathway:**

**Penn# 0229**

### **MARKETING FUNDAMENTALS**

*(Second Level Course for Marketing Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Business Management**

**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# 0233**

### **STRATEGIC MARKETING**

*(Third Level Course for Marketing Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Marketing Fundamentals**

**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# 0255**

### **SPORTS & ENTERTAINMENT MARKETING**

*(Fourth level course for Marketing Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Pre/Corequisite: Strategic Marketing**

**Weight: 4.0 DOE# 7201(5968)**

#### **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.

### **ACCOUNTING**

#### **Accounting Pathway:**

**Penn# 0213**

### **ACCOUNTING FUNDAMENTALS**

*(Second Level Course for Accounting Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Business Management**

**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**

**(Third Level Course for Accounting Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Accounting Fundamentals**

**Weight: 4.5 DOE# 4522**

**Ivy Tech-ACCT 122 Accounting Systems Applications**

**College Credits: 3**

**(Quantitative Reasoning Course)**

**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.

**STARTUP MOXIE**

**Entrepreneurship Pathway:**

**Penn# 0657A, B & C** 

**STARTUP MOXIE**

**(Principles of Entrepreneurship, New Venture Development & Small Business Operations)**

**Semesters: 2 Credits: 6**

**Grade Level: 12**

**Prerequisites: Application**

**Weight: 4.5 DOE# 7154, 7148 & 7147**

**ENTR 100 Entrepreneurial Foundations**

**ENTR 200 Entrepreneurial Mindset & Awareness**

**ENTR 215 New Venture Development**

**College Credits: 16**

**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. Applications can be found at [www.moxieinthemaking.org](http://www.moxieinthemaking.org). Students gain entrepreneurial mindset and skills through applied learning experiences to help launch their ideas into the marketplace.

**INFORMATION**

**TECHNOLOGY**

**Information Technology**

**Operations Pathway:**

**Penn# 0615**  

**IT PRINCIPLES OF COMPUTING**

**(First level course for IT Operations Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Counts as 3rd science course**

**Weight: 4.5 DOE# 7183**

**Ivy Tech-INFM 109 Informatics**

**Fundamentals & ITSP 135**

**Hardware/Software Support**

**College Credits: 7**

**(Quantitative Reasoning Course)**

**Course Description:**

This course allows students to explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer,

install operating systems and software, and troubleshoot hardware and software problems.

**Penn# 1852**   
**INFORMATION TECHNOLOGY  
FUNDAMENTALS**

*(Second level course for IT  
Operations Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisites: IT Principles of  
Computing**

**Weight: 4.5 DOE# 7180**

**Ivy Tech-ITSP 132 - IT Support  
Essentials I**

**College Credits: 2**

**Course Description:**

IT 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. In addition, students will learn Linux, cyber security, and server skills.

**Penn# 0222**  
**NETWORKING &  
CYBERSECURITY OPERATIONS**

*(Third Level Course for IT  
Operations Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisites: IT Fundamentals  
Counts as 3rd science course**

**Weight: 4.0 DOE# 7181**

**Course Description:**

This course introduces the secure software development process including designing secure applications, writing secure code designed to withstand various types of attacks, and security testing and auditing. It focuses on the security

issues a developer faces, common security vulnerabilities and flaws, and security threats. The course explains security principles, strategies, coding techniques, and tools that can help make software fault tolerant and resistant to attacks.

**Penn# 0224**  
**IT SUPPORT CAPSTONE**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisites: Networking &  
Cybersecurity Operations**

**Weight: 4.0 DOE# 7245**

IT 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.

**Penn# 1823**  
**IT STUDENT ASSIST (WBL)**

**2 Semesters 2 Credits**

**Grade Level: 10-12**

**Prerequisites: Information  
Technology Fundamentals**

**Weight: 4.0 DOE# 5974**

**Course Description:**

IT 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.

**OTHER BUSINESS  
COURSES**

**Penn# 0235 OR 0236**  
**INTRODUCTION TO BUSINESS**


**Semesters: 1 Credits: 1**

**Grade Level: 9-12**

**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# 0269 OR 0270**   
**DIGITAL APPLICATIONS AND  
RESPONSIBILITY**

**Semesters: 1 Credits: 1**

**Grade Level: 9-12**

**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# 0207 OR 0208** † Q

**PERSONAL FINANCIAL RESPONSIBILITY**

**Semesters: 1 Credits: 1**

**Grade Level: 11-12**

**Weight: 4.5 DOE# 4540**

**Ivy Tech-BUSN 108 Personal Finance**

**College Credits: 3**

**(Quantitative Reasoning Course)**

**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 vehicles, banking, homes, budget, debt and investments.

**Penn# 0211 OR 0212**

**INTRODUCTION TO ENTREPRENEURSHIP**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 5967**

**Course Description:**

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**

**Weight: 4.0 DOE# 5968**

**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# 1850**

**OFFICE STUDENT INTERNSHIP (WBL)**

**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# 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# 5974 (6162)**

**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**

**(w/1341/1342 SH)**

**BUSINESS-RELATED WORK EXPERIENCE**

**Semesters: 2 Credits: 4**

**Grade Level: 11-12**

**Prerequisite: Application AND concurrent enrollment in 0225**

**Weight: 4.0 DOE# 5974 (6162)**

**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. **Students must provide their own transportation**

**Penn# 0265 OR 0266 Ψ**

**ACP PRINCIPLES OF BUSINESS MANAGEMENT**

**Semesters: 1 Credits: 1**

**Grade Level: 11-12**

**Prerequisite: Meet IU admission requirements**

**IU- BUS-B 190 Business**

**Administration: Introduction**

**College Credits: 3**

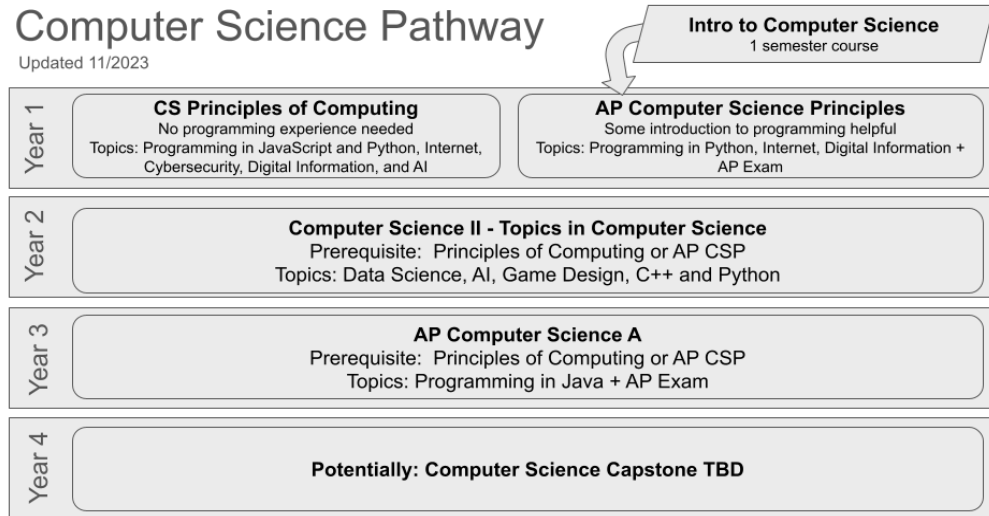
**Weight: 5.0 DOE# 4562**

**Course Description:**

ACP 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.

