2022-2023

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

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Penn High School

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Ms. Janiece FitzGerald	(Sl-Z 10-12) Counselor
Mrs. Stacy Eck	10-12 Early College Counselor
Mrs. Megan Bidigare	Social Services Counselor

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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. 20481
Freshman Academy..... (574) 258-9500 EXT. 20876

Penn-Harris-Madison School Corporation
Mission, Vision, and Beliefs

Mission

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

Vision

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

Values

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

Goals

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

Penn-Harris-Madison School Corporation

Profile of a Graduate

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

Be an effective communicator who:

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

Be a thoughtful problem-solver who:

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

Be an effective contributor and collaborative team member who:

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

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

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

Be a responsible citizen who:

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

Be a healthy individual who:

- Pursues a variety of healthy interests and maintains balance among them.

- Demonstrates a commitment to physical and emotional well-being.
- Exhibits self-regulating behavior.
- Confidently pursues his/her full potential.
- Expresses emotion constructively.
- Adapts to life changes.
- Exercises both body and mind.

Be a contemporary learner who:

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

Penn High School Mission Statement

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

ACADEMIC PLANNING

Planning Your Schedule

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

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

Schedule Change Policy

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

Criteria for schedule changes:

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

Criteria for schedule changes after the start of school:

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

Penn High School Graduation Requirements

High School Courses Taken In Middle School

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

Graduation Requirements

Indiana Core 40 Expectations

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

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

Core 40 with Academic Honors Diploma

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

- Students must be fully eligible at the end of the 7th semester in order to wear the academic honors hood at senior recognition night and commencement.
- In the area of world language, students must take three years of one language or two years of one language and two years of another language.
- Students who earn less than a C in a required class may retake that class with a Penn teacher or online (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.

Core 40 with Technical Honors Diploma

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

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

General Diploma

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

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

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

Indiana General High School Diploma	
Course and Credit Requirements	
English/Language Arts	**8 credits**
	English 9, English 10, English 11, English 12

Mathematics	**4 credits**
	2 credits: Algebra I **2 credits: any math course** **(2 math or quantitative reasoning credits must be taken in 11th or 12th grade)**
Science	**4 credits**
	2 credits: Biology I **2 credits: any science course** **(at least 1 credit must be from a physical science or earth and space science course)**
Social Studies	**4 credits**
	2 credits: U.S. History **1 credit: U.S. Government** **1 credit: any social studies course**
Physical Education	**2 credits**
Health and Wellness	**1 credit**
College and Career Pathway Courses*	**6 credits**
Flex Credit	**5 credits**
	To earn 5 Flex Credits a student must complete one of the following: ● Additional elective courses in a College and Career Pathway ● Courses involving work based learning, which may include the following courses: ○ Work Based Learning Internship ○ Work Experience ○ Custodial Internship ○ Peer Leaders ○ Professional career internship ○ Office Internship ○ Marketing, Theatre,Communication, Graphics, or TV Internships ● High school/college dual credit courses ● Additional courses in: ○ Language Arts ○ Social Studies ○ Mathematics ○ Science ○ World Languages ○ Fine Arts
Electives**	**6 credits**
	40 Total State Credits Required

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

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

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

(updated 6/15/06)

CORE 40

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

40 Total State Credits Required

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

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

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

For the Core 40 with Academic Honors diploma, students must:

· Complete all requirements for Core 40.
· Earn 2 additional Core 40 math credits.
· Earn 6-8 Core 40 world language credits.
(6 credits in one language or 4 credits each in two languages).
· Earn 2 Core 40 fine arts credits.
· Earn a grade of a "C" or better in courses that will count toward the diploma.
· Have a grade point average of a "B" or better.
· Complete one of the following:

A. Earn 4 credits in 2 or more AP® courses and take corresponding AP® exams
B. Earn 6 verifiable transcripted college credits in dual credit courses form the approved dual credit list
C. Earn 2 of the following:
1. A minimum of 3 verifiable transcripted college credits from the approved dual credit list.
2. 2 credits in AP® courses and corresponding AP® exams.
3. 2 credits in IB standard level courses and corresponding IB exams.

D. Earn a composite score of 1250 or higher on the SAT and a minimum score of 560 on math and 590 on the evidence based reading and writing section. **
E. Earn an ACT composite score of 26 or higher and complete written section
F. Earn 4 credits in IB courses and take corresponding IB exams.

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

For the Core 40 with Technical Honors diploma, students must:

· Complete all requirements for Core 40.
· Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
1. Pathway designated industry based certification or credential, or
2. Pathway dual credits from the approved dual credit list resulting in 6 transcripted college credits
· Earn a grade of "C" or better in courses that will count toward the diploma.
· Have a grade point average of a "B" or better.
· Complete one of the following:

A. Any one of the options (A-F) of the Core 40 with Academic Honors
B. Earn the following scores or higher on WorkKeys; Reading for Information - Level 6, Applied Mathematics - Level 6, and Locating Information - Level 5.

C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.

Graduation Requirements Beginning With The Class Of 2023

The 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.

Beginning with the graduating class of 2023, students must satisfy at least one option from each of the three boxes listed in the table below in order to graduate.

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.

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

Requirements	Graduation Pathway Options
1) High School Diploma (Students must complete the course requiren one of the following diplomas.)	● Core 40 designation; ● Academic Honors designation; ● Technical Honors designation; ● General Diploma
2) Learn and Demonstrate Employability Skills (Students must complete *at least one* of the following employability experiences.	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one the following: ● **Project-Based Learning Experience**; OR ● **Service-Based Learning Experience**; OR ● **Work-Based Learning Experience.**

3) Postsecondary-Ready Competencies (Students must complete *at least one* of the following.)	● **Honors Designation**: Fulfill all requirements of either the Acad Technical Honors designation; OR ● **ACT:** Minimum score of 18 in English, 22 in Math and 23 in Science; ● **SAT**: Minimum score of 480 in English and 530 in Math; OR ● **ASVAB**: Earn at least the minimum AFQT score of 31 to qualify for pla into one of the branches of the US military; OR ● **State- and Industry-recognized Credential or Certification;** OR ● **Federally-recognized Apprenticeship**; OR ● **Career-Technical Education Concentrator:** Must earn a C average or higher in at least two/three advanced courses in a career pathway (class of '23-'24 = 2 courses, class of '25-'26 = 3 courses); OR ● **AP®/IB/Dual Credit/ Exams:** Must earn a C average or higher in three courses.

Smaller Learning Communities (SLCs)

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

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

Freshman Academy

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

Achievement Academies

After the freshman year, students choose one of four achievement academies, the Health and Human Services Academy, Fine Arts and Communications Academy, Science, Technology, Engineering and Math (STEM) Academy or the

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

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

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

Selection of an academy will not limit the courses a student may take. Students in each academy will be supported by a group of teachers in that academy, as well as community partners, to create an individualized learning plan that helps each student with his/her post-secondary goals.
Students will be required to take a minimum of one elective within an academy per semester, beginning their sophomore year. Most students will select additional courses within their chosen academy to individualize their education to specific pathways related to post-secondary plans. Students will be encouraged to seek Capstone Courses and Work-Based Learning experiences, which include Registered Apprenticeship, Cooperative Education, Internship, School Based Enterprise, or Service Learning.

Early College Academy

The Penn Academy for Early College is a program designed to offer students a unique opportunity to begin working toward college requirements while simultaneously fulfilling graduation courses at Penn High School. Penn High School is partnered with Ivy Tech Community College to offer a selection of courses, including dual credit courses, that can potentially earn a student college credits up to an Associate's Degree by the time the student graduates from Penn High School. The 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 4 credits on a related pathway have the opportunity to participate in Work-Based Learning (WBL). These experiences can include both inside and outside of the building components. Examples of WBL are:

- Registered Apprenticeship

- Professional Work Based-Management & Business
- Internship
- School-Based Enterprise
- Service Learning

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

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

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

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.

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

Weighted Grades

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

AP® and ACP classes will be weighted as follows:

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

The following courses will be weighted on a 5.0 scale for the 2021-22 academic year:

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

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

Dual-credit classes and certain designated classes will be weighted on a 4.5 scale.
The following courses will be weighted on a 4.5 scale for the 2021-22 academic year:

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

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

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

Incompletes Due to Excessive Absences

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

Withdrawing from a Course

Any course withdrawals after the fourth full week 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.

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

NCAA approved courses are signified with NCAA

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

Penn High School CEEB Code: 152347

Fees

Most student fees are course-specific and vary depending on the amount of consumable supplemental supplies needed to support mastery of learning objectives. Those fees are listed in the fee document online. This can be found on the **Penn High School website** under counseling beginning in March for the coming school year. In addition, all students are charged a digital fee of $22.50 to cover digital learning resources.

COUNSELING SERVICES

Web Address: **http://penn.phmschools.org/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.

Your Counselors

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

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

SAT® and ACT

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

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

sent to the Eligibility Center. The Eligibility Center will no longer accept scores from the high school. For more information, go to the section on NCAA.

· In order to be formally recruited or to make an official campus visit a college must have your SAT® or ACT results and a high school transcript.

College Application Procedures

Penn High School 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 and SAT scores can be requested online at 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 between a 3.5 and 3.75 grade point average with no grade below C are eligible for the High Honor Roll.

Academic Excellence

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

Academic Letter

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

National Honor Society

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

Graduation with High Honors

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

Latin Honors System

Penn High School will transition to a Latin Honors System beginning with the graduating class of 2020. 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.

Latin Designation	GPA Minimum	Required Diploma Type	Definition
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

Recognition	Who	2021	2022	2023
Latin Honors Designation in Commencement Program	All Laude	x	x	x
Graduation Recognition	All Laude	x	x	x
Graduation Speakers	Valedictorians	x	x	x
Transcript	All Laude	x	x	x
Remove Rank from transcript and report card	All Students			x

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 (Room 115) 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), FastWeb (fastweb.com) and FinAid (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. In order to earn college credit, a student must attain a specific score on a national standardized examination, and attend one of the many colleges and universities who recognize students' participation in the College Board's Advanced Placement® Program. By selecting an AP® class during spring scheduling a student is making a firm commitment to complete this course the following school year.
Students enrolled in an AP® course are required to take the related national Advanced Placement® examination in the spring.
The estimated fees for Advanced Placement® exams are in the fee document online. These are determined and set each year by The College Board® and are subject to change after this printing.

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

AP® Art History	AP® Biology

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

Advance College Project (ACP)

High School-based courses offered for dual credit through Indiana University. These courses are noted in the course descriptions using the Ψ symbol.
ACP Biology
ACP Brief Survey of Calculus
ACP Cadet Teaching Experience
ACP Calculus I
ACP Calculus II
ACP Composition & Literature
ACP Political Science
ACP Principles of Business Management
ACP US History
ACP Microeconomics
ACP Macroeconomics

Dual Credit Courses

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

Project Lead the Way Classes

Project Lead the Way (PLTW) classes will fulfill requirements for the Academic and Technical Honors Diplomas. Most classes listed below will meet the dual high school/college course credit requirement. The classes listed below also meet the requirements for the Directed Electives. All PLTW classes are based on national standards for math, science, communications and technology. Additional information can be found on the Project Lead the Way website PLTW.org.

Engineering:
- Introduction to Engineering Design (9-12)
- Principles of Engineering (10-12)
- Digital Electronics (10-12)

· Civil Engineering & Architecture (10-12)
· Aerospace Engineering (11-12)
· Engineering Design & Development (12)

Biomedical Science:

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

Computer Science:

· Introduction to Computer Science (9-12)
· AP® Computer Science Principles (11-12)
· 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.
· Be aware of equipment, supplies and uniforms, which might be required for the course for which they are applying. Financial assistance is available.
· Make sure that their schedule for class in the upcoming school year includes the Elkhart Area Career Center.

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

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

Elkhart Area Career Center Program Clusters

Go to www.myeacc.org for detailed information. Course numbers listed are *AM/PM* classes. 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. Fundamentals
  DOE 7106- Mechatronics Systems
- **Automation & Robotics II- 1593/1594**
  DOE 7224- Indust. Automation & Robotics Capstone
- **Indust. Tech. Maintenance- Mech. I- 1483/1484**
  DOE 7108- Principles of Adv. Manufacturing
  DOE7103- Adv. Manufac. Fundamentals
  DOE 7104- Industrial Maint. Fundamentals
- **Indust. Tech. Maintenance- Mech. II- 1583/1584**
  DOE 7261- Industrial Maintenance Capstone
- **Precision Machining I- 1407/1408**
  DOE 7109- Principles of Precision Machining
  DOE 7105- Precision Machining Fundamentals
  DOE 7107- Advanced Precision Machining
- **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

- **Precision Agriculture I- 1403/1404**
  DOE 7117 Principles of Agricultural
  DOE 7116- Precision Agriculture
  DOE 7113- Crop Management
- **Precision Agriculture II- 1503/1504**
  DOE 7236- Precision Agriculture Capstone
- **Veterinary Science I- 1443/1444**
  DOE 7280- Principles of Veterinary Science
  DOE 7281- Veterinary Science
  DOE 5070- Advanced LIfe Science, Animals
- **Veterinary Science II- 1543/1544**
  DOE 7282- Veterinary Science Capstone
- **Supervised Agriculture Experience- 1472/1473**
  DOE 5228- SAE

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

- **Digital Design Commercial Photo I- 1405/1406**
  DOE 7140- Principles of Digital Design
  DOE 7141- Digital Design Graphics
  DOE 7136- Professional Photo & Videography
- **Digital Design Commercial Photo II- 1505/1506**
  DOE 7246- Digital Design Capstone
- **Digital Design Graphic Design I- 1413/1414**
  DOE 7140- Principles of Digital Design
  DOE 7141- Digital Design Graphics
  DOE 5550- Graphic Design & Layout
- **Digital Design Graphic 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 I- 1431/1432**
  DOE 7160 Principles of Early Childhood
  DOE 7158- Early Childhood Curriculum
  DOE 7159- Early Childhood Guidance
- **Early Childhood II- 1531/1532**
  DOE 7259- Early Childhood Capstone
- **Education Careers I- 1476-1477**
  DOE 7161 Principles of Teaching
  DOE 7157 Child & Adolescent Development
  DOE 7162 Teaching & Learning
- **Education Careers II- 1576/1577**
  DOE 7267 Education Professions Capstone