## Computer Science Pathway

Updated 11/2023



**Penn# 0203 OR 0204**

**INTRODUCTION TO COMPUTER SCIENCE (PLTW-CSE)**

**Semesters: 1 Credits: 1**

**Grade Level: 9-10**

**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.

## **COMPUTER SCIENCE**

### **Computer Science Pathway:**

**Penn# 0217**  

#### **CS PRINCIPLES OF COMPUTING (First Level Course for Computer Science Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Counts as 3rd science course**

**Weight: 4.5 DOE# 7183**

**Ivy Tech-SDEV 120 Computing Logic**

**College Credits: 3**


**(Quantitative Reasoning Course)**

#### **Course Description:**

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. This course is designed for students with no previous background in computer science. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Some sample topics include: operating systems, database technology, cybersecurity, and cloud implementations. Students will also have the

opportunity to utilize basic programming skills to develop scripts designed to solve problems using JavaScript and Python programming languages. Students will learn about algorithms, logic development and flowcharting.

**OR**

**Penn# 0261** 

#### **AP® COMPUTER SCIENCE PRINCIPLES**

**(First Level Course for Computer Science Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**


**Counts as 3rd science course**

**Weight: 5.0 DOE# 7183 (4568)**

**(Quantitative Reasoning Course)**

#### **Course Description:**

\*\*This course is suggested for students who have successfully passed Introduction to Computer Science OR have experience with personal programming projects. 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.

**Penn# 0219**  

#### **TOPICS IN COMPUTER SCIENCE (Second Level Course for Computer Science Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisites: CS Principles of Computing or AP Computer Science Principles**

**Counts as 3rd science course**

**Weight: 4.5 DOE# 7351**


#### **Ivy Tech-SDEV 140 Intro to Software Development**

**College Credits: 3**

**(Quantitative Reasoning Course)**

#### **Course Description:**

Topics in Computer Science is designed for students to investigate emerging disciplines within the field of computer science. Students will use foundational knowledge from Principles of Computing to study the areas of data science, artificial intelligence, app/game development, and security. Students will utilize knowledge related to these areas and programming skills to develop solutions to authentic problems. Students in this course will develop and expand their programming skills in the Python and C++ programming languages.

**Penn# 0221** 

#### **AP® COMPUTER SCIENCE A**

**(Third Level Course for Computer Science Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Topics in Computer Science**

**Counts as 3rd science course**

**Weight: 5.0 DOE# 7352**

**(Quantitative Reasoning Course)**

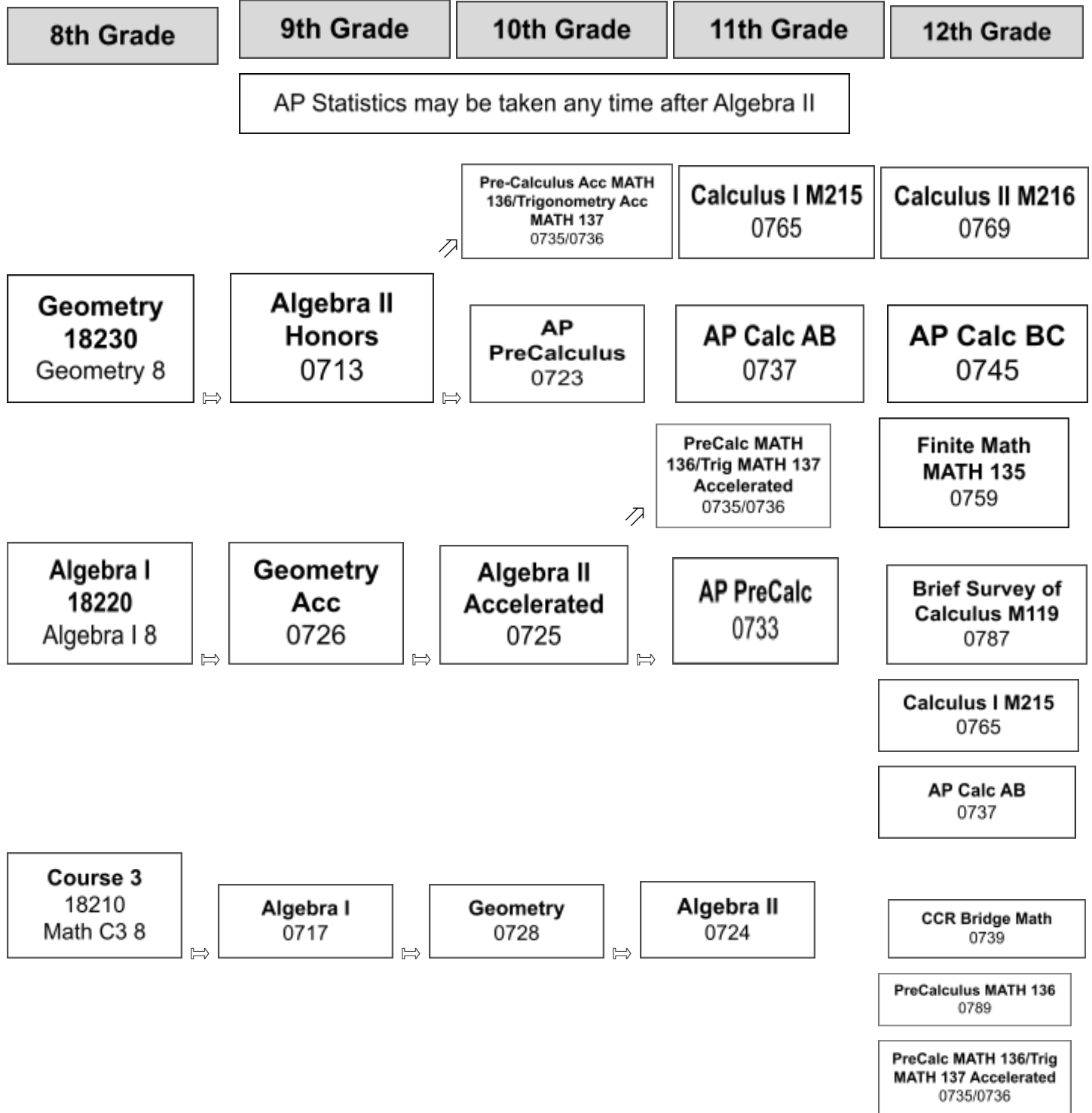
#### **Course Description:**

AP® Computer Science A introduces students to computer science through programming. Fundamental topics include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes

object-oriented programming and design using the Java programming language.

# MATH

## Typical PHM Math Sequence





# **MATHEMATICS**

**Penn# 0718**



## **ALGEBRA I**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**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: 10-12**

**Prerequisite: Algebra I (0717)**

**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# 0726**



## **GEOMETRY ACCELERATED 10**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Algebra I 8**

**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: Geometry (0728)**

**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# 0710**

## **ANALYTICAL ALGEBRA II**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Geometry**

**Weight: 4.0 DOE# 2524**

### **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. Analytical Algebra II should focus on the application of mathematics in various disciplines including business, finance, science, career and technical education, and social sciences. This course covers most of the traditional Algebra II

standards, but the focus is on the application of algebraic concepts rather than theoretical concepts. This course is for those students who may plan to go to college but not necessarily majoring in a heavy Math-related field.

\*Parents must sign a form for students to be enrolled in this course that will inform the parents that the enrollment in Analytical Algebra II might affect the student's acceptance into particular postsecondary programs or institutions.