Health Sciences

- **Dental Careers I- 1470/1471**
  DOE 7315- Principles of Dental Careers
  DOE 7316- Dental Careers Fundamentals
  DOE 7317- Advanced Dental Careers
- **Dental Careers II- 1570/1571**
  DOE 7318- Dental Careers Capstone
- **Emergency Medical Services I- 1488/1489**
  DOE 7168- Principles of Healthcare
  DOE 7156- Technical Skills
  DOE 5274- Medical Terminology
- **Emergency Medical Services II- 1588/1589**
  DOE 7165 Emergency Medical Tech
  DOE 7255 Healthcare Specialist Capstone
- **Medical Assistant I- 1411/1412**
  DOE 7168- Principles of Healthcare
  DOE 5274- Medical Terminology
  DOE 7164- Certified Clinical Med. Asst.
- **Medical Assistant II- 1511/1512**
  DOE 7255- Healthcare Specialist Capstone
- **Exercise Science I- 1474/1475**
  DOE 7320- Principles of Exercise Science
  DOE 7321- Kinesiology
  DOE 7322- Human Performance
- **Exercise Science II- 1574/1575**
  DOE 7323- Physical Therapy Capstone
- **Central Service Tech/Surgical Tech I- 1427/1428**
  DOE 7168- Principles of Healthcare
  DOE 5274- Medical Terminology
  DOE 7163- Central Service Tech Fundamentals
- **Central Service Tech/Surgical Tech II- 1527/1528**
  DOE 7257- Central Service Tech Capstone

Hospitality & Tourism

- **Culinary Arts I- 1415/1416**

DOE 7173- Principles of Culinary & Hospitality
DOE 7171- Nutrition
DOE 7169- Culinary Arts

- **Culinary Arts II- 1515/1516**
  DOE 7233- Culinary Capstone

Human Services

- **Cosmetology I- 1401/1402**
  DOE 7330- Principles of Barbering & Cosmetology
  DOE 7331- Barbering & Cosmetology Fundamentals
  DOE 7332- Advanced Cosmetology
- **Cosmetology II- 1501/1502**
  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

STEM

- **Design Technology I- 1439/1440**
  DOE 4802- Intro To Engineering Design
  DOE 7196- Mech. & Arch. Design
  DOE 7202- Manufac. Principles & Design
- **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
- **Recreation & Mobile Equipment I- 1423/1424**
  DOE 5842- Recreational & Mobile Equipment I
- **Recreation & Mobile Equipment II- 1523/1524**
  DOE 5844- Recreational & Mobile Equipment

ADVANCED CAREER TECHNICAL EDUCATION (CTE) PROGRAM

Penn# 0672/0673

A College Based Dual Credit Program:

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

Juniors and Seniors
(All Listed Courses are Tuition Free for Penn Students)
These courses are weighted on a 4.5 scale if a "C" or better is earned.

Academic & Technical Honors Diploma: All classes from Bethel, IUSB, Ivy Tech Community College, Purdue Polytechnic Institute and Southwestern Michigan College may be applied to the requirements for these Honors Diplomas.

CORE 40: All classes listed may be applied as Directed Electives for the CORE 40 Diploma.

Students may take dual credit classes at Bethel, IUSB, Ivy Tech, Purdue Polytechnic or Southwestern Michigan. The classes listed below are a sampling of those courses that are offered. Students must work with Mrs. Ball and the Post Secondary Institute for scheduling, requirements, and expectations. Please feel free to contact Mrs. Ball at mball@phm.k12.in.us with any questions you may have.

Business Administration

____Introduction to Business
____Business Law
____Business Communication
____Principles of Management
____Principles of Marketing
____Financial Accounting
____Managerial Accounting
____Income Tax
____Payroll Accounting
____*Intro to Microcomputers
____Information Systems Fundamentals
____Logic, Design, Programming
____Web Site Development
____Microcomputer Operating Systems
____Network Fundamentals
____*Introduction to Computing
____ Introduction to Programming

Information Technology Management

Various classes

Communication

____Intro to Public Relations
____Intro to Interpersonal Communications
____*Intro to Mass Communications
____Introduction to Advertising

School of Public & Social Services

____*Intro to Criminal Justice Systems
____Introduction to Criminology
____Introduction to Law Enforcement
____Sanitation and First Aid
____Basic Food Theory and Skills
____Youth and Family Treatment
____*Introduction to Interpersonal Communication

Early Child Education

____Intro to Early Childhood Education
____Nutrition, Health and Safety for Early Childhood
____Understanding Special Needs Children
____Curriculum in Early Childhood Classroom

School of Fine Arts and Design

____Basic Photography
____Three-Dimensional Design
____Design Theory
____Drafting and Construction

____Introduction to Interior Design
____Fundamentals of Design
____Fundamentals of Imaging
____Video and Sound
____Intro to Computer Graphics
____Production in Editing

School of Health Sciences

____Health, Safety & Nutrition
____*Medical Terminology
____Dementia Care
____CNA (Certified Nursing Assistant-Seniors only)
____Medical Law & Ethics
____Introduction to Health Careers
____*First Aid & Emergency Care
____*Nutrition for Health

School of Liberal Arts & Sciences

____Survey of Biotechnology
____Fundamentals of Nanotechnology

School of Technology Automotive

____Steering and Suspension
____Two and Four Wheel Alignment
____Powertrain Service
____Engine Principles and Design
____Engine Performance I
____Electrical and Electronics I
____Braking Systems
____Electrical and Electronics II
____Manual Drivetrains
____Engine Repair
____Automatic Transmission
____Engine Performance II
____Engine Performance III
____Driveability Diagnosis

Design Technology

____Technical Graphics
____CAD Fundamentals
____Mechanical Graphics
____Architectural Design I
____Descriptive Geometry
____Construction Materials and Specifications

Electronics and Computer Technology

____Intro to Electronics and Projects
____Digital Fundamentals
____Networking
____Computer Troubleshooting
____Computer Troubleshooting II
____Introduction to Robotics
____Programmable Controllers I
____Programmable Controllers II

Industrial Electrician

____Computer Fundamentals for Technology
____Intro to National Electrical Code
____Electrical Wiring Fundamentals/ NEC Code
____Motors and Motor Controls
____Basic Electricity
____Electrical Circuits

Heating and Air Conditioning

____Heating Fundamentals
____Refrigeration
____Duct Fabrication & Installation
____Heat Pump Systems
____Heating Service
____Refrigeration II
____Basic Electricity
____Basic Shop Mechanics

____Special Topics-Residential

Wiring

Engineering Technology

____Technical Graphics Communication
____Human Behavior in Organizations
____Materials & Processes I
____Materials & Processes II
____Electricity Fundamentals
____Introduction to Object-Oriented Programming
____Introduction to Constraint Based Molding
____Information Technical Architecture

Electrical Engineering Technology

____Gateway to Elect. Engr. Tech.
____Technology and the Individual

Industrial Technology

____Industrial Organizations
____Industrial Supply Chain
Management

Organizational Leadership and Supervision

____Human Behavior in Organizations
____Applied Leadership
____Leadership Principles
____Computer Aided Drafting & Design Academy
____Mechatronics Technology
____Electronics Career Academy
____Precision Production Technology
____Emergency Med Services Academy
____Fire Science or EMS-Paramedic.

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

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

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

***Refers to the Indiana Core Transfer Library (CTL)**
A full explanation of the CTL is available at www.transferIN.net/ctl or Google Core Transfer Library.

Code of Conduct

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

Student Assistants **(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. Application can be filled out in the Counseling Center. Interns receive credit and take their intern assignment as they would an elective class. Interns retain their study hall. Only students with unremarkable discipline and attendance will be considered. As part of this Work-Based Learning experience, students will complete a number of components resulting in a portfolio.

Kingsmen Tutor Internship (Course number 0661 **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 application in the spring prior to enrollment, with a deadline of May 1st. Foreign exchange students must enroll for the entire school year (August – June).

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

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

Freshman Mentors

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

Pharmacy Technician Training

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

1 Semester 1-2 Credits Grade 12

Tuition: Tuition will be free for Penn Students

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

Prerequisite: Pass pharmacy technician math test.

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

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

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

Penn High School Course Numbers:

	First Semester	Second Semester
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: mball@phm.k12.in.us.

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

You are required to attend all classes. If, due to an emergency, you miss a class, it will be your responsibility to gather notes from other students to obtain the information you need. There will be no make-up quizzes for missed classes. A minimum grade of 65% on each exam will be required to pass the course. An overall grade of 70% is required to pass the course. IUSB requires 80% attendance to pass the course.

The contents of the training program include specific training duties required to assist a pharmacist in the technical functions associated with the practice of pharmacy, and shall include, at a minimum the following Understanding the duties and responsibilities of the technician and the pharmacist, including the standards of patient confidentiality and ethics governing pharmacy practice, Tasks and technical skills, policies, and procedures related to the technician's position, Working knowledge

of pharmaceutical-medical terminology, abbreviations, and symbols commonly used in prescriptions and drug orders, Working knowledge of the general storage, packaging, and labeling requirements of drugs, prescriptions, or drug orders, Ability to perform the arithmetic calculations required for the usual dosage determinations, Working knowledge and understanding of the essential functions related to drug purchasing and inventory control, The record keeping functions associated with prescriptions and drug orders

Pennway Alternative School

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

Pennway Night School

The Penn-Harris-Madison School Corporation offers the Pennway Night School which provides coursework toward a high school Core 40 diploma for students over the age of 18 and beyond their senior cohort living in or outside PHM boundaries. Night School provides a comprehensive core curriculum of AdvancED-approved courses delivered through the Plato software program. Individuals who have a GED, are currently enrolled at another high school and not beyond their graduation date are not eligible.

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. Independent Study provides a comprehensive core curriculum of AdvancED- approved courses. 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 setting. These courses contain modified curriculum. These courses on their own do not meet the state proficiency requirements for a diploma. These students are working on a vocational tract towards earning a Certificate of Completion.

The Functional Life Skills Program

This program is an activity/community based program designed to make students with significant disabilities as independent as possible within the school and community environments. Whenever appropriate, students receive their training in general education settings with non-disabled peers. Students do not earn course credit toward a diploma but will receive a Certificate for Completion of the Individual Education Plan and participate in graduation ceremonies.

Indiana Certificate of Completion
Course of Study
Effective with the students who enter high school in 2018-19 school year (class of 2022)

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

Minimum total 40 credits/applied units: It is expected that these requirements are met through enrollment in a combination of general education courses for credit, modified general education courses in which non-credit ap units are earned and special education courses in which non-credit applied units are earned.		
Life Skills*		Applied**
LS Language Arts I LS Language Arts II	**English/ Language Arts** **(8 Units)**	Applied English 9 Applied English 10 Applied English 11 Applied English 12
Practical Math I Practical Math II	**Mathematics** **(4 Units)**	Applied Math I Applied Math II
LS Science	**Science** **(4 Units)**	Applied Biology

LS Social Studies	**Social Studies** **(4 Units)**	Applied Geography Applied Civics and Money Matters
Adaptive PE	**Physical Education** **(2 Units)**	PE or Adaptive PE
Daily Living Skills	**Health and Wellness** **(1 Units)**	Applied Health and Wellness
Community Living Education and Training Personal Management Employability Skills Work Experience	**Employability** **(10 Units)**	Careers Work Experience General education coursework driven by transition goals
General Education Electives	**Electives** **(7 Units)**	General Education Electives
Certificate of Completion Transition Portfolio		
Students earning a certificate of completion fulfill <u>at least one</u> of the following (aligned with transition g **1. Career Credential**: Complete an industry-recognized certification, one-year certificate or state-approved alt **2. Career Experience**: Complete project- or work-based learning experience or part time employment **3. Work Ethic Certificate**: Earn a Work Ethic Certificate (criteria to be locally determined) **4. Other Work Related Activities**: As determined by the case conference committee		

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

EXCEPTIONAL EDUCATION COURSE DESCRIPTIONS

Penn# 1201

APPLIED ENGLISH 9
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisite: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 1002
Course Description:
This course contains a modified curriculum. This course is designed to give students the skills they need to fully understand the English language, as well as, the ability to read and interpret a variety of literature selections. Students analyze readings for content and meaning. This class is designed for students who need an alternative to the general education English 9 class. Placement is made on the recommendation of the case conference committee. This course is for students working towards a Certificate of Completion.

Penn# 1203
APPLIED ENGLISH 10
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisite: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 1004
Course Description:
This course contains a modified curriculum. This course is designed to give students the skills they need to fully understand the English language, as well as, the ability to read and interpret a variety of literature selections. Students analyze readings for content and meaning. This class is designed for students who need an alternative to the general education English 10 class. Placement is made on the recommendation of the case conference committee. This course is for students working towards a Certificate of Completion.

Penn# 1205
APPLIED ENGLISH 11
Semesters: 2 Credits: 2
Grade Level: 11
Prerequisite: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 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 a Certificate of Completion.

Penn# 1207
APPLIED ENGLISH 12
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 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.

Penn# 1283/1285/1287
CORRECTIVE READING I, II & III
Semesters: 2 Credits: 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 Credits: 2
Grade Level: 9-12

Prerequisite: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 0500
Course Description:
This course is highly recommended for 9th, 10th, 11th, and 12th grade students with exceptional education needs. 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 Credits: 2
Grade Level: 9-10
Prerequisite: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 1570
Course Description:
This course contains modified curriculum. This course is designed for those students in exceptional education who need an alternative to the general education Geography and History of the World course. This course will examine the human and physical geography of the seven continents of the world. Students will learn map skills and vocabulary related to world geography. Placement is made on the recommendation of the case conference committee. This course is geared towards individual skill needs. Students in this course are working towards a Certificate of Completion.

Penn# 1213
APPLIED CIVICS
Semesters: 1 Credits: 1
Grade Level: 12
Prerequisites: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE# 1508
Course Description:
This course contains modified curriculum. This course is designed to be paired with Money Matters. It is a course that outlines our government in a student friendly manner.

Penn# 1216
APPLIED MONEY MATTERS
Semesters: 1 Credits: 1
Grade Level: 11-12
Prerequisites: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 1514
Course Description: This course contains modified curriculum. This course is designed for those students in exceptional education who need an alternative to the general education Economics course. Students are acquainted with economic systems, supply and demand, consumer spending, and budgeting. Placement is made on the recommendation of the case conference committee. Students in this course are working towards a Certificate of Completion.