**Penn# 0789**



## **PRE-CALCULUS**

**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**

**College Credits: 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.

**Penn# 0759**



**FINITE MATH**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**3 College Credits can be earned**

**Prerequisite: Algebra II and**

**Geometry or Pre-Calculus**

**Weight: 4.5 DOE# 2530**

**Ivy Tech-MATH 135 Finite Math**

**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.

**Penn# 0753**



**PRE-CALCULUS**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Prerequisite: Algebra II and Geometry**

**Weight: 4.5 DOE# 2564**

**Ivy Tech-MATH 136 - College**

**Algebra**

**College Credits: 3**

**Course Description:**

**Also register for 0732.** 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**



**TRIGONOMETRY**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Prerequisite: Algebra II and**

**Geometry**

**Weight: 4.5 DOE# 2566**

**Ivy Tech-MATH 137 Trigonometry**

**with Analytic Geo**

**College Credits: 3**

**Course Description:**

**Also register for 0753.** 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**



**PRE-CALCULUS ACCELERATED**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Prerequisite: Algebra II**

**Accelerated OR Honors**

**Weight: 4.5 DOE# 2564**

**Ivy Tech-MATH 136 College**

**Algebra**

**College Credits: 3**

**Course Description:**

**Also register for 0736.** 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**



**TRIGONOMETRY ACCELERATED**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**Prerequisite: Algebra II**

**Accelerated OR Honors**

**Weight: 4.5 DOE# 2566**

**Ivy Tech-MATH 137 Trigonometry**

**with Analytic Geo**

**College Credits: 3**

**Course Description:**

**Also register for 0735**

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**



**AP® PRE-CALCULUS**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Algebra II Honors**

**Weight: 5.0 DOE# 2563**

**Course Description:**

AP 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: Functions; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic Functions; Sequences and Series; and Conics. 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# 0787**   
**ACP BRIEF SURVEY OF CALCULUS**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Pre-Calculus AND meet IU admission requirements**

**Weight: 5.0 DOE# 2527**

**IU-MATH-M119 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. *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. There will be a fee from IU for digital learning tools, approx. \$80.

**Penn# 0765** 

**ACP CALCULUS I**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

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

**Weight: 5.0 DOE# 2527**

**IU-MATH M215 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. *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** 

**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 M216 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. *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 and Algebra**

**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**



**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 OR 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 (with 0778)**

**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# 0739**

**CCR BRIDGE: MATH**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: Algebra II or Analytical Algebra II or Integrated Mathematics III**

**Weight: 4.0 DOE# 2595**

**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**

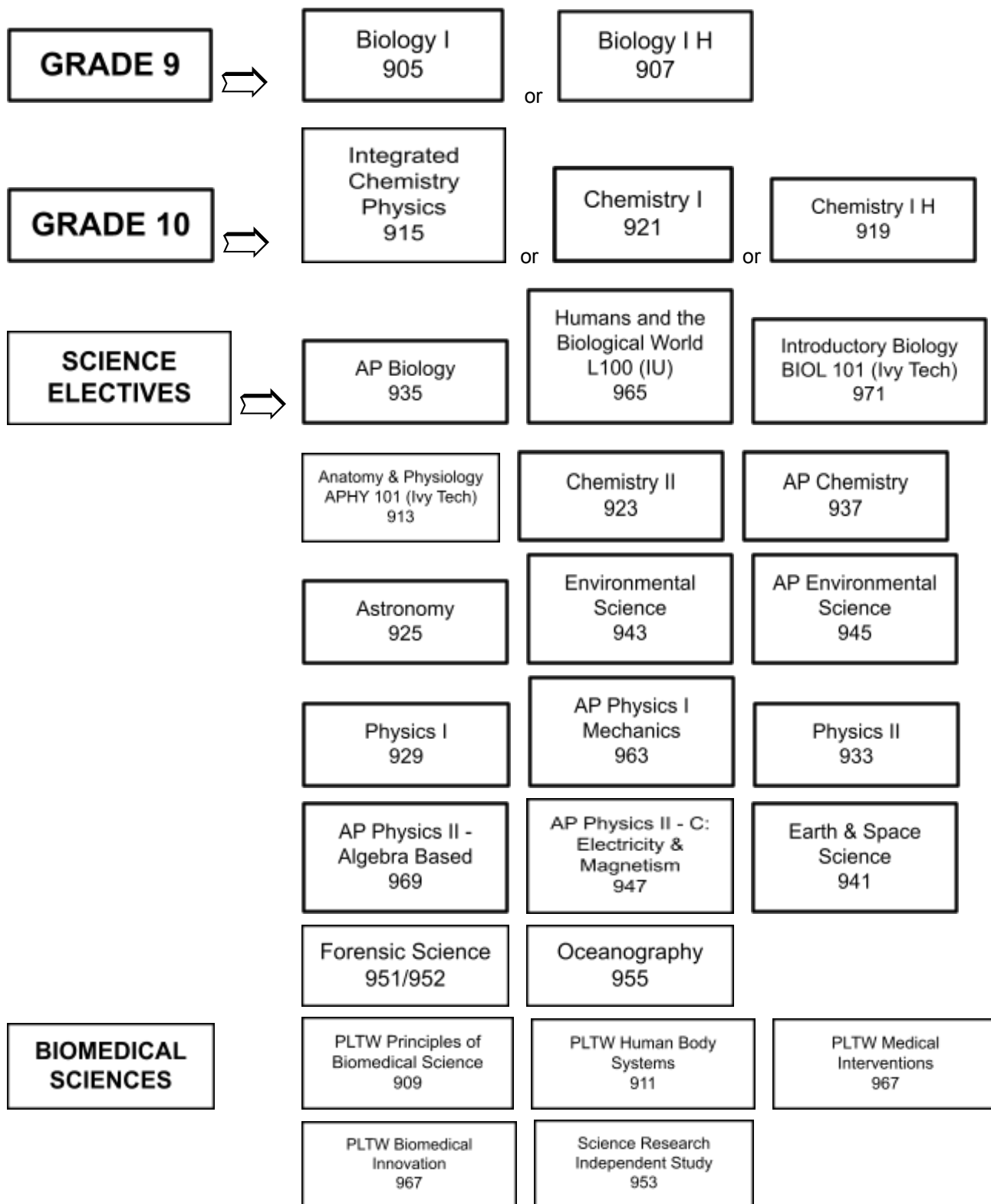
**Prerequisite: AP® Statistics**

**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



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

## 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**

**(Quantitative Reasoning Course)**

#### **Course Description:**

Advanced Placement® Biology is a 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 college-level laboratory work.

**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-L100 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# 0971**



### **INTRODUCTORY BIOLOGY**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisites: Passing score on the English and Math Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher.**

**Weight: 4.5 DOE# 3026**

**DOE- Biology II**

**Ivy Tech-BIOL 101 - Introductory Biology**

**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# 0913**



### **ANATOMY AND PHYSIOLOGY**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Biology I and Chemistry I**

**Weight: 4.5 DOE# 5276**

**Ivy Tech-APHY 101 Anatomy and Physiology I**

**College Credits: 3**

#### **Course Description:**

Course Description: The course is intended primarily for students interested in medical-related careers. Students will investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. The course introduces students to the cell, and covers tissues, integumentary, skeletal, muscular, and nervous systems as an integrated unit. Through extensive anatomy understanding, laboratory dissections, modeling and diagramming for understanding, and researching medical case studies, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields. All students must participate

in the laboratory dissections. 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 all diplomas.

**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**

**(Quantitative Reasoning Course)**

#### **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**

**(Quantitative Reasoning Course)**

#### **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**

**(Quantitative Reasoning Course)**

#### **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<sup>®</sup> 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 and Algebra II**

**Weight: 4.0 DOE# 3066**

**(Quantitative Reasoning Course)**



**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 and Pre-Calculus (or pre-Calc concurrently)****Weight: 5.0 DOE# 3060****(Quantitative Reasoning Course)****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: 11-12**  
**Prerequisites: Chemistry OR**  
**Earth/Space Science**  
**Weight: 5.0 DOE# 3012**  
**(Quantitative Reasoning Course)**  
**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: 10-12**  
**Weight: 4.0 DOE# 3084**  
**(Quantitative Reasoning Course)**  
**Course Description:**

Physics I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Physics topics. Disciplinary Core Ideas for this course include Forces and Interactions, Energy, Wave Properties, and Electromagnetic Radiation. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired. 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: Physics I AND**  
**Calculus I (or concurrent**  
**enrollment in Calculus I)**  
**Weight: 5.0 DOE# 3088**  
**(Quantitative Reasoning Course)**  
**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, Forces, Energy, Momentum, Rotational Motion, Oscillations, and Gravitation. 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: 11-12**

**Prerequisite: Physics I AND**

**Pre-Calculus (or concurrent enrollment in Pre-calculus)**

**Weight: 4.0 DOE# 3086**

**(Quantitative Reasoning Course)**

### **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# 0969**



## **AP® PHYSICS I: ALGEBRA BASED**

**2 Semesters 2 Credits**

**Grade Level: 10-12**

**Weight: 5.0 DOE# 3080**

**Prerequisites: Algebra II**

**(Quantitative Reasoning Course)**

### **Course Description:**

AP® Physics1 is a course based on the content established and copyrighted by the College Board. AP® Physics 1: Algebra based is equivalent to a first-semester college course in algebra-based physics. The course covers aspects of Mechanics such as kinematics, dynamics, gravitation, orbits, energy, momentum, harmonic motion, springs, and torque. The course will include several hands-on labs that explore these ideas through inquiry and scientific reasoning.

**Penn# 0947**



## **AP® PHYSICS II – C: ELECTRICITY & MAGNETISM**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisites: AP® Physics I OR**

**Physics I with concurrent**

**enrollment in Calculus**

**Weight: 5.0 DOE# 3088**

**(Quantitative Reasoning Course)**

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

**Penn# 0951 OR 0952**



### **FORENSIC SCIENCE**

**Semesters: 1 Credits: 1**

**Grade Level: 10-12**

**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: oceanic relevance and importance, geological features of the ocean, oceanic properties and characteristics, the relationship between the ocean and marine life, and the role of human impact on the ocean. Students will have opportunities to gain an understanding of the history of our oceans, research the unique oceanic life forms, and investigate problems related to personal needs, social issues, and global decisions that affect our planet. The goal of this class is for students to recognize the importance of the ocean for all life and the role humans play in its care and maintenance. Students will become equipped with the knowledge and skills to make educated decisions about our oceanic planet. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

**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: 4.5 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 findings. 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.

## **BIOMEDICAL SCIENCE**

### **Biomedical Science Pathway:**

**Penn# 0909**



### **PLTW PRINCIPLES OF BIOMEDICAL SCIENCES (PBS)**

**(First level course for Biomedical Science Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

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

**Counts as 3rd science course**

**Weight: 4.5 DOE# 5218**

#### **Course Description:**

Principles of 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. 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 if students obtain a satisfactory score on the EoC and a

satisfactory grade in the course. 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)**

*(Second level course for Biomedical Science Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: PBS**

**Counts as 3rd science course**

**Weight: 4.5 DOE# 5216**

**Course Description:**

The HBS course provides foundational knowledge and skills in anatomy and physiology, clinical medicine, and laboratory research. The course engages students in how this content can be applied to real-world situations, cases, and problems. This course is designed for 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> 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)**

*(Third level course for Biomedical Science Pathway- HBS prereq)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisites: HBS or Anatomy & Physiology**

**Counts as 3rd science course**

**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 10<sup>th</sup> - 12<sup>th</sup> 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)**

*(Capstone course for Biomedical Science Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 12**

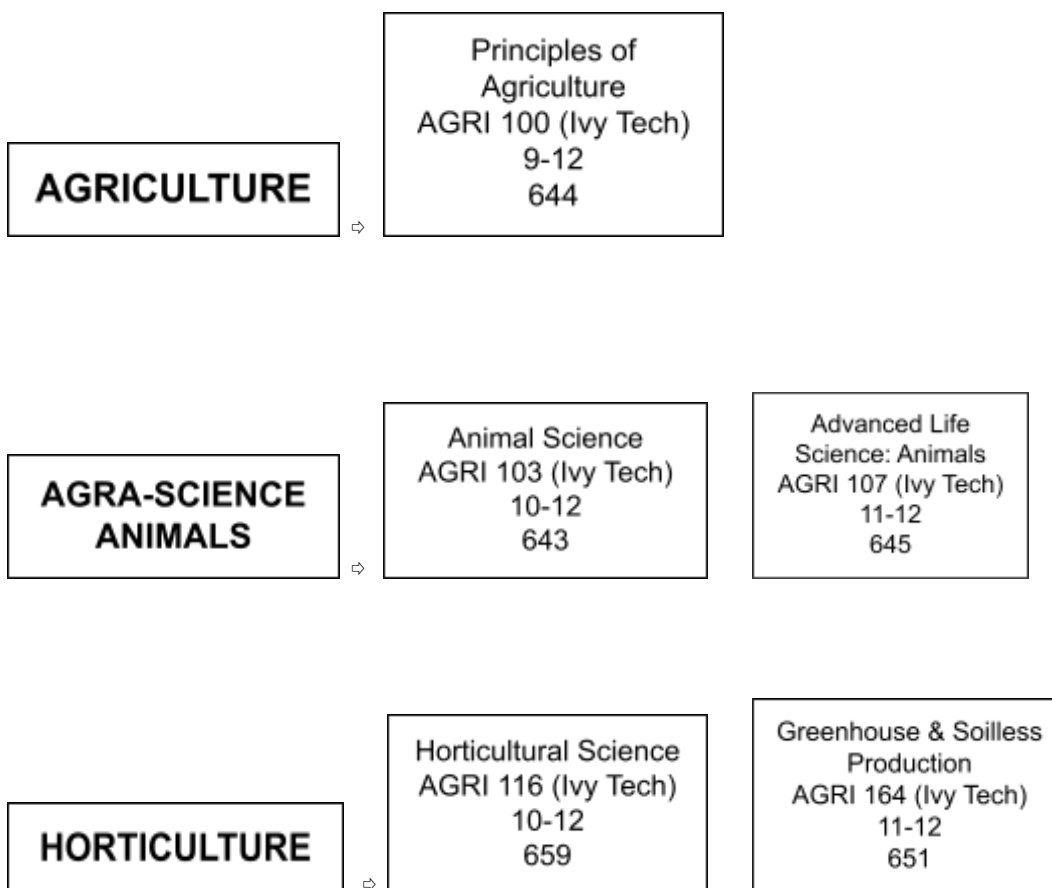
**Prerequisites: MI**

**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 21<sup>st</sup> 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.

# AGRICULTURE



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

## AGRICULTURE

**Penn# 0644**   
**PRINCIPLES OF AGRICULTURE**  
*(First Level Course for All Agriculture Pathways)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.5 DOE# 7117**

**Ivy Tech-AGRI 100 - Intro to Agriculture**


**College Credits: 3**

**Course Description:**

Principles of Agriculture is a two-semester course that will cover the diversity of the agricultural industry and agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore Agriculture, Food, and Natural Resource (AFNR) systems related to the production of food, fiber and fuel and the associated health, safety and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course in order to develop leadership and career ready skills.

### AGRI-SCIENCE ANIMALS

**Agri-Science Animals Pathway:**

**Penn# 0643**   
**ANIMAL SCIENCE**

*(Second Level Course for Agri-Science Animals Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Agriculture**

**Weight: 4.5 DOE# 5008**




**Ivy Tech-AGRI 103 Animal Science**

**College Credits: 3**

**Counts as 3rd science course**

**Course Description:**

Animal Science is a two-semester course that provides students with an overview of the animal agriculture industry. Students participate in a large variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study may be applied to both large and small animals. Topics to be covered in the course include: history and trends in animal agriculture, laws and practices relating to animal agriculture, comparative anatomy and physiology of animals, biosecurity threats and interventions relating to animal and human safety, nutrition, reproduction, careers, leadership, and supervised agricultural experiences relating to animal agriculture.