Penn# 1235
APPLIED MATH I
Semesters: 2 Credits: 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. This course is for students working towards a Certificate of Completion.

Penn# 1236
APPLIED MATH II
Semesters: 2 Credits: 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. This course is for students working towards a Certificate of Completion.

Penn# 1237
APPLIED BIOLOGY I
Semesters: 2 Credits: 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 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards.

Penn# 1238
APPLIED BIOLOGY II
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 3024
Course Description:
This course contains modified curriculum, which focuses on the ISTAR IDOE Biology standards. This course is designed for those students who need an alternative to the general education science courses. Students explore the nature of science, structures and functions of living systems and changes in living systems. Students will learn content through interactive relationships between living organisms and the environment. Students will learn content through a multi-sensory approach with differentiated instruction based on student needs. Students may be recommended to take a second year in this course of study. The Biology ISTAR assessment will be administered during the student's 10th grade year. Enrolled students are pursuing a Certificate of Completion.

Penn# 1229 OR 1230
APPLIED HEALTH AND WELLNESS
Semesters: 1 Credits: 1
Grade Level: 9-12
Prerequisite: Must be recommended in the Individualized Education Plan
Weight: 4.0 IDOE: 3506
Course Description:
Health & Wellness, a course based on Indiana's Academic Standards for Health & Wellness, provides the basis to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students practice the development of functional health information. Students will determine personal values that support health behaviors and develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

Penn# 0503
APPLIED PHYSICAL EDUCATION I & II *Semesters: 2*
Credits: 2
Grade Level: 9
Prerequisite: Case conference committee and medical statement on file
Weight: 4.0
IDOE: 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.

Penn# 1266
CAREER INFORMATION
Semesters: 2 Credits: 2
Grade Level: 9-10
Prerequisites: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 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. This course is for students working towards a Certificate of Completion.

Penn# 1239 1240 1241 1242 1243 1244 1245 1246
WORK EXPERIENCE (WBL)
Semesters: 2 Credits: 2 per block
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.

LS CLASSES

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

Penn# 2202
LIFE SKILLS
Semesters: 2 Credits: 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. This course is for students working towards a Certificate of Completion.

Penn# 2200
LS BIOLOGY I
Semesters: 2 Credits: 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 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards.

Penn# 2224
LS BIOLOGY II
Semesters: 2 Credits: 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 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards.

Penn# 1233
LS MATH
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisites: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 2560
Course Description:
This course contains modified curriculum. This course is designed for those students in exceptional education who need an alternative to the general education mathematics courses. It focuses on developing math skills for real life situations such as measurement, money skills, time, basic addition and subtraction, and more. A variety of materials are used in individual and group instruction. This course is geared towards individual skill needs. Students in this course are working towards a Certificate of Completion. Students will be working on IAM standards.

Penn# 2208
LS SOCIAL STUDIES
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisites: Must be recommended in the Individual Education Plan
Weight: 4.0 IDOE: 1508
Course Description:
Students develop skills on their personal environment, community and world around them. Instruction is centered on the development of individual student and their use of the resources available.

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

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

Penn# 2212
LS LANGUAGE ARTS 11
Semesters: 2 Credits: 2
Grade Level: 11
Prerequisites: Must be recommended in the Individual Education Plan.
Weight: 4.0 IDOE: 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.

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

Penn# 2220
LS WORK EXPERIENCE (WBL)
Semesters: 2 Credits: 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). This course is for students working towards a Certificate of Completion and/or Diploma Track. Placement is made on the recommendation of the case conference committee.

Penn# 2222
LS EMPLOYABILITY
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Must be recommended in the Individualized Education Plan
Weight: 4.0 IDOE: 0522
Course Description:
The LS Employability course provides students with opportunities to learn about themselves including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in employability, and career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as community based instruction, internships, mock interviews, and guest speakers. Life Skill portfolio and resume development experience and career-related assessments may also be provided to students.

Penn# 2210
LS EDUCATION AND TRAINING
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Must be recommended in the Individualized Education Plan
Weight: 4.0 IDOE: 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. This course is for students working towards a Certificate of Completion.

Penn# 2214
LS COMMUNITY LIVING
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: Must be recommended in the Individualized Education Plan
Weight: 4.0 IDOE: 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. This course is for students working towards a Certificate of Completion.

Penn# 2206
LS PERSONAL MANAGEMENT
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: Must be recommended in the Individualized Education Plan
Weight: 4.0 IDOE: 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.

Penn# 2100 AND/OR 2101
SASS INDEPENDENT STUDY/STUDY HALL
Semesters: 1 or 2 Credits: 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# 1871

PREPARING FOR COLLEGE & CAREERS (PCC) WITH 1873
Semesters: 1 Credits: 1
Grade Level: 9
Weight: 4.0 IDOE: 5394
Course Description:
Students will automatically be enrolled in this course.
The focus of this course is on the impact of today's choices on tomorrow's possibilities. Topics will include exploration of personal aptitudes, interests, principles and goals; life and career exploration; college and/or military planning; employability skills; personal financial literacy; transferring school skills to life and work and good decision making. This course will provide a strong foundation for becoming an involved, independent, and responsible student, employee and citizen. Students will create and apply critical thinking strategies in areas of time management, media literacy, learning styles, study skills, career planning, money management, resource utilization.

Penn# 1877
INTERACTIVE MEDIA
Semesters: 2 Credits: 2
Grade Level: 10-12
Weight: 4.00 IDOE: 5232
Students will automatically be enrolled in this course.
Course Description:
Interactive Media prepares students for careers in business and various industries working with interactive media products and services. This course emphasizes the development of digitally generated or computer-enhanced products using multimedia technologies including their Chromebooks, cell phones, digital cameras, tripods, and more. They will be learning about various art and design elements, digital photography techniques, 2D and 3D animation, video production and editing as well as the creation, planning and maintaining of a webpage. A project based approach and applications through authentic settings such as work-based observations and service learning experiences are appropriate.

Penn# 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
PENN ADVANCED CTE COLLEGE CREDIT
(A College-Based Dual Credit Program)
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 Advanced CTE College Credit for 1, 2, 3 or 4 periods. Student schedules are individualized according to the student's interests. Student is responsible for all costs associated with the college course. Students have the opportunity to enroll in a class at a local college through the Penn Advanced CTE CC Program at Penn High School. This is an opportunity for students to begin college coursework while still in high school. An individualized schedule and plan will be developed for each participant. Juniors and seniors choose an area that matches their intended college major, their career plan or personal interest area. Participating colleges are Bethel College, IUSB, Ivy Tech, Purdue Polytechnical, Southwestern Michigan College (Niles/Dowagiac), Michiana Beauty College and Vogue. Each student will enroll through Penn High School and a local college. Each student will receive college credit from the particular post-secondary institution and high school credit from the Penn Advanced CTE CC Program. Students will pay the textbook cost for that particular college (same as if the student had graduated from high school and was attending the college). See the *Penn Accelerated College Program* section for details. **Students must provide their own transportation. Complete details are listed in the Penn Advanced CTE College Credit Program section.**

Penn# 1885
SAT®/ACT PREP
Semesters: 2 Credits: 0
Grade Level: 10-12
Weight: 4.0 IDOE: 0532
Course Description:
The SAT®/ACT course helps students to develop the reading, language, writing, math, and science skills that are foundational for success in college and the professions. The class provides opportunities to practice close reading of informational, narrative, persuasive, and literary texts, and includes review of the writing conventions and organizational elements that students need to apply in their composing and proofreading. Students will complete timed essays patterned off the SAT® rhetorical analysis and ACT argumentative synthesis. The course also includes practice of SAT®/ACT math and science skills, as well as test-taking strategies to improve performance on these important tests. The SAT®/ACT course builds on the work students are doing in their other English, math, and science courses.

Penn# 1603
PEER LEADERS (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)
WITH LANGUAGE LAB (1658)
Semesters: 2 Credits: 2
Grade Level: 9-12
Recommendation: WIDA Scores
Weight: 4.0 IDOE: 1012
Course Description:
Basic Skills Development is a multidisciplinary course which

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

Penn# 1658
LANGUAGE LAB
WITH ELD
Semesters: 2 Grade Level: 9-12
Weight: 4.0 IDOE: 0500
Recommendation: WIDA Scores
Course Description:
Students enrolled in the International Seminar class focus on the active application of language in order to address global issues & problems. Students stay abreast of current world events through weekly readings. They recount, explain, argue and discuss current issues in a seminar format. As a team, these students use mass-media to craft, publish, and distribute new stories about contemporary topics and problems on a PNN mass-media channel.

Penn# 0661 BBBS: 0662
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 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# 2311
IVYT 111 STUDY SKILLS *(EC) WITH 1871C/1873C PCC*
Semesters: 2 Credits: 2
Grade Level: 9
Weight: 4.5 DOE# 0500
DOE: Basic Skills Development
College Credits: 3
Course Description:
Enhances success in college by assisting students in obtaining skills necessary to educational, career and life objectives. Students will create and apply critical thinking strategies in areas of time management, media literacy, learning styles, study skills, career planning, money management, resource utilization.

Penn# 2307
GEOGRAPHY AND HISTORY OF THE WORLD, *(EC)*
Semesters: 2 Credits: 2
Grade Level: 9
Weight: 4.0 DOE# 1570
Course Description:
Honors Geography focuses on integrating the spatial and ecological geographic perspectives. Using critical thinking, and analysis the course aims to allow students to study the interdependence of the Earth's physical and human systems, putting humans and the earth in context. The course supplements these perspectives with historic, economic, civic and cultural perspectives to frame a distinctly geographic way of looking at the world.

10th GRADE COURSE INFORMATION

Penn# 2315
ENGLISH 10 *(EC)*
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: English 9
Weight: 4.5 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
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)*
Semesters: 2 Credits: 2
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
DOE- Chemistry II
College Credits: 3
Course Description:
An introductory course that includes the science of chemistry and measurement, atomic theory and the periodic table, chemical bonding, equation writing and balancing, stoichiometry, gases and acids/bases.

Penn# 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)*
Semesters: 1 Credits: 1
Grade Level: 10
***Prerequisites:* Passing score on the English Knowledge Assessment**
Weight: 4.5 DOE# 4528
DOE- Digital Applications & Responsibility
College Credits: 3
Course Description:
Introduces the physical component and operations of microcomputers. Focuses on computer literacy and provides hands-on training in four areas of microcomputer applications software: word processing, electronic spreadsheets, database management and presentation software. Use of a professional business computer application program is encouraged.

Penn# 2321
ALGEBRA II (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 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)*
Semesters: 2 Credits: 2
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
DOE- English 11 / Advanced Composition
College Credits: 6
Course Description:
English composition is designed to develop students' abilities to think, organize, and express their ideas clearly and effectively in writing. This course incorporates reading, research and critical thinking. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison, analysis, persuasion, and argumentation. A research paper is required. Numerous in-class writing activities are required in addition to extended essays written outside of class. E112 continues the work of 111, emphasizing the persuasion and argumentation aspects of writing. Unique to EC English 111/112 is the cross-curricular project based learning incorporated.

Penn# 2355
BIOL 101 *INTRODUCTORY BIOLOGY* (EC)
Semesters: 2 Credits: 2
Grade Level: 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
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# #2331/2332
HIST 101 SURVEY OF AMERICAN HISTORY I / HIST 102 SURVEY OF AMERICAN HISTORY II (PAEC)
Semesters: 2 Credits: 2
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
DOE- United States History
College Credits: 6
Course Description:
Covers major themes and events in history including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture; territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War, the post-Civil War period; western expansion, industrial growth of the nation and its effects; immigration and urban discontent and attempts at reform; World War I; the Roaring Twenties; social and governmental changes of the thirties; World War II and its consequences; the growth of the federal government; social upheaval in the sixties and seventies; and recent trends in conservatism, globalization, and cultural diversity.

Penn# 2337/2338
SPAN 101 SPANISH LEVEL 1 / SPAN 102 SPANISH LEVEL 2 (EC)
Semesters: 2 Credits: 2
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
DOE-Spanish III
College Credits: 8
Course Description:
Ivy Tech Span 101/102 is a dual credit course designed to introduce students to the Spanish language and focuses on all four language skills: listening, speaking, reading, and writing. Students will move more quickly through grammar topics that they have been introduced to in their first two years of preparatory study. It is also designed for students to speak Spanish in class as much as possible. Students will study more challenging grammar that includes multiple tenses and moods. Ivy Tech Span 101/102 provides students with the opportunity to Master basic Spanish vocabulary and grammar, Understand simple oral communication about familiar topics, Speak in complete sentences about specific topics, Ask and answer questions on everyday topics in the present tense, Write simple standard expressions, complete sentences and short paragraphs, Read and discuss simple paragraphs and articles which may include literary and cultural works, Understand cultural traits and geography of the Spanish speaking world, Demonstrate knowledge, understanding and appreciation of the Spanish language and cultures of the Spanish-speaking world.

Penn# 2339 OR 2340
COMM 101 FUNDAMENTALS OF PUBLIC SPEAKING *(EC)*
Semesters: 1 Credits: 1
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
DOE- Advanced Speech and Communication
College Credits: 3
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 COLLEGE ALGEBRA / MATH 137 TRIGONOMETRY WITH ANALYTIC GEOMETRY (PAEC)
Semesters: 2 Credits: 2
Grade Level: 11
Prerequisite: Algebra II and a passing score on the Math Knowledge Assessment Test or PSAT
Weight: 4.5 DOE# 2564/2566
DOE-Pre-Calculus/Trigonometry
College Credits: 6
Course Description:
136 Presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and exponential and logarithmic functions. 137 Presents an in-depth study of right triangle trigonometry, oblique triangles, vectors, graphs of trigonometric functions, trigonometric identities and equations and complex numbers in rectangular and polar/ trigonometric forms, rectangular and polar coordinates and conics.

Penn# 2389
MATH 136 COLLEGE ALGEBRA (EC)
Semesters: 2 Credits: 2
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
DOE-Pre-Calculus & Advanced Math
College Credit: 3
COURSE DESCRIPTION:
This course is designed for students that need additional work in Algebra before attempting Pre-calculus. College Algebra – Ivy Tech 136 presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and exponential and logarithmic functions. Ivy Tech Credit may be earned. Topical areas of study include: Quadratic, polynomial, rational and radical equations, Complex Numbers, Exponential and logarithmic functions, Radicals and rational expressions, Graphs of equations and functions, Variation, and Systems of equations.