**Penn# 0645**     
**ADVANCED LIFE SCIENCES: ANIMALS**

*(Third Level Course for Agri-Science Animals Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Principles of Agriculture**

**Weight: 4.5 DOE# 5070**

**Counts as 3rd science course**

**Ivy Tech-AGRI 107 Advanced Animal Science**

**College Credits: 3**

**(Quantitative Reasoning Course)**

**Course Description:**

Advanced Life Science: Animals is a two-semester course that provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

## **HORTICULTURE**

### **Horticulture Pathway:**

**Penn# 0659**



### **HORTICULTURAL SCIENCE**

*(Second Level Course for Horticulture Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Agriculture**

**Weight: 4.5 DOE# 5132**

**Ivy Tech-AGRI 116 Survey of Horticulture**

**College Credits: 3**

#### **Course Description:**

Horticulture Science is a two semester course that provides students with a background in the field of horticulture. Coursework includes hands-on activities that encourage students to investigate areas of horticulture as it relates to the biology and technology involved in the production, processing, and marketing of

horticultural plants and products. Students are introduced to the following areas of horticulture science: reproduction and propagation of plants, plant growth, growth-media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest, greenhouse management, floral design, and pest management. Students participate in a variety of activities including extensive laboratory work usually in a school greenhouse.

**Penn# 0651**



### **GREENHOUSE & SOILLESS PRODUCTION**

*(Third Level Course for Horticulture Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Weight: 4.5 DOE# 7114**

**Ivy Tech-AGRI 164 Landscape**

**Design I**

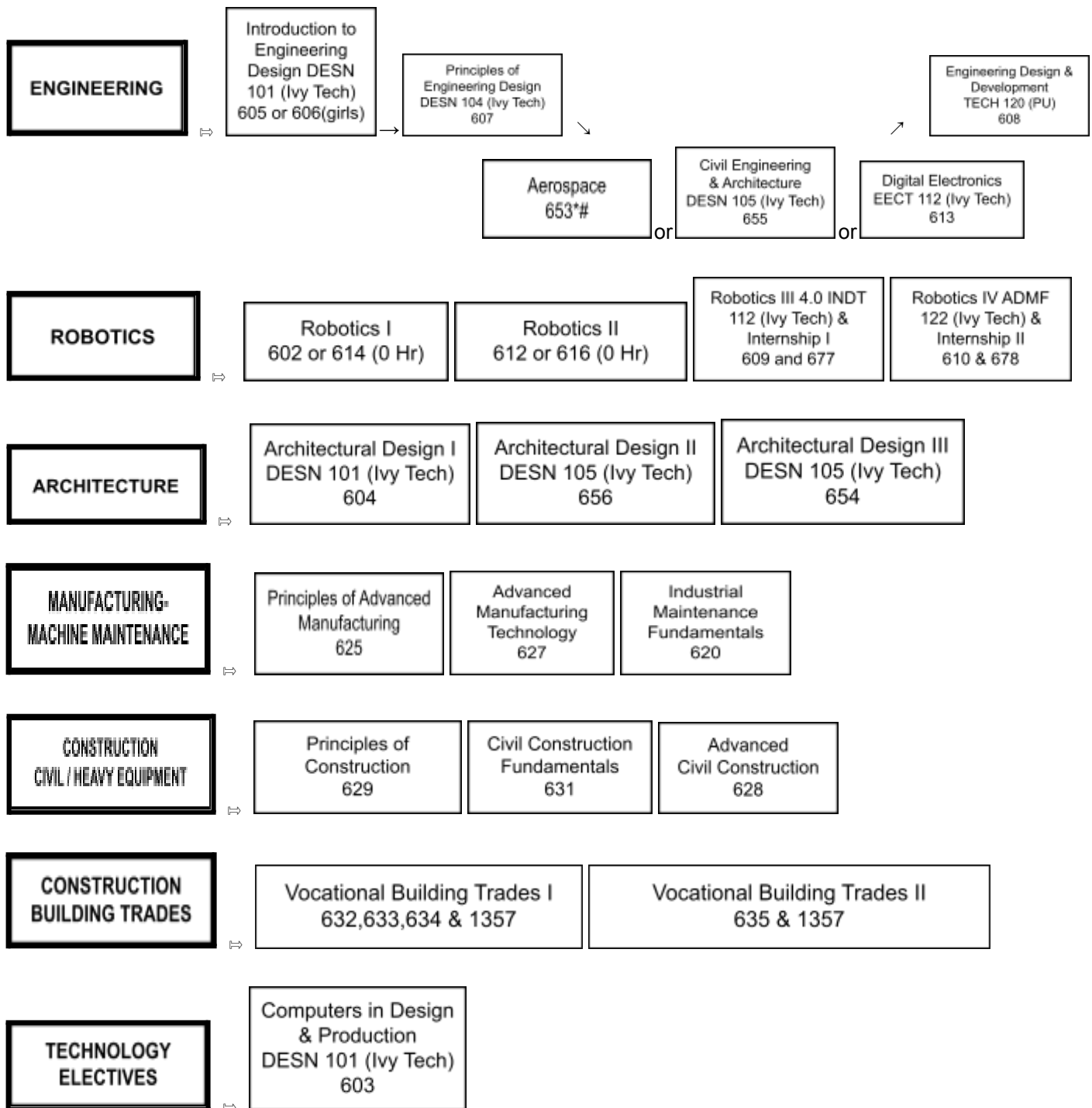
**College Credits: 3**

#### **Course Description:**

Greenhouse and Soilless Production is a two-semester course that provides an overview of structural designs and uses of enclosed structures (greenhouses) to grow various plants and food. The course will focus on discussing different types of enclosed structures, management systems, and growing systems used to produce plants and food. The course will also present an overview of soilless growing systems such as hydroponics, aquaponics, aeroponics and fogponics. Students will utilize the school greenhouse as part of this course.



# ENGINEERING & TECHNOLOGY



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


## ENGINEERING & TECH

### ENGINEERING

#### Engineering Pathway:

#### Project Lead the Way (PLTW)

PLTW (Project Lead the Way) helps students develop the skills needed to succeed in our global economy. PLTW courses are aligned with State Standards for Math and English Language Arts, Next Generation Science Standards, and other national and state standards. Courses and units are designed to complement math and science courses. Courses can meet requirements for the Core 40 Academic Honors Diploma and Technical Honors Diploma.

**Penn# 0605**   
**INTRODUCTION TO ENGINEERING DESIGN (IED)**  
*(First Level Course for Engineering Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 9-12**  
**Weight: 4.5 DOE# 4802**  
**Ivy Tech-DESN 101 Intro to Design Technology**  
**College Credits: 3**  
**Course Description:**



(IED) Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D

design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. At the end of the course students will have the opportunity to obtain a certification as a Certified User in Autodesk Fusion 360.

**Penn# 0606**   
**INTRODUCTION TO ENGINEERING DESIGN (IED)**  
*All Girls*  
*(First Level Course for Engineering Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 9-12**  
**Weight: 4.5 DOE# 4802**  
**Ivy Tech-DESN 101 Intro to Design Technology**  
**College Credits: 3**  
**Course Description:**

(IED) Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. At the end of the course


students will have the opportunity to obtain a certification as a Certified User in Autodesk Fusion 360.

**Penn# 0607**    
**PRINCIPLES OF ENGINEERING (POE)**  
*(Second Level Course for Engineering Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 10-12**  
**Prerequisite: Introduction to Engineering Design (IED)**  
**Counts as 3rd science course**  
**Weight: 4.5 DOE# 5644**  
**Ivy Tech-DESN 104 - Mechanical Graphics**  
**College Credits: 3**  
**(Quantitative Reasoning Course)**  
**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.

**Students select at least one of three options to complete the Engineering pathway.**


**Penn# 0653**   
**AEROSPACE ENGINEERING (AE)**  
*(Third Level Course for Engineering Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 10-12**  
**Pre/Corequisite: POE**  
**Counts as 3rd science course**  
**Weight: 4.5 DOE# 5518**  
**(Quantitative Reasoning Course)**  
**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**   
**CIVIL ENGINEERING AND ARCHITECTURE (CEA)**  
*(Third Level Course for Engineering Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 10-12**  
**Pre/Corequisite: POE**  
**Weight: 4.5 DOE# 5650**  
**Ivy Tech-DESN 105 - Architectural Design I**  
**College Credits: 3**  
**(Quantitative Reasoning Course)**  
**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**   
**DIGITAL ELECTRONICS (DE)**  
*(Third Level Course for Engineering Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 10-12**  
**Pre/Corequisite: POE**  
**Weight: 4.5 DOE# 5538**  
**Ivy Tech-EECT 112 - Digital Fundamentals**  
**College Credits: 3**  
**(Quantitative Reasoning Course)**  
**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**   
**ENGINEERING DESIGN & DEVELOPMENT (EDD)**  
*(Capstone Course for Engineering Pathway)*  
**Semesters: 2 Credits: 2**  
**Grade Level: 12**  
**Pre/Corequisite: Three PLTW Engineering courses**  
**Weight: 4.5 DOE# 5698**

**Purdue-TECH 12000 Design Thinking in Technology**

**College Credits: 3  
(Quantitative Reasoning Course)  
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**

**Industry 4.0 Pathway:**

**Penn# 0602** 

**ROBOTICS I**

**Principles of Industry 4.0**

*(First Level Course for Robotics Industry 4.0 Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**


**Weight: 4.0 DOE# 7220**

**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. Robotics I 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 Robotics I 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** 

**ROBOTICS II**

**Robotics Design & Innovation**

*(Second Level Course for Robotics Industry 4.0 Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Robotics I**

**Weight: 4.0 DOE# 4728**

**(Quantitative Reasoning Course)**

**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. Robotics II 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 Robotics II 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** 

**ROBOTICS III**

**Robotics Design & Innovation**

**INDT 112**

*(Third Level Course for Robotics Industry 4.0 Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Robotics II**

**Weight: 4.5 DOE# 4728**

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

**College Credits: 3**

**(Quantitative Reasoning Course)**

**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**  

#### **ROBOTICS IV**

**Robotics Design & Innovation  
ADMF 122**

**(Fourth Level Course for  
Robotics Industry 4.0 Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: Robotics III**

**Weight: 4.5 DOE# 4728**

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

**Ivy Tech- ADMF 122 Automation  
Mechatronics Electrical Systems  
College Credits: 3**

**(Quantitative Reasoning Course)  
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 Robotics IV as well as Penn FIRST Robotics Internship.**

**Penn# 0677**

#### **PENN FIRST ROBOTICS INTERNSHIP I (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Weight: 4.5 DOE# 5974**

**This course is weighted on a 4.5 scale if taken with Robotics III.**

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

**Penn# 0678**

#### **PENN FIRST ROBOTICS INTERNSHIP II (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Penn First  
Robotics Internship I**

**Weight: 4.5 DOE# 5974**

**This course is weighted on a 4.5 scale if taken with Robotics IV.**

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

### **ARCHITECTURE**

#### **Design Technology Pathway:**

**Penn# 0604** 

#### **ARCHITECTURAL DESIGN I Intro to Engineering Design**

**(First Level Course for  
Architecture- Design Technology  
Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.5    DOE# 4802**  
**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**  
**(Second Level Course for**  
**Architecture- Design Technology**  
**Pathway)**  
**Semesters: 2    Credits: 2**  
**Grade Level: 10-12**  
**Prerequisites: Architectural**  
**Design I**  
**Weight: 4.5    DOE# 7196**

**Ivy Tech-DESN 105 Architectural**  
**Design I**

**College Credit: 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**    
**ARCHITECTURAL DESIGN III**  
**BIM Architecture**  
**(Third Level Course for**  
**Architecture- Design Technology**  
**Pathway)**  
**Semesters: 2    Credits: 2**  
**Grade Level: 11-12**  
**Prerequisites: Architectural**  
**Design II**  
**Weight: 4.5    DOE# 7197**  
**Ivy Tech-DESN 105 Architectural**  
**Design I**  
**College Credit: 3**  
**(Quantitative Reasoning Course)**  
**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**

**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 design using code and 3D modeling while addressing various topics in Engineering, Architecture, Electronics and Robotics. Students will use the design process and documentation process while producing hands-on projects.

## **MANUFACTURING**

### **Industrial Technical Maintenance Pathway:**

**Penn# 0625**

#### **PRINCIPLES OF ADVANCED MANUFACTURING**

*(First Level Course for Industrial Technical Maintenance Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 DOE# 7108**

#### **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 TECHNOLOGY**

*(Second Level Course for Industrial Technical Maintenance Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Advanced Manufacturing**

**Weight: 4.0 DOE# 7103**

#### **Course Description:**

Advanced Manufacturing II is a more in-depth study of skills learned in Advanced Manufacturing I, with a stronger focus in CNC 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**

#### **INDUSTRIAL MAINTENANCE FUNDAMENTALS**

*(Third Level Course for Industrial Technical Maintenance Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Advanced Manufacturing Technology**

**Weight: 4.0 DOE# 7104**

#### **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.

## **CONSTRUCTION**

### **Civil Construction Pathway:**

**Penn# 0629**

#### **PRINCIPLES OF CONSTRUCTION**

*(First Level Course for Civil Construction Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 DOE# 7130**

#### **Course Description:**

Construction Trades I 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**

#### **CIVIL CONSTRUCTION FUNDAMENTALS**

*(Second Level Course for Civil Construction Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Prerequisite: Principles of Construction**

**Weight: 4.0 DOE# 7121**

#### **Course Description:**

Civil Construction Fundamentals is a specialized course that builds on the fundamentals acquired in the Principles of Construction class to further understand the technological processes used in the civil construction industry. Orientation to the trade, identification of equipment used in heavy highway construction, heavy highway construction safety, work-zone safety, soils, site work, excavation math, and interpreting civil drawings.

**Penn# 0628**

**ADVANCED CIVIL  
CONSTRUCTION**

**(Third level course for Civil  
Construction Pathway)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Civil Construction  
Fundamentals**

**Weight: 4.0 DOE# 7118**

**Course Description:**

Advanced Civil Construction builds upon the knowledge and skills learned in the fundamentals course. Its modules cover topics such as general construction, asphalt paving, rigging practices, crane safety and emergency procedures, basic principles of cranes, and crane communications.

**CONSTRUCTION-  
BUILDING TRADES**

**Construction Trades Pathway:**

**Penn# 0632, 0633 & 0634 (with  
1357)**

**BUILDING TRADES I**

**(BT Principles, BT Carpentry, BT  
Framing & Finishing)**

**(4 Blocks- 2 each day)**

**(First, Second, and Third Level  
Courses for Construction Trades  
Pathway)**

**Semesters: 2 Credits: 6**

**Grade Level: 11-12**

**Weight: 4.0 DOE# 7130, 7123  
& 7122**

**Course Description:**

Students will spend 1<sup>st</sup> and 2<sup>nd</sup> 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.