12th GRADE COURSE INFORMATION

Penn# 2346/2369
ENGL 206 INTRODUCTION TO LITERATURE / ENGL 202 CREATIVE WRITING (EC)
Semesters: 2 Credits: 2
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
DOE-Advanced English/Language Arts
College Credit: 6
Course Description:
ENGL 206 Development of basic strategies for critically reading and interpreting poetry, fiction, and drama; introduction to the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing assignments. ENGL 202 This course introduces students to opportunities for self-expression in one or more literary genres - fiction, poetry, drama, and the creative essay. Creative writing will be conducted using a workshop model; students will share their writing with each other and collaborate in response groups to give and receive feedback.

Penn# 2347 OR 2348
POLS 101 *INTRODUCTION TO AMERICAN GOVERNMENT AND POLITICS (EC)*
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

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# 2333

CHEM 101 INTRODUCTION TO CHEMISTRY (*EC)*

Semesters: 2 Credits: 2

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

DOE- Chemistry II

College Credits: 3

Course Description:

An introductory course that includes the science of chemistry and measurement, atomic theory and the periodic table, chemical bonding, equation writing and balancing, stoichiometry, gases and acids/bases.

Penn# 2367

MATH 135 FINITE MATH *(EC)*

Semesters: 2 Credits: 2

Grade Level: 12

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

Weight: 4.5 DOE# 2530

DOE-Finite Mathematics

College Credit: 3

Course Description:

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

Penn# 2353

MATH 211 CALCULUS I (EC)

Semesters: 2 Credits: 2

Grade Level: 12

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

Weight: 4.5 DOE# 2527

DOE- Calculus

College Credit: 4

Course Description:

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

Penn#2351/2352

SPAN 201 SPANISH LEVEL III / SPAN 202 SPANISH LEVEL IV (PAEC)

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 (PAEC)

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

course. The course highlights how biology has both personal and global implications in human lives. To help students develop into productive and responsible citizens, they will make connections between biological concepts and real life applications. Through regular laboratory investigations, projects, reading, research, group discussion, computer simulations, and videos, Biology I Honors provides a study of four major themes: Biochemistry and Cells –organic molecules, cellular components and functions, Ecology – the study of relationships between living organisms and the environment, Genetics – the study of heredity and inheritance of traits, Evolution- the mechanism for change over time and the diversity of life.

Penn# 1105
GEOGRAPHY AND HISTORY OF THE WORLD
Semesters: 2 Credits: 2
Grade Level: 9
Weight: 4.0 DOE# 1570
Course Description:
Students develop and use the six elements of geography to better understand current events and issues facing the world today. These elements are: The World in Spatial Terms, Places and Regions, Physical Systems, Human Systems, Environment and Society, and the Uses of Geography. Students will demonstrate an understanding of these elements of geography in the context of world history, primarily from 1450 to the present. This geographic and historical framework provides students a unique insight. This course will focus on fundamental questions, such as "Where is something? Why is it there? How did it get there? How does it interact with other things? What does it mean for the future? How does geography shape the past, present and future?" The primary subject matter is the Earth's surface and the processes that shape it; the historical context connecting people and environments; the skills necessary to read maps, graphs and other geographic data; and the skills required to conduct research and improve writing skills.

Penn# 1169
GEOGRAPHY AND HISTORY OF THE WORLD HONORS
Semesters: 2 Credits: 2
Grade Level: 9
Weight: 4.0 DOE# 1570
Course Description:
Honors Geography focuses on integrating the spatial and ecological geographic perspectives. Using critical thinking, analysis and assessments the course aims to allow students to study the inter-dependency of the Earth's physical and human systems, putting humans and the earth in context. The course supplements these perspectives with historic, economic, civic and cultural perspectives to frame a distinctly geographic way of looking at the world.

Penn# 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

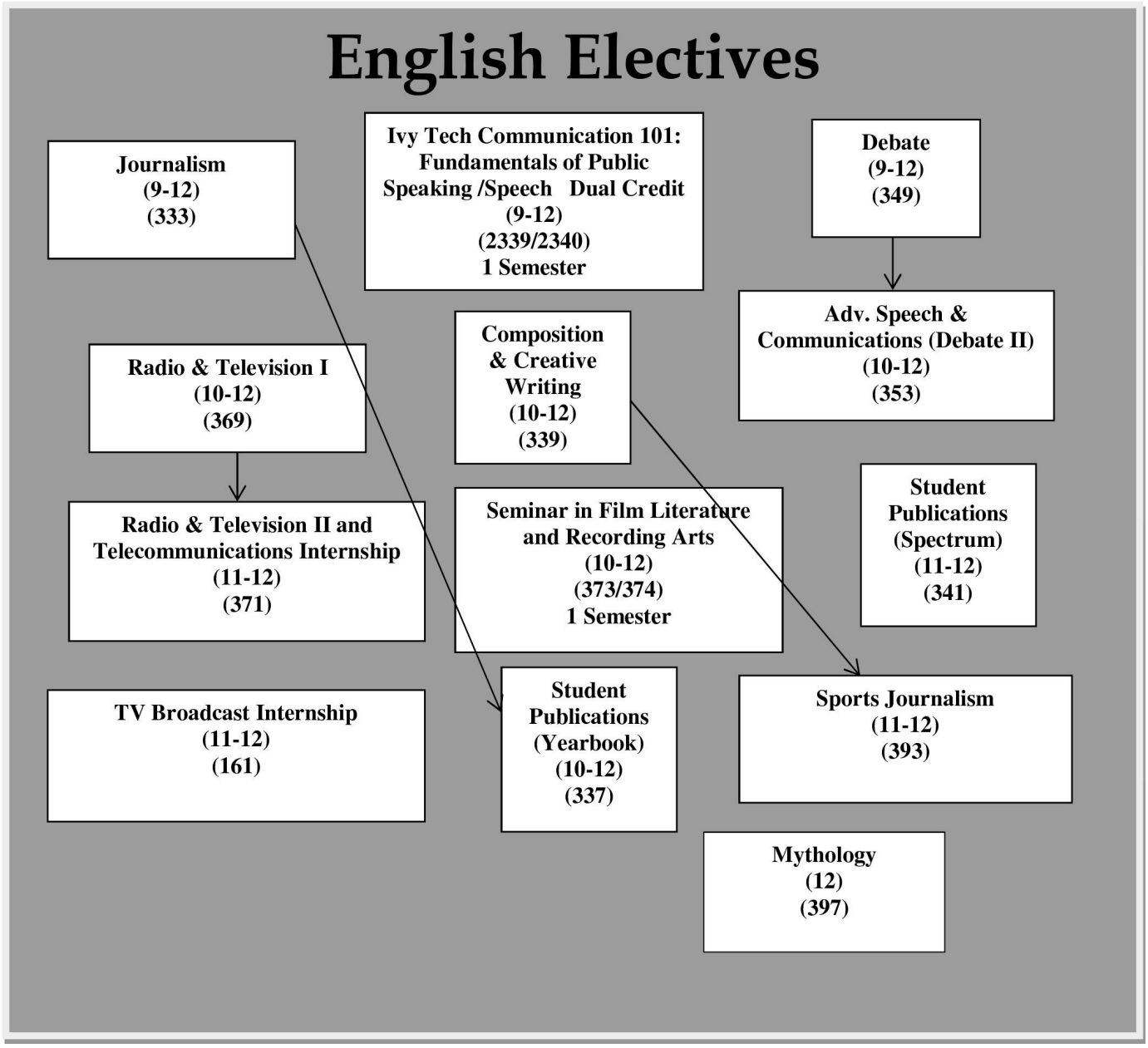
Course Description:

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	Grade 10	Grade 11	Grade 12
English 9 (301)	**English 10 (307)**	**English 11 (313)**	**English 12 (321)**
or	**or**	**or**	**or**
English 9 Honors (305)	**English 10 Honors (311)**	**AP English Language and Composition (315)**	**English 12: Ivy Tech 111/215 (398/399) Use 398 to schedule**
		or	**or**
		English 11 Honors/ ACP US History Seminar (320)	**ACP English Composition (325) ACP English Literature (326) Use 325 to schedule**
		or	**or**
		AP English Language and Composition/ AP US History Seminar (327)	**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
Journalism
(9-12)
(333)
Ivy Tech Communication 101: Fundamentals of Public Speaking /Speech Dual Credit
(9-12)
(2339/2340)
1 Semester
Debate
(9-12)
(349)
Adv. Speech & Communications (Debate II)
(10-12)
(353)
Radio & Television I
(10-12)
(369)
Composition & Creative Writing
(10-12)
(339)
Radio & Television II and Telecommunications Internship
(11-12)
(371)
Seminar in Film Literature and Recording Arts
(10-12)
(373/374)
1 Semester
Student Publications (Spectrum)
(11-12)
(341)
TV Broadcast Internship
(11-12)
(161)
Student Publications (Yearbook)
(10-12)
(337)
Sports Journalism
(11-12)
(393)
Mythology
(12)
(397)

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 timed 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 timed writing essays given as unit summative assessments.

Penn# 0379
DEVELOPMENTAL READING II
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Test results, teacher referral, and counselor recommendation
Weight: 4.0 DOE# 1120
Course Description:
This course is intended to support and enhance a student's experience with the Penn High School curriculum by helping students develop an understanding of themselves as readers and writers while acquiring the strategies used by highly effective readers and writers. The goal is to use contemporary, high-interest, accessible texts as the foundation around which and through which students build personal literacy identities and literacy processes. The goal is not to teach specific texts or to re-teach English curriculum. Instead, students who leave this course will better understand themselves as readers and writers and, therefore, will be more strategic about how they approach reading, writing, and learning tasks. Armed with this newfound confidence, students will find themselves more prepared to engage successfully with the many learning opportunities that are offered here at Penn High School. This is an elective course; it does not satisfy the state English graduation requirement. This elective will help students continue their educational career here at Penn High School on a positive note.
Penn# 0313

ENGLISH 11
Semesters: 2 Credits: 2
Grade Level: 11
Prerequisite: English 10
Weight: 4.0 DOE# 1006
Course Description:
English 11 surveys American literary 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

ENGLISH 11 HONORS and ACP US HISTORY SEMINAR WITH 1182

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 12: IVY TECH
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: English 11
Weight: 4.5 DOE# 1008
Ivy Tech- ENGL 111 English Composition & 215 Rhetoric and Argument
College Credits: 6
Course Description:
English composition is designed to develop students' abilities to think, organize, and express their ideas clearly and effectively in writing. This course incorporates reading, research and critical thinking. Emphasis is placed on the various forms of expository writing such as personal, comparison, analysis, persuasion, and argumentation. Students wishing to take the class for dual credit need to meet the IVY Tech requirements for admission. This course focuses entirely on non-fiction texts and writing. This is not a literature course. A research paper is required. Numerous in-class writing activities are required, in addition to extended essays written outside of class. ENGL 215 continues the work of 111, emphasizing the persuasion and argumentation aspects of writing.

Penn# 0325/0326
ACP COMPOSITION & LITERATURE
Semesters:1 or 2 Credits:1 or 2
Grade Level: 12
Prerequisites: English 11 AND IU admission requirements
Weight: 5.0 DOE# 1124
IU- ENG-W 131 Reading, Writing, & Inquiry I / ENG-L 202 Literary Interpretation
College Credits: 3-6
Course Description:
Each semester of ACP (Advance College Project) is a dual credit course offered through Indiana University and transferable to more than 400 colleges and universities nation-wide, meaning that the course fulfills the credit requirements for Penn High School's English 12 *and* for college-level English (W131, college-level freshman composition in the fall and L202, college-level sophomore literary analysis in the spring.) Students are awarded three college credit hours for each semester in which they earn a grade of C or better, so they start building college transcripts and earning college credit while still in high school. By participating in the ACP program, students can prepare themselves for the rigors of college classes at their own pace by taking one or two classes per semester in high school. Indiana University carefully screens applicants so that those who are accepted are likely to be successful. ACP courses are carefully monitored by Indiana University, and the instructors are specially trained so that the classes at the high school mirror what is offered on the college campus. The program offers challenging material for the college-bound student.

Penn# 0329
AP® *ENGLISH LITERATURE & COMPOSITION*
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisites: 11th Grade English Course
Weight: 5.0 DOE# 1058
Course Description:
Advanced Placement® English Literature and Composition is 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# 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# 0339/0340

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

Prerequisite: Creative Writing and Composition

Weight: 4.0 DOE# 1086

Counts as Fine Arts credits for Academic Honors diploma

Course Description:

Students who have taken Composition/Creative Writing may elect to enroll in Student Media-Spectrum. This course, designed for the serious writing student, continues to focus on the goals of journal writing, personal narrative, fiction and poetry, with the addition of the publication of Spectrum, Penn's literary magazine. Students will be involved in every aspect of the publishing process from the collection of work, to editing, to 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.

Penn# *0369*

RADIO & TELEVISION I

Semesters: 2 Credits: 2

Grade Level: 11-12

Weight: 4.0 DOE# 5986

Course Description:

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

Penn# *0369-N*

PRINCIPLES OF BROADCASTING

Semesters: 2 Credits: 2

Grade Level: 9-10

Weight: 4.0 DOE# 7139

Course Description:

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

Penn# 0371

RADIO & TELEVISION II

Semesters: 2 Credits: 2

Grade Level: 11-12
Prerequisite: Radio & TV I and Application
Weight: 4.0 DOE# 5992
Course Description:
After taking *Radio & Television I 0369,* these publications students will continue their work in the PNN Studio and at pnn.phmschools.org. This class runs the newsroom and studio for 180 days, and they are responsible for providing Penn High School complete coverage of school news. These students shoot 90 shows per year, and compete in state and national competitions. As a requirement of the class, students are expected to work outside of school hours to cover events that include extra-curricular functions at Penn High School and in Saint Joseph County. Students can enroll in local production internships, and if eligible, may take the class for dual credit. More information can be found at massmediastudies.net.