**Penn# 0635 (with 1357) 📍**

**BUILDING TRADES II**

**(BT Capstone)**

**(4 Blocks- 2 each day)**

**(Capstone for Construction  
Trades Pathway)**

**Semesters: 2 Credits: 6**

**Grade Level: 12**

**Prerequisite: Building Trades I**

**Weight: 4.0 DOE# 7242**

**(Quantitative Reasoning Course)**

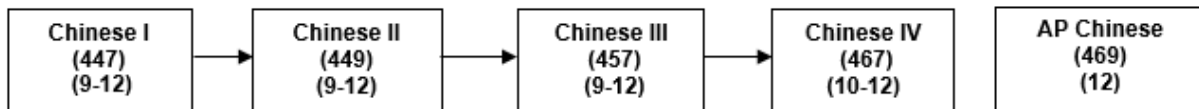
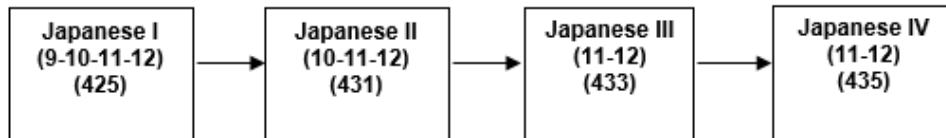
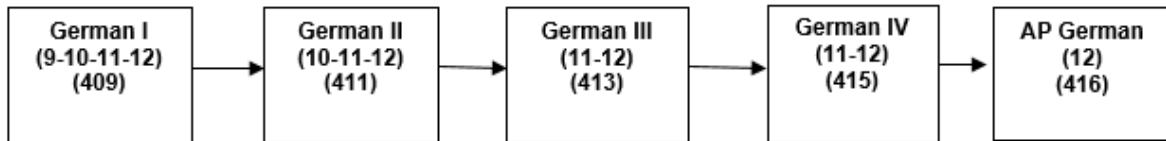
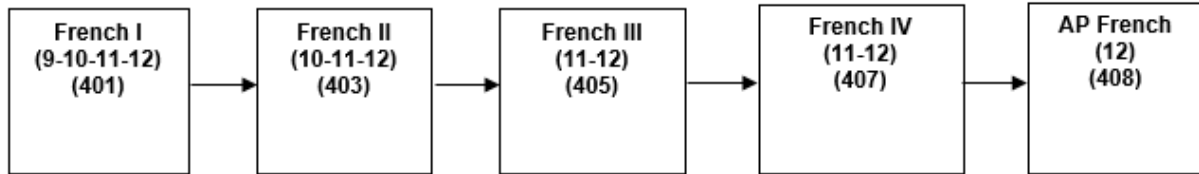
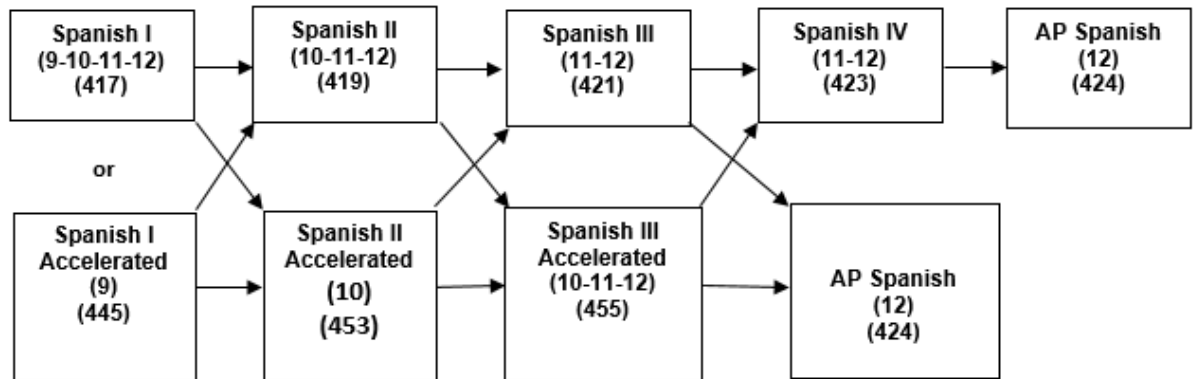
**Course Description:**

Students will spend 1<sup>st</sup> and 2<sup>nd</sup> 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. Students are responsible for their own

transportation to the construction site and back to school after class.



# WORLD LANGUAGES



**Electives:**  
(Not for World Language credit)

Sign Language Support Internship  
(482)  
(11-12)

GAPP  
475  
10-11

## 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**

**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

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# 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

**Penn# 0405**



**FRENCH III**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: French I and 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 I, II and III**

**Weight: 4.5 DOE# 2026**

**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. Students will need to take a National Exam for outside evaluation.

**Penn# 0408**



**AP® FRENCH**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: French I, II and 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**

**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 I and 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 I, II and III**

**Weight: 4.5 DOE# 2046**

**Course Description:**

Level IV German students will learn 20<sup>th</sup> Century German history and advanced grammar topics; students will read authentic works from the 19<sup>th</sup> & 20<sup>th</sup> 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. Students will need to take a National Exam for outside evaluation.

**Penn# 0416**



**AP® GERMAN**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: German I, II and 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 email 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**

**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 I, II and III**

**Weight: 4.5 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. Students will need to take a

National Exam for outside evaluation.

**Penn# 0427**

**JAPANESE V**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: Japanese I, II, III and IV**

**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**

**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**

**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.

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.

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 I and II**

**Weight: 4.5 DOE# 2124**

**SPAN 101 Spanish Level 1 &**

**SPAN 102 Spanish Level 2**

**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

**Penn# 0455**



**SPANISH III ACCELERATED**

**Semesters: 2 Credits: 2**

**Grade Level: 11**

**Prerequisite: Spanish I and II**

**Accelerated or teacher recommendation**

**Weight: 4.5 DOE# 2124**

**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 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

**Penn# 0423**



**SPANISH IV**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Spanish III**

**Weight: 4.5 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. Students will need to take a National Exam for outside evaluation.

**Penn # 0418**

**SPANISH FOR HERITAGE  
SPEAKERS I**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Weight: 4.0 DOE# 2190**

**Course Description:**

The purpose of heritage language learning is to increase proficiency for bilingual students in their native language. They can improve reading and writing skills, as well as grammar and vocabulary without having to sit through a basic language course.

**Penn# 0424**



**AP® SPANISH**

**Semesters: 2 Credits: 2**

**Grade Level: 12**

**Prerequisite: Spanish I, II and 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

**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: 9-12**

**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 I and 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 I, II and 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# 0481-0485**

### **AMERICAN SIGN LANGUAGE INTERNSHIP (WBL)**

**Semesters: 1 or 2 Credits: 1 or 2**

**Grade Level: 12**

**Prerequisite: American Sign Language I, II and III**

**Weight: 4.0 DOE# 5974**

#### **Course Description:**

This class is offered to ASL students that desire to continue in the profession as either a teacher of the Deaf, an interpreter or a speech pathologist. Student will be placed by the corporation Deaf H/H consult teacher. Placement will be made in coordination to the students availability and age of placement (Level of school k-12) and availability in and outside our corporation. Students will be placed through a screening and will be required to adhere to a contract of conduct.

**Penn# 0447**



### **CHINESE I**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**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 in 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**

**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 a 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 in 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 I and II**

**Weight: 4.0 DOE# 2004**

#### **Course Description:**

The two-semester course is a continuation of Chinese 2. While continuing to strengthen the skills of speaking, writing, listening, and reading with Mandarin Chinese, the course also continues 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 skills. 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 I, II and III**

**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 the 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 I, II and III**

**Weight: 5.0 DOE# 2014**

#### **Course Description:**

The Advanced Placement® Chinese Language & Culture course is a continuation of Chinese

3. The course objective is to further improve students' proficiency in listening, speaking, reading, and writing skills to be ready for the AP® Chinese exam held every May. Students enrolled in this course will also have the maximum exposure to Chinese cultural elements that are integrated in the process of learning the language. The primary goal of this course is to enable students to communicate through the exploration of topics reflecting multiple aspects of Chinese society and culture. Each unit of study comprises vocabulary, sentence patterns, text analysis, application of vocabulary and patterns, supplementary reading, and finally, writing assignments and tests. Students should be able to achieve the following objectives: Develop communicative competence in listening, speaking, reading, and writing skills, Understand the textbook lessons and supplementary materials and participate in discussions of the cultural aspects of the readings in Chinese. Use the knowledge gained through course materials to develop critical thinking and writing skills to compose essays in Chinese on given topics, Use the Chinese language to communicate effectively both in the school setting and in real-life situations, Use the Chinese language as they seek clarifications through the use of communication and language learning strategies that are running elements of the course, and carry on a conversation or a discussion with other students in class.

## WORK BASED LEARNING (WBL)

**Penn# 0680, 0681, 0682, 0683, 0684, 0685, 0686, 0687- 1 block**

**0674, 0675, 0679- 2 blocks  
WORK BASED LEARNING  
INTERNSHIP (WBL)**

**Semesters: 1 or 2**

**One Block: 1 credit per semester**

**Two Blocks: 2 credits per  
semester**

**Grade Level: 11-12**

**Prerequisite: One CTE Course**

**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# 1603**

**PEER LEADERS (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 9-12**

**Prerequisite: Application,  
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# 1611**

**PEER LEADERS- YAP (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Peer Leaders- 1603**

**Weight: 4.0 IDOE: 5974**

**Course Description:**

This course is designed to give high school students the opportunity to interact with people with disabilities and learn how to work with them. Students will provide 5 blocks over two weeks of in-class and/or community based instruction to students with moderate and severe disabilities in the Young Adult Program under the personal supervision and instruction of the YAP director.

**Penn# 0661 BBBS: 0662  
WITH 1851 OR 1865**

**KINGSMEN TUTOR INTERNSHIP  
(WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**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 the 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# 1869**  
**COMMUNICATION & PUBLIC RELATIONS INTERNSHIP I (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 4.0 DOE: 4790**

**Course Description:**

This internship – which is focused on promoting the events and people of Penn High School and the Penn-Harris-Madison School Corporation – is designed for students who wish to apply the practices of public relations (written and visual) in order to gain experience and build a portfolio. Students should already have a strong understanding of writing, journalistic and public relations principles, or students need to have strong graphic design/videography skills and a command of Adobe Photoshop, Adobe Illustrator, InDesign, and/or videography skills, including Adobe Premiere Pro. Students will implement media relations strategies such as crafting press releases, writing news/features articles, or producing graphic designs or videos to promote Penn/P-H-M events/people through social/traditional media.

**Penn# 1870**  
**COMMUNICATION & PUBLIC RELATIONS INTERNSHIP II (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Weight: 4.0 DOE: 5974**

**Course Description:**

This internship – which is focused on promoting the events and people of Penn High School and the Penn-Harris-Madison School Corporation – is designed for students who wish to apply the practices of public relations (written and visual) in order to gain experience and build a portfolio.

Students should already have a strong understanding of writing, journalistic and public relations principles, or students need to have strong graphic design/videography skills and a command of Adobe Photoshop, Adobe Illustrator, InDesign, and/or videography skills, including Adobe Premiere Pro. Students will implement media relations strategies such as crafting press releases, writing news/features articles, or producing graphic designs or videos to promote Penn/P-H-M events/people through social/traditional media.

**Penn# 1239-1246**  
**WORK EXPERIENCE (WBL)**

**Semesters: 2**

**Units: 1/block/semester**

**Grade Level: 11-12**

**Prerequisites: Must be recommended in the Individual Education Plan.**

**Weight: 4.0 IDOE: 5974**

**Course Description:**

These courses are designed to give students in exceptional education 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 employability/workforce readiness skills (communication, organization, teamwork, punctuality, critical thinking/problem solving, social cues, adaptability and work ethic). Placement is made on the recommendation of the case conference committee.

**Penn# 0161**  
**MASS MEDIA PRODUCTION**  
*(Third Level Course for Radio & TV Pathway)*

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Audio & Video**

**Production Essentials**

**Weight: 4.5 DOE# 7307 or 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](http://pnn.phmschools.org). This publications class lays the groundwork for further study in this field. More information can be found at [massmediastudies.net](http://massmediastudies.net).

**Penn# 1864 (1860 -0 credit)**  
**THEATER INTERNSHIP (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 10-12**

**Weight: 4.0 DOE# 5974**

**Course Description:**

This internship focuses on theater management, giving students hands-on experience maintaining and preparing both a proscenium stage theatre and a black box theatre. Students will learn how to

do basic maintenance with audio and visual cables, hang and focus lighting equipment, place and route sound on stage, troubleshoot control surfaces, build sets, and learn the inner workings of a theatre.

**Penn# 1850**

**OFFICE STUDENT INTERNSHIP (WBL)**

**Semesters: 1 or 2**

**Credit: 1 per semester**

**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# 0481-0485**

**AMERICAN SIGN LANGUAGE INTERNSHIP (WBL)**

**Semesters: 1 or 2 Credits: 1 or 2**

**Grade Level: 12**

**Prerequisite: American Sign Language III**

**Weight: 4.0 DOE# 5974**

**Course Description:**

This class is offered to ASL students that desire to continue in the profession as either a teacher of the Deaf, an interpreter or a speech pathologist. Students will be placed by the corporation Deaf H/H consult teacher. Placement will be made in coordination to the students availability and age of placement (Level of school k-12) and availability in and outside our corporation. Students will be placed through a screening and will be required to adhere to a contract of conduct.

**Penn# 0677**

**PENN FIRST ROBOTICS INTERNSHIP I (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Weight: 4.5 DOE# 5974**

**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 (WBL)**

**Semesters: 2 Credits: 2**

**Grade Level: 11-12**

**Prerequisite: Penn First Robotics Internship I**

**Weight: 4.5 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.**

# PENN HIGH SCHOOL 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 Chemistry (Honors)	Science	Science
Geography & History of the World (AP World History)	Health ----- Elective	US History (AP/ACP/Ivy Tech)	US Gov / Econ (AP/ACP/Ivy Tech)
Physical Education	Achievement Academy/Pathway Elective	Achievement Academy/Pathway Elective	Achievement Academy/Pathway Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Study Hall & Career Info & Exploration	Sophomore Connections	WBL/CBDC/Junior Connections	WBL/CBDC/Senior Connections

## POST SECONDARY

	Vocational Training Apprenticeship	Two Year College	Four Year College
Schools of Interest			
Area of Interest			

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

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## KINGSMAN SHIELD

It is the **responsibility** of every member of the Penn student body to develop the quality of **character**, and to exercise the kind of **discipline** that will bring honor to him or her, and to Penn High School. It is the **responsibility** of every teacher, counselor, resource officer, staff member, and administrator to assist in that development.

When problems of a personal nature or academic nature arise, it is essential the student involved seek out an adult in the building to help in the **resolution** of the problem. It is also essential that every adult in the building offer direction or immediate assistance toward that **resolution**.

**Communication** is the key to building a proud Penn High School tradition centered on Trust and Respect for one another.