Penn# 0371-N
AUDIO & VIDEO PRODUCTION ESSENTIALS
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisite: Principles of Broadcasting
Weight: 4.0 DOE# 7306
Course Description:
After taking *Radio & Television I 0369,* these publications students will continue their work in the PNN Studio and at pnn.phmschools.org. This class runs the newsroom and studio for 180 days, and they are responsible for providing Penn High School complete coverage of school news. These students shoot 90 shows per year, and compete in state and national competitions. As a requirement of the class, students are expected to work outside of school hours to cover events that include extra-curricular functions at Penn High School and in Saint Joseph County. Students can enroll in local production internships, and if eligible, may take the class for dual credit. More information can be found at massmediastudies.net.

Penn# 0373 OR 0374
FILM LITERATURE
Semesters: 1 Credits: 1
Grade Level: 10-12
Weight: 4.0 DOE# 1034
Course Description:
Beginning with media literacy, students participating in this class will not only develop a critical analysis of the moving picture medium, but they will also produce independent film projects. Students will examine production from the authoring of screenplays all the way through the production, and post-production stages of film creation. Instruction will be provided through selected readings, and the study of the history of filmmaking, utilization of various technologies, lab work, and time in the field producing independent film projects. Students will have the opportunity to screen their work in competitions and film festivals. The class will culminate with Penn High School's own Film Festival held in May. More information can be found at http://massmediastudies.net.

Penn# 0161
TV BROADCAST INTERNSHIP (WBL)
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Complete at least one advanced career and technical education course from a program or program of study. Worksite placement must align to the student pathway.
Weight: 4.0 DOE# 5974
Course Description:
In this class, students may develop media literacy through instruction and practice, and they engage in all facets of production in the PNN television studio. Students may also participate in a professional internship with local Media companies. Members of the class produce a variety of projects in the studio, and they take them from concept to complete. Students develop a portfolio of work that includes television productions, news segments, music videos, public service announcements, commercial spots, live broadcasts, and multimedia stories. Students gain experience in all aspects of production in the PNN television studio, and they sometimes produce news shows for pnn.phmschools.org. This publications class lays the groundwork for further study in this field and other publications classes such as MASS MEDIA / TECH COMM II, 0371. More information can be found at massmediastudies.net.

Penn# 0397
THEMES IN LITERATURE-MYTHOLOGY
Semesters: 2 Credits: 2
Grade Level: 10-12
Weight: 4.0 DOE# 1048
Counts as English credits for all diplomas
Course Description:

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

Penn# 0393
SPORTS JOURNALISM
Semesters: 2 Credits: 2
Grade Level: 10-12
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)
WITH LANGUAGE LAB (1658)
Semesters: 2 Credits: 2
Grade Level: 9-12
Recommendation: WIDA Scores
Weight: 4.0 IDOE: 1012
Course Description:
Basic Skills Development is a multidisciplinary course which provides students continuing opportunities to develop the basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note taking, (7) study and organizational skills, and (8) problem-solving skills that are essential for high school course work achievement. Determination of the skills to be emphasized in this course is based on the Indiana State proficiencies, individual school corporation general curriculum plans, and student Individualized Learning Plan (ILP). Credits earned in this course are elective credits. For further information regarding ENL services, please contact your Guidance Counselor or ENL Coordinator.

Penn# 1658
LANGUAGE LAB-WITH ELD I-III
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.0 IDOE: 0500
Prerequisite: WIDA Scores
Course Description:
Students enrolled in the International Seminar class focus on the active application of language in order to address global issues & problems. Students stay abreast of current world events through weekly readings. They recount, explain, argue and discuss current issues in a seminar format. As a team, these students use mass-media to craft, publish, and distribute new stories about contemporary topics and problems on a PNN mass-media channel.

ART

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

2-D Design
149
1 Semester Course
9-12

3-D Design
150
1 Semester Course
9-12

Art History I & II
155
10-12

Visual Communications
183/184
9-12

Entertainment Design
I & II - 171
III & IV - 177

Media Arts
(Photography)
I & II - 141/142
III & IV - 143/144
V & VI - 145/146

Painting
I & II - 101/102
III & IV - 103/104
V & VI - 105/106
VII & VIII - 107/108

Ceramics
I & II - 109/110
III & IV - 111/112
V & VI - 113/114
VII & VIII - 115/116

Drawing
I & II - 117/118
III & IV - 118/120
V & VI - 121/122
VII & VIII - 123/124

Sculpture
I & II - 125/126
III & IV - 127/128
V & VI - 129/130
VII & VIII - 131/132

Graphic Design
I & II - 133/134
III & IV - 135/136
V & VI - 137/138
VII & VIII - 139/140

AP Art History
165

Studio Art
Advanced 2D Art - 151
Advanced 3D Art - 157
AP Drawing - 153
AP 2D Art & Design – Painting - 154
AP 2D Art & Design – Photography - 173

Portfolio Exit Project
0169
(1Sem.)

Printmaking
167
(1Sem.)
(2nd)

All classes must be taken in sequence. For example, Drawing 117/118 must be taken before Drawing 119/120. There are no prerequisites for any beginning level course and students may take more than one beginning level

VISUAL ARTS

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

Penn# 0149
INTRODUCTION TO TWO-DIMENSIONAL ART
Semesters: 1 Credit: 1
Grade Level: 9-12
Prerequisite: AP Seminar
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
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.

Penn# 0109/0110
CERAMICS I & II
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 a creative and useful artwork. Your artwork will not only be a decorative piece of art, but you will be able to use it in your daily life or give it to someone as a gift of love. Students will explore coil, slab, pinch, drape and sculpture techniques to construct animal sculptures, bowls, boxes, masks, teapots, tiles and vessels that have a strong sense of color and texture designs.

Penn# 0111/0112
CERAMICS III & IV
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Ceramics I-II
Weight: 4.0 DOE# 4040
Course Description:
This course is a further study of clay, glazing, staining and design techniques. Wheel thrown pottery will be introduced. Independent studio practices emphasizing creativity and exploration into the realm of clay as pottery will be applied to non functional and functional ware.

Penn# 0113/0114
CERAMICS V & VI
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Ceramics III-IV
Weight: 4.0 DOE# 4040
Course Description:
This course is a continuing study and development of ceramic skills and techniques, emphasizing the development of individual style. Traditional and contemporary clay sculpture will be applied as students work on free form ceramics and the potter's wheel to create a series of nonfunctional and functional pottery.

Penn# 0115/0116
CERAMICS VII & VIII
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Ceramics V-VI
Weight: 4.0 DOE# 4040
Course Description:
Ceramic students participating in this class are urged to create high quality artwork to be put into their portfolio. This class is designed for a student who wants to research a variety of techniques beyond previous levels to develop a personal concentration in their own style of artwork.

Penn# 0117/0118
DRAWING I & II
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
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
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.

Penn# 0133
PRINCIPLES OF DIGITAL DESIGN
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.0 DOE# 7140
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
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Graphic Design I & II OR Visual Communication OR Entertainment Design I & II
Weight: 4.0 DOE# 7141
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
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Principles of Digital Design; Digital Design Graphics OR Entertainment Design III & IV
Weight: 4.0 DOE# 5550
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 (WBL)
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisites: Graphic Design V & VI OR Entertainment Design V & VI
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.

Penn# 0141/0142
PHOTOGRAPHY I & II
Semesters: 2 Credits: 2
Grade Level: 10-12
Weight: 4.0 DOE# 4062
Course Description:
Intro to 2-D or 3-D Art recommended. Student must have access to a 35mm SLR manual camera. Students will explore the basic principles of black and white 35 mm photography. Shutter speed, aperture, depth of field, ASA/ISO film speed, lighting, processing and developing techniques will be taught. Emphasis will be placed on lighting, composition, subject matter, and dark room techniques. Other methods for making visual images will be explored such as pinhole photography, photograms, hand coloring, and toning. Students will gain familiarity with the history of photography.

Penn# 0143/0144
PHOTOGRAPHY III & IV
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Photography I & II
Weight: 4.0 DOE# 4062
Course Description:
Students must have access to a digital camera along with their 35mm manual camera. Students will further explore black and white 35mm photography. Students will focus on building their skills using creative controls of aperture, shutter speed, film, and focusing. Emphasis will be placed on composition, lighting, subject matter, and darkroom techniques. Students will begin to explore digital photography.

Penn# 0173
AP® 2D ART & DESIGN: PHOTOGRAPHY
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Photography III & IV
Weight: 5.0 DOE# 4050
Course Description:
Students will further explore the world of digital photography creating portfolio quality works and gaining essential photoshop skills. The Advanced Placement® (AP®) Studio Art program enables highly motivated students to do college-level work in studio art while still in high school. The program is intended to help students build a professional portfolio that can be submitted for entrance to an Art College, University, or Institute as well as scholarship opportunities. Guidelines for Advanced Placement® Studio Art portfolios have been designed to accommodate a variety of interests and approaches to art. Students must submit 24 pieces that will be evaluated on the basis of quality (student's most successful works with respect to form and content,) concentration (sustained, deep, and multi-perspective investigation of a student-selected topic,) and breadth (a range of ideas and approaches to art-making.). Portfolios will be submitted for evaluation at the end of the semester to the AP® College Board. Automatic portfolio submission, however, does not guarantee college credit. This decision is determined by the individual school. It is highly recommended that you reference this link regarding the AP® Studio Art 2-D Design Portfolio:
http://apcentral.collegeboard.com/apc/members/exam/exam_information/2134.html

Penn# 0101/0102
PAINTING I & II
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
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
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.

Penn# 0125/0126
SCULPTURE I & II
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
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, constructism bust, and creating 3-Dimensional building, etc.

Penn# *0129/0130*
SCULPTURE V & VI
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Sculpture III & IV
Weight: 4.0 DOE# 4044
Course Description:
Application, and 2nd semester enrollment required. This course is a continuing study of sculptural principles and techniques emphasizing the development of an individual style. Student assignments may include: realistic clay bust, alabaster sculpture, wax sculpture, found objects in metal, plaster, and casting of the human form, wood carving, glass creations etc…

Penn# 0131/0132
SCULPTURE VII & VIII
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Sculpture V & VI
Weight: 4.0 DOE# 4044
Course Description:
Application, and 2nd semester enrollment required. This course is an advanced study of sculpture principles and techniques emphasizing advanced materials, tools, and sculpting methods.

Penn# 0155/0156
ART HISTORY & ADVANCED ART HISTORY
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Intro to 2-D or 3-D Art recommended.
Weight: 4.0 DOE# 4024 & 4020
Course Description:
Through lectures, slide presentations, videos, guest speakers, and special art projects, art history students will develop an appreciation for art history and cultures. Students will classify major styles of art and artists, and develop a foundation for understanding the historical progression of art. In addition, students will search for meaning and significance in art history by exploring studio techniques and processes related to historical periods.

Penn# 0165
AP® ART HISTORY
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 5.0 DOE# 4025

This course is weighted on a 5.0 scale.

Course Description:

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

Penn# 0167

PRINTMAKING

Semesters: 1 Credits: 1

Grade Level: 10-12

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

Weight: 4.0 DOE# 4066

Course Description:

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

Penn# 0151/0152

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:**/exam_information/2134.html**

Penn# 0153

AP® DRAWING

Semesters: 2 Credits: 2

Grade Level: 12

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

Weight: 5.0 DOE# 4048

Course Description:

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

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

Penn# 0154

AP® 2D ART & DESIGN: PAINTING

Semesters: 2 Credits: 2

Grade Level: 12

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

Weight: 5.0 DOE# 4050

Course Description:

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

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

Penn# 0157/0158

ADVANCED THREE-DIMENSIONAL ART

Semesters: 2 Credits: 2

Grade Level: 11-12

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

Weight: 4.0 DOE# 4006

Course Description:

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

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

Penn# 0175

AP® 3D ART & DESIGN

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisites: Advanced Three-Dimensional Art

Weight: 5.0 DOE# 4052

Course Description:

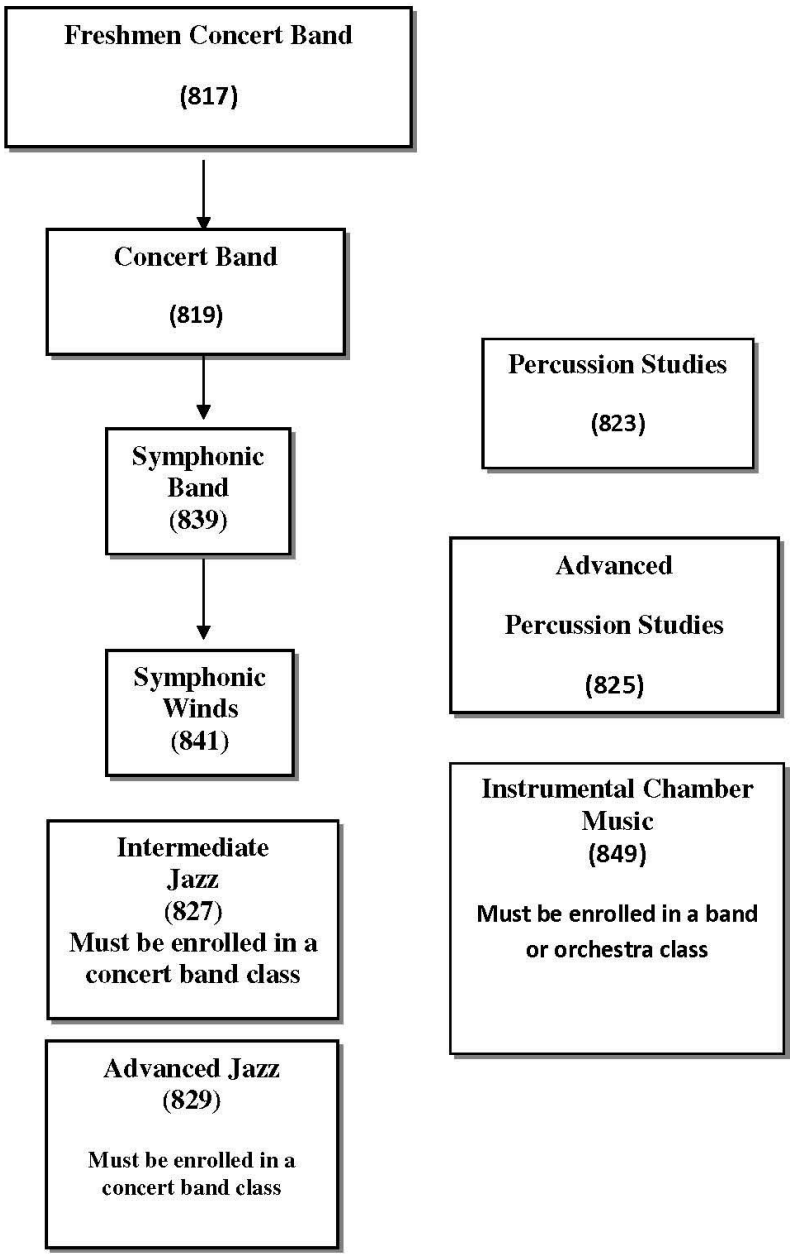
Ceramics or Sculpture. The Advanced Placement® (AP®) Studio Art program enables highly motivated students to do college-level work in studio art while still in high school. Candidates of AP® Studio Art – Senior Year will submit a portfolio of work for evaluation at the end of the semester in either 3-D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

recommended that you reference this link regarding the AP® Studio Art 3-D Design Portfolio: **http://apcentral.collegeboard.com/apc/members/exam/exam_information/2135.html**

Penn# 0169
PORTFOLIO EXIT PROJECT
Semesters: 1 Credits: 1
Grade Level: 11-12
Prerequisite: Teacher Approval
Weight: 4.0 DOE# 4004
Course Description:
Junior or Senior art students who wish to pursue visual art as a career choice in college, are encouraged to enroll in, "Portfolio Exit Project." Topics covered in this course will include: artist statement, written and creatively produced resume´, matted and digitally produced student portfolio of work. All Art Studio majors will present professionally prepared portfolios for review by a committee of art professionals including local artists, college faculty, and local art businesses. Completed portfolios will then be sent to the student's college/institute of choice, as they compete for admittance and scholarship.

Penn# 0800
FINE ARTS CONNECTIONS CAPSTONE
Semesters: 2 Credits: 2
Grade Level: 12
Weight: 4.0 DOE# 4026
Course Description:
This course is for the senior Fine Arts & Communications Academy member who wishes to complete an academy capstone project. A capstone project will focus on the student's interest and/or college and career goals. The Capstone project or recital will be designed by the student and instructor. The instructor will serve as a mentor, guiding the student through the design, planning, execution and evaluation of a relevant capstone project.

Band Course Sequence



BAND

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

Penn# 0817
FRESHMAN INTERMEDIATE CONCERT BAND
Semesters: 2 Credits: 2
Grade Level: 9
Prerequisite: Successful completion of middle school band
Weight: 4.0 DOE# 4168
Course Description:
Freshman Concert Band. This developmental course is open to all freshmen students who play a band instrument at an intermediate level. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. Interested students may audition (in January) for the marching band. The band performs several times during the year.

Penn# 0819
INTERMEDIATE CONCERT BAND
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Any PHM band course
Weight: 4.0 DOE# 4168
Course Description:
Concert Band. This concert band class is open to all Penn students who play a band instrument at an intermediate proficiency or better. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. Interested students may audition (in January) for the marching band. The band performs several times during the year.

Penn# 0839
ADVANCED CONCERT BAND
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Audition
Weight: 4.0 DOE# 4170
Course Description:
Symphonic Band. This advanced concert band class is available by audition to Penn students who play a band instrument at an upper intermediate to advanced level. Emphasis is placed on tone, technique development and sightreading. Advanced performance techniques are emphasized. Participation in the ISSMA Solo/Ensemble contest is encouraged. Serious band literature is selected from a variety of periods in music history. Private lessons are highly encouraged.

Penn# 0841
ADVANCED CONCERT BAND
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Audition
Weight: 4.5 DOE# 4170
Course Description:
Symphonic Winds. This advanced band is considered the top concert band at Penn High School. The band represents Penn High School in public performances and competitions. Advanced performance techniques are emphasized. Serious band literature is selected from a variety of periods of music history. Private lessons are required. All State Band participation is highly encouraged. This ensemble typically performs more concerts than other Penn Concert Bands.

Penn# 0823
PERCUSSION STUDIES
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: Successful completion of three years in Middle School band as a percussionist or currently **enrolled in Percussion Studies**
Weight: 4.0 DOE# 4162
Course Description:
The Intermediate Percussion Studies class is comprised of students who have completed three years of middle school band as a percussionist or have successfully completed previous years of percussion studies. Students meet as a separate class to learn percussion techniques and reading skills for a wide variety of percussion instruments and literature. All students will perform with one of three concert bands (817, 819 or 839) for all concerts and contests. There will be 4-5 required performances throughout the year.

Penn# 0825
ADVANCED PERCUSSION STUDIES ***Semesters: 2 Credits: 2***
Grade Level: 9-12
Prerequisite: Audition
Weight: 4.0 DOE# 4162
Course Description:
The Advanced Percussion Studies class is comprised of students who have completed three years of middle school band as a percussionist or have successfully completed previous years of Intermediate Percussion Studies or Advanced Percussion Studies. Students meet as a separate class to learn percussion techniques and reading skills for a wide variety of percussion instruments and advanced literature. All students will perform with one of two concert bands (839 or 841) for all concerts and contests. There will be several

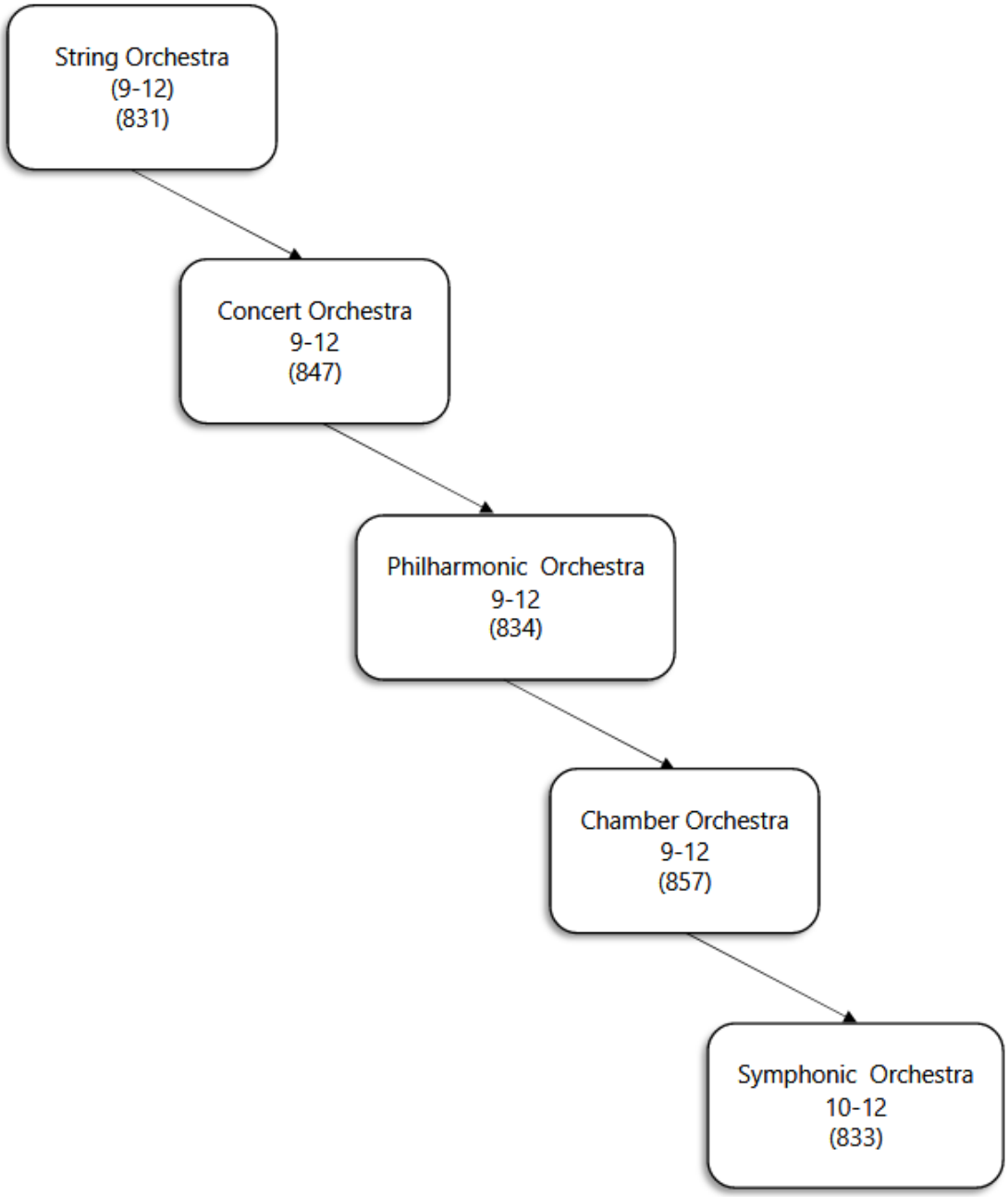
required performances throughout the year. Private lessons are required.

Penn# 0827
INTERMEDIATE JAZZ ENSEMBLE
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisites: Must be enrolled in Symphonic or Concert Band and permission of instructor
Weight: 4.0 DOE# 4164
Course Description:
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
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
INSTRUMENTAL CHAMBER MUSIC
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Audition
Weight: 4.0 DOE# 4162
Course Description:
Emphasis is placed on tone, instrument and bow technique development, sight-reading, and advanced performance techniques. Participation in ISSMA Solo & amp;Ensemble contest is highly encouraged as these activities develop elements of musicianship. Serious string and full orchestra literature is selected from a variety of periods in music history. Students will have opportunities to experience live performances by professional musicians during and outside of the school day. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students will participate in performance opportunities outside of the school day that support and extend learning in the classroom. Students must perform with expression and technical accuracy on a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music and music performances are included. Students are required to attend regularly scheduled evening rehearsals, as well as extra rehearsals, which are designed to insure musically successful performances. Private lessons are strongly encouraged for successful participation in this ensemble. This course is designed to offer advanced instrumental performers an opportunity to study and perform chamber music literature. String Quartet, wind/string combinations, and other chamber literature will be studied, arranged, rehearsed, and performed. These groups could perform many times per year at various places in the community.

Orchestra Sequence



ORCHESTRA

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

Penn# 0831
STRING ORCHESTRA
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: Successful completion of middle school orchestra
Weight: 4.0 DOE# 4172
Course Description:
String Orchestra is for students who play a string instrument at an intermediate level. Emphasis is placed on tone, technique development and sight- reading. Participation in ISSMA Solo/Ensemble contest is highly encouraged as these activities develop elements of musicianship. Music is selected from classical, popular, folk, and new string literature. Private lessons are highly encouraged. A limited number of public performances serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day; these support and extend learning in the classroom. Students must perform, with expression and technical accuracy, a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music and music performances are included.

Penn# 0847
CONCERT ORCHESTRA
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: Audition
Weight: 4.0 DOE# 4172
Course Description:
Concert Orchestra is for Penn students who play a string instrument at an intermediate proficiency or better. Emphasis is placed on tone, technique development and sight-reading. Participation in ISSMA Solo/Ensemble contest is highly encouraged as these activities develop elements of musicianship. Music is selected from classical, popular, folk, and new string literature. Private lessons are highly encouraged. A limited number of public performances serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day; these support and extend learning in the classroom. Students must perform, with expression and technical accuracy, a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music and music performances are included.

Penn# 0857
CHAMBER ORCHESTRA
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
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 & amp;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
Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: Audition
Weight: 4.5 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 Theory and Composition I & II
(10-11-12)
(815)

Music Theory and Composition III
(10-12)
(821)

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

AP Music Theory I & II
(11-12)
(845)

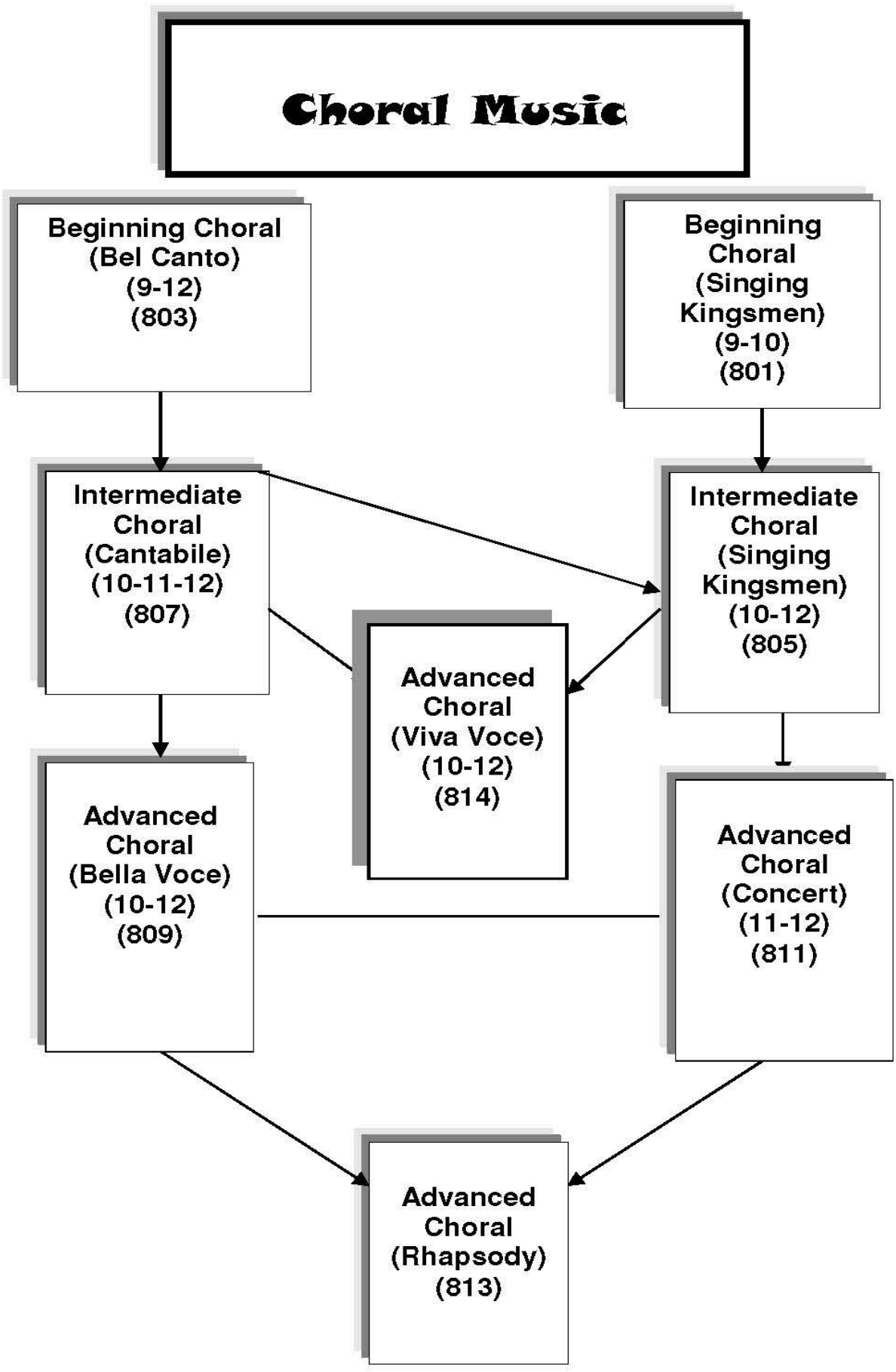
ELECTIVE MUSIC

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 to AP® Music Theory, the student must successfully complete Music Theory I (course numbers 815 & 816), or possess a solid background in the skill areas of rhythm and notation reading (bass clef and treble clef) as well as scales and major key signatures. The focus of study is centered on techniques for aural and written analysis of music literature. All students enrolled in the course will take the Advanced Placement® Music Theory exam in the spring.


Choral Music
Beginning Choral (Bel Canto) (9-12) (803)
Beginning Choral (Singing Kingsmen) (9-10) (801)
Intermediate Choral (Cantabile) (10-11-12) (807)
Intermediate Choral (Singing Kingsmen) (10-12) (805)
Advanced Choral (Viva Voce) (10-12) (814)
Advanced Choral (Bella Voce) (10-12) (809)
Advanced Choral (Concert) (11-12) (811)
Advanced Choral (Rhapsody) (813)

CHORAL MUSIC

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

Penn# 0801
BEGINNING CHORAL
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.0 DOE# 4182
Course Description:
Singing Kingsmen. This boy's course is designed to introduce and develop basic singing techniques, sight-reading skills and basic music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required.

Penn# 0803
BEGINNING CHORAL
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.0 DOE# 4182
Course Description:
Bel Canto Chorus. This course is designed to introduce and develop basic singing techniques, sight-reading skills and basic music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required.

Penn# 0805
INTERMEDIATE CHORAL
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Beginning Chorus-Singing Kingsmen or permission of instructor
Weight: 4.0 DOE# 4186
Course Description:
Singing Kingsmen. This intermediate men's choir is designed to develop intermediate level singing techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required. Student must supply own performance shirt and shoes.

Penn# 0807
INTERMEDIATE CHORAL
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Beginning Chorus or permission of instructor
Weight: 4.0 DOE# 4186
Course Description:
Cantabile Chorus. This intermediate choir is designed to develop intermediate level singing techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. No audition is required.

Penn# 0809
ADVANCED CHORAL
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Audition
Weight: 4.5 DOE# 4188
Course Description:
Bella Voce. This advanced choir studies advanced level singing techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. *Students meet as a class on alternate study hall periods.

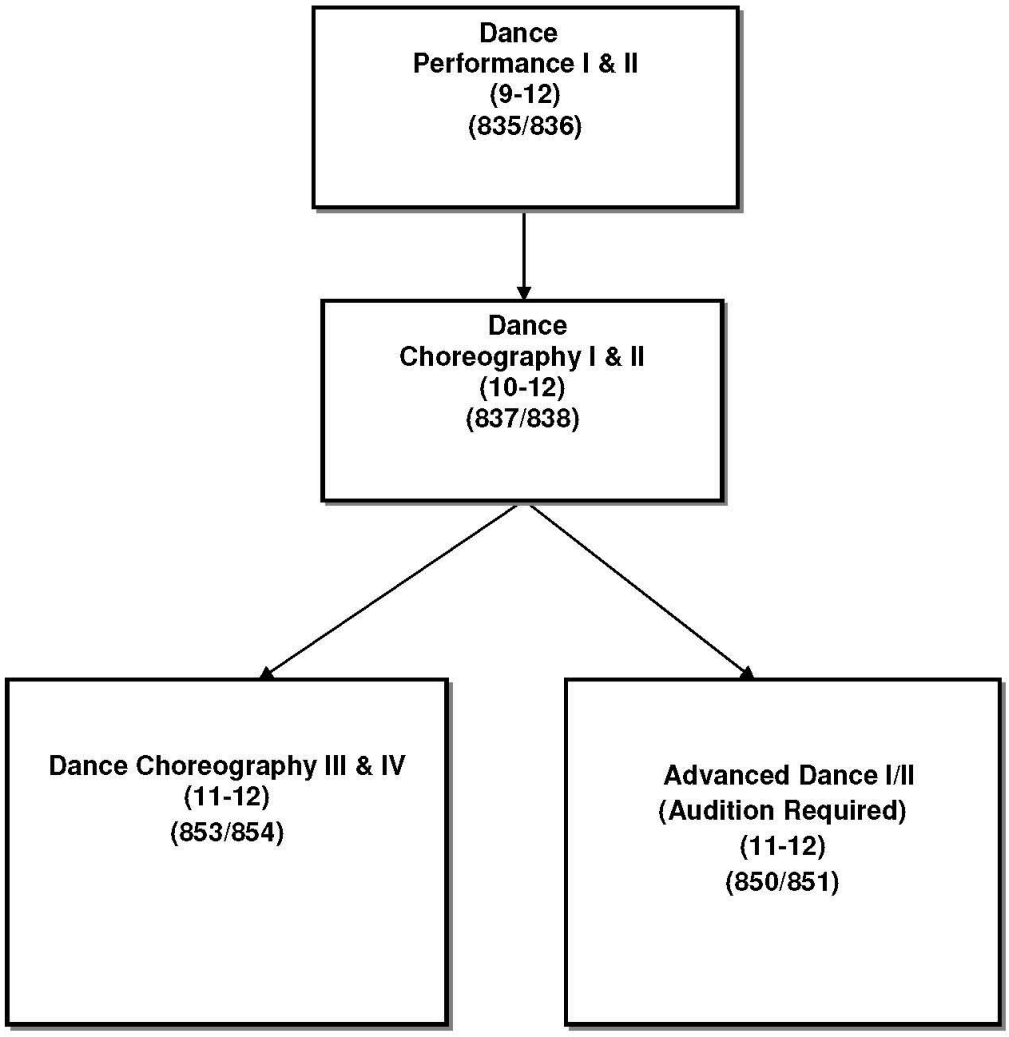
the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Penn# 0811
ADVANCED CHORAL
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Audition
Weight: 4.5 DOE# 4188
Course Description:
Concert Choir. This advanced mixed choir studies advanced singing techniques, sight-reading skills and music theory concepts. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom. *Students meet as a class on alternate study hall periods.

Penn# 0813
ADVANCED CHORAL
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Audition AND enrollment in Bella Voce or Concert Choir
Weight: 4.0 DOE# 4180
Course Description:
Rhapsody. This group of advanced singers performs show, folk and swing music. The group is available for civic and community functions and makes numerous appearances during the year. Students develop the ability to understand and convey

Penn# 0814
ADVANCED CHORAL
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisites: Audition AND enrollment in Singing Kingsmen, Bel Canto Chorus, Cantabile, or Bella Voce
Weight: 4.0 DOE# 4180
Course Description:
VIVA VOCE. This advanced-level choir is a group of 24-36 auditioned singers that also must be enrolled in Concert Choir and/or Women's Chorale. This choir specializes in early/Renaissance music and contemporary music of living composers. Each year, this choir will commission music from composers to write music specifically for this ensemble. Music literacy skills, including sight-singing and rhythmic reading, will be taught alongside music repertoire.

DANCE


Dance
Performance I & II
(9-12)
(835/836)
Dance
Choreography I & II
(10-12)
(837/838)
Dance Choreography III & IV
(11-12)
(853/854)
Advanced Dance I/II
(Audition Required)
(11-12)
(850/851)

DANCE

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

Penn# 0835/0836
DANCE PERFORMANCE I & II
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
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
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
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

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

Penn# 0343/0344
THEATRE ARTS I & II
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
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
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
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
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	Physical Conditioning 10-12 0537/0538 or 0529/0530 (Football)
Swim/Water:	*Lifeguard Training 10-12 0513/0514	*Water Activities 10-12 0521/0522		
Internship:	Lifeguard Internship 11-12 1857 (Full year)			
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	Health Science Ed I: Athletic Training 10-12 0535	Health Science Ed II: Athletic Training 11-12 0557	Health Science Ed II: Physical Therapy 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 fall and winter. Students will complete nutrition, fitness and wellness through interactive physical education in a blended learning environment. Vital knowledge will be conveyed through this learning to stay fit, healthy and happy while creating extended opportunities in class for participation.

ELECTIVE PHYSICAL EDUCATION COURSES

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

Penn# 0537/0538 (for credit)
0551/0552 (for no credit)
0525/0526 ("0"Hour)
0529/0530 (Football)
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 proper work habits and good time management skills. Correct technique for weight training will be introduced and implemented by all students, whether beginners or experienced lifters. Throughout the semester students will gain an understanding of how to develop each muscle group, how to maximize workout benefits, how to monitor and assess progress, and how to achieve personal goals. Near the end of the semester, students will determine and utilize their own muscle fitness routine.
To take course a second time: student must have earned an "A" or "B" in Fitness I the first time.

Penn# 0509 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 surface, and swim 20 yds. back to the starting point, exit without ladder (1 minute, 40 seconds). Swim 5 yds; submerge and retrieve three diving rings placed 5 yds apart in 4-7 feet of water; resurface; and swim 5 yds to the side of pool. This course provides participants with the knowledge, skill, and practice needed to become well-trained and effective lifeguards at pools and at a waterfront environment. Certificates are given.

Penn# 1858 (1857 0 credit)
PENN LIFEGUARD INTERNSHIP (WBL)
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Waterfront lifeguard certification, CPR for the professional lifeguard certification, first aid certification, AED certification.
Weight: 4.0 DOE# 5974
Course Description:
This course is intended to help develop strong skills and work ethic in student lifeguards. Students will be responsible for ensuring the safety of facility patrons by preventing and responding to emergencies. Students will perform lifeguard surveillance, rescue techniques, emergency preparations, and head, neck and back management skills. Students will perform various maintenance duties to meet class standards and the duties of a lifeguard. Students will also be expected to participate in mandatory in-service training. Student interns will be highly recommended for paid lifeguard positions through Penn High School Aquatics.

Penn# 0521 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
eight: 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: Physical Education I & II
Weight: 4.0 DOE# 3560
Course Description:
Advanced Team Sports promotes lifelong physical activity through team sports. Students will incorporate daily fitness into a lifetime routine. This elective will feature advanced fundamentals, techniques, and strategies of the following activities: softball, tennis, flag football, ultimate frisbee, indoor soccer, volleyball, basketball, and recreational sports.
To take a course a second time: student must have earned an “A” or “B” in ATS the first time.
***We do offer a female section as well as the coed option.*

Penn# 0541 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.

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.

Penn# 0535
HEALTH SCIENCE EDUCATION I
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 4.0 DOE# 5282
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# 0535-N
PRINCIPLES OF EXERCISE SCIENCE
Semesters: 2 Credits: 2
Grade Level: 10
Weight: 4.0 DOE# 7320
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
HEALTH SCIENCE EDUCATION II: ATHLETIC TRAINING
2 Semesters 2 Credits Grade Level: 11-12
Prerequisite: Health Science Education I
Weight: 4.0 DOE # 5290
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
HEALTH SCIENCE EDUCATION II: PHYSICAL THERAPY
2 Semesters 2 Credits Grade Level : 11-12

Prerequisite: Health Science Education I

Counts as 3rd science course

Weight: 4.0 DOE # 5215

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

Grade 9

Geography and History of the World (1105)

or

Geography and History of the World Honors (1169)

Grade 10

No Social Sciences requirement (See Electives Below)

Grade 11

United States History (1109)

or

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

or

AP US History (1131)

or

ACP US History (1157/1158)

or

ACP US History/English 11H Seminar (1179/1182/0320) (use 0320 to schedule)

or

AP US History/AP Language and Composition Seminar (1161) (use 0327 to schedule)

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

Grade 12

United States Government (1115/1116)

or

AP US Government (1138)

or

ACP US Government (1139)

and

Economics (1121/1122)

or

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

or

ACP Microeconomics (1183) ACP Macroeconomics (1185)

or

Fundamentals of Economics (IPFW) (1173)

or

AP Comparative Government & Politics (1155) (1 Sem) 12

SOCIAL SCIENCES ELECTIVES

Civics (1151/1152)

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

Anthropology (10-12) (1153/1154)

AP Human Geography (10-12) (1137)

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

AP European History (10-12) (1165)

World History (10-12) (1103)

Intro to GIS (11-12) (1141)

Psychology (11-12) (1125)

Sociology (11-12) (1127/1128)

AP Psychology (11-12) (1135)

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

= 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# 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 U.S. HISTORY
Semesters: 2 Credits: 2
Grade Level: 11
Prerequisite: Must meet I.U. admissions requirement
Weight: 5.0 DOE# 1542
IU- HIST-H 105 American History I / HIST-H 106 American History II
College Credits: 6
Course Description:
This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Although this course is offered to meet Indiana's state standards for US History credit, its applicants must meet guidelines prescribed by Indiana University. Students will earn six credit hours that are accepted at not only Indiana University, but all other state schools as well as over 700 colleges and universities across the country. The student will be awarded a weighted grade for this course. The course will focus on various themes beginning with the age of exploration and continuing through the Reagan presidency. Students will focus on these themes through various strategies including reading primary and secondary sources, and historical writing projects and presentations. ACP United States History is a course that allows

students an in-depth study of the history of our great nation. Students are awarded three credit hours per semester for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit. Students enrolled in ACP US History for IU credit must pay the additional hourly fee assessed by Indiana University to cover the cost of six credit hours. Students receiving free and reduced lunches can have this fee waived. See the ACP US History instructor for more details.

Penn# 1179/0320

ACP US HISTORY and ENGLISH 11 HONORS SEMINAR WITH 1182

Semesters: 2 Credits: 4

Grade Level: 11

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

6 college credits

Weight: 5.0 DOE# 1542/1006

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

Course Description:

This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Students will receive **2 HS Credits in English 11 Honors & 2 HS Credits in ACP US History.** Although this course is offered to meet Indiana's state standards for US History credit, its applicants must meet guidelines prescribed by Indiana University. Students will earn six credit hours that are accepted at not only Indiana University, but all other state schools as well as over 700 colleges and universities across the country. The student will be awarded a weighted grade for the history portion of the class. The course will focus on various themes beginning with the age of exploration and continuing through the Reagan presidency. Students will focus on these themes through various strategies including reading primary and secondary sources, and historical writing projects and presentations. ACP United States History is a course that allows students an in-depth study of the history of our great nation. Students are awarded three credit hours per semester for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit. The course will also develop students' skills in writing, critical thinking, literary analysis, and close reading. Texts that support the historical context will be explored including poetry, short stories, novels, etc. Students will be asked to work individually as well as collaboratively throughout the year.

Penn# 1141 OR 1142

INTRODUCTION TO GIS

Semesters: 1 Credits: 1

Grade Level: 11-12

Prerequisite:* AP® *Human Geography

Weight: 4.0 DOE# 1550

Course Description:

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

Penn# 1167/1168

IVY TECH U.S. HISTORY

Semesters: 2 Credits: 2

Grade Level: 11

Weight: 4.5 DOE# 1542

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

College Credits: 6

Course Description:

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

HIST 102, SURVEY OF AMERICAN HISTORY II - Covers major themes including the post-Civil War period, western expansion, industrial growth of the nation and its effects, immigration and urban discontent and attempts at reform, World War I, the Roaring Twenties, social and governmental changes of the thirties, World War II and its consequences, the growth of the federal government, social upheaval in the sixties and seventies, and recent trends in conservatism, globalization, and cultural diversity.

Penn# 1161 / 0327

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 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

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# 1139

ACP POLITICAL SCIENCE
IU- POLS-Y 103 Introduction to American Politics

Semesters: 1 Credits: 1
Grade Level: 12
Prerequisite: Meet IU admission requirements
College credits: 3
Weight: 5.0 DOE# 1540

Course Description:

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

invited to share the view of the political science researcher looking into the microscope. What makes citizens tick? How do they make decisions? How do people organize themselves and express their various interests? How do they decide what role government ought to play in their lives, and what happens if they disagree about such fundamental issues? Do people make rational decisions when they vote? What does it mean to be rational? Does the democratic process "work"? The course will employ a blended learning format. IU will provide content via video lectures and unit exams. The classroom teacher will provide pedagogical support to facilitate the application, analysis, and evaluation of the content prescribed by I.U. NOTE: Students are awarded three credit hours per semester and a weighted grade for earning a C or better. Students must pay the additional hourly fee assessed by Indiana University to cover the cost of three credit hours. Students receiving free and reduced lunches can have this fee waived. See the ACP Political Science instructor for more details. Naturalization test for citizenship is required.

Penn# 1121 OR 1122
ECONOMICS
Semesters: 1 Credits: 1
Grade Level: 12
Weight: 4.0 DOE# 1514
Course Description:
Economics is a one-semester course of study required for graduation. This course is designed to acquaint students with the basic principles of theory and application. This course of study is designed to increase the student's understanding of different classifications of economic organization; the market system and its functions of production; distribution; and consumption; the general business cycle; and the role of government, labor, business, consumers, banking and credit in the economy.

Penn# 1123/1124
AP® MACRO & MICRO ECONOMICS
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 5.0 DOE# 1564/1566
Course Description:
AP® Economics is a two-semester course of study which fulfills the economic graduation requirement. This course in Macroeconomics and Microeconomics is designed to give students a thorough understanding of the principles of economics. In Macroeconomics students will learn to measure economic performance, national income, price determination, the financial sector, inflation, unemployment, stabilization policies, economic growth, and international trade and finance. In Microeconomics the primary emphasis is on the nature and functions of product markets and the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. There are two AP® tests associated with this course. 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
1 Semester 1 Credit Grade: 11-12
Weight 5.0 DOE# 1514
IU Credit given
This is a Quantitative Reasoning course
Course Description:
ACP 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 MACROECONOMIC
1 Semester 1 Credit Grade: 11-12
Prerequisite: ACP Microeconomics
Weight: 5.0 DOE# 1514
IU Credit given
This is a Quantitative Reasoning course
Course Description:
ACP 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# 1153 OR 1154
ANTHROPOLOGY
Semesters: 1 Credits: 1
Grade Level: 10-12
Weight: 4.0 DOE# 1502
Course Description:
Anthropology gives students perspectives concerning patterns of culture among people. The course introduces the anthropologist's processes of observing and analyzing human behavior. Topics studied include (1) theories and principles of cultural formation, growth, function, and change; (2) the relationship of culture to environment; and (3) the relationship between cultural background and behavior.

Penn# 1180
ETHNIC STUDIES
Semesters: 1 Credits: 1
Grade Level: 9-12
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.

HEALTH & HUMAN SERVICES ACADEMY

CAPSTONE COURSE:

Penn# 1171/1172
SOCIAL JUSTICE SOCIOLOGY & ANTHROPOLOGY
Semesters: 2 Credits: 2
Grade Level: 12
Weight: 4.0 DOE# 1534/1502
Course Description:
Students will receive **1 HS Credit in Sociology & 1 HS Credit in Anthropology.** Gandhi said, "Be the change you wish to see in the world" as he recognized the need to improve the world in which he lived. Social justice provides this opportunity to look at social and cultural issues locally, nationally, and globally. Sociology will focus on the society in which we live by examining topics such as inequalities of race and ethnicity, gender and age, social status, and culture. The course expands beyond the United States to look at anthropology, the science of humankind. Specific focus will be put on culture including education, political/economic institutions, religion, and family. Various traditions, beliefs, values, social institutions, art, and the impact of humans on other humans will be considered. During the duration of the course students are required to go outside of the classroom and do as Gandhi said by providing service to others. An intricate element of the course is to apply the knowledge learned in class to others locally, nationally, and globally through service learning.

Penn# 1151 OR 1152
CITIZENSHIP AND CIVICS
Semesters: 1 Credits: 1
Grade Level: 9-12
Weight: 4.0 DOE# 1508
Course Description:
Citizenship & Civics is an overview of citizenship roles and responsibilities designed to help students become independent thinkers and conscientious citizens. This course deals with political trends and behavior which citizens consider relevant to the most pressing issues of the day.

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# 1129 OR 1130
CURRENT PROBLEMS, ISSUES, AND EVENTS
Semesters: 1 Credits: 1
Grade Level: 10-12
Weight: 4.0 DOE# 1512
Course Description:
Major issues facing America and the world are the focus of the course: for example, the economy, constitutional questions, energy policy, the environment, poverty, education, defense, foreign affairs, terrorism, and trade. The course will examine both events in the daily news and ongoing current issues. Students will read about topics, view special news programs, and discuss the issues that arise from these activities. Group projects, written analysis, and oral reports will also be required. Text covering various topics, as well as history textbooks, magazines and newspaper articles, television programs, and the IMC will all serve as main sources for study.

Penn# 1155
AP® COMPARATIVE GOVERNMENT & POLITICS
Semesters: 1 (2nd Sem. only)
Credits: 1
Grade Level: 12

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# 1175 OR 1176

LAW EDUCATION

Semesters: 1 Credits: 1

Grade Level: 11-12

Prerequisite: US Government or approval

Weight: 4.0 DOE# 1526

Course Description:

Law Education provides an understanding of the American legal system and its basis in the United States Constitution. The course is designed to promote an understanding of society and its system of laws by indicating how citizens may effectively function within the law. Units of study will include Constitutional law, criminal law, and civil law. Ways of dealing with interpersonal conflict in order to secure constructive change are included, along with the development of critical thinking and problem solving skills. Case studies, field trips, simulations, and mock trials will be used in this course whenever feasible.

Penn# 1177

AP® COMPARATIVE GOVERNMENT & POLITICS

2 Semesters 2 Credits

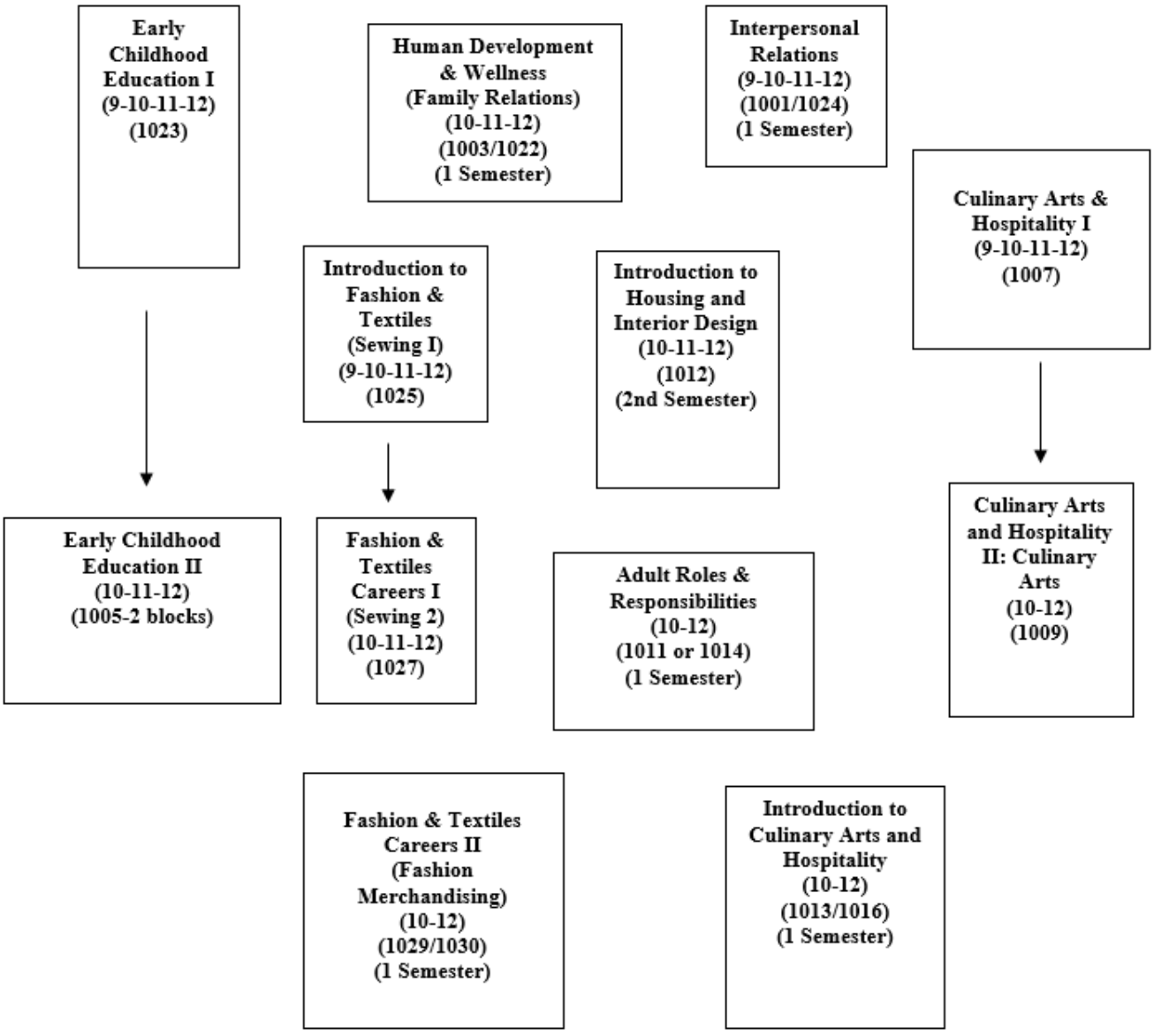
Grade Level: 10-12

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.1 By using these six countries, the course can move the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings. This course does not fulfill US Govt requirement.

FAMILY & CONSUMER SCIENCES



FAMILY AND CONSUMER SCIENCE EDUCATION

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# 1023
PRINCIPLES OF EARLY CHILDHOOD EDUCATION
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
Semesters: 2 Credits: 4
Grade Level: 10-12
Prerequisite: Early Childhood Education I
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 more than 60 hours. Penn's Playschool 2 offers an additional 60+ hours of work with pre-school age children. This is an excellent course for students with interest in education and related career paths.

Penn# 1003 OR 1022
HUMAN DEVELOPMENT AND WELLNESS
Semesters: 2 Credits: 2
Grade Level: 10-12
Counts as Health & Wellness requirement with 2 other courses
Weight: 4.0 DOE# 5366
Course Description:
This course is designed to help guide the student in making family and life decisions currently and in the future. Changing roles in society and relationships with others are examined with emphasis on preparation for marriage. The responsibilities of family members, preventing problems in marriage, preventing divorce, and how to handle family crises effectively are also studied.

Penn# 1017
HUMAN AND SOCIAL SERVICES I
Semesters: 2 Credits: 2
Grade Level : 11-12
Weight: 4.0 DOE# 5336
Course Description:
An introductory/exploratory course for students interested in careers in human and community services and other helping professions. Areas of exploration include family and social services, youth development, and adult and elder care, and other for-profit and non-profit services.

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.

Penn# 1007
CULINARY ARTS & HOSPITALITY I
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 4.0 DOE# 5440
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# 1007-N
PRINCIPLES OF CULINARY & HOSPITALITY
Semesters: 2 Credits: 2
Grade Level: 9-10
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 & HOSPITALITY II: Culinary Arts
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Culinary Arts & Hospitality I
Weight: 4.0 DOE# 5346
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# 1009-N
CULINARY ARTS
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisite: Culinary Arts & Hospitality I
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# 1025
INTRODUCTION TO FASHION & TEXTILES
Semesters: 2 Credits: 2
Grade Level: 11-12
Counts as a fine arts requirement
Weight: 4.0 DOE# 5380
Course Description:
Sewing**.** This course has a project-based approach that integrates instruction and laboratory experiences including application of selection, production, alteration, repair, and maintenance of apparel and textile products. Emphasis on helping the student interpret and follow instructions from commercial patterns to wearable and non-wearable projects is also included. This course is hands on sewing and it will be necessary for the student to complete a minimum of four projects with supplies purchased by the student. Students provide their own fabric and supplies for projects.

Penn# 1025-N
PRINCIPLES OF FASHION & TEXTILES
Semesters: 2 Credits: 2
Grade Level: 9-10
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.

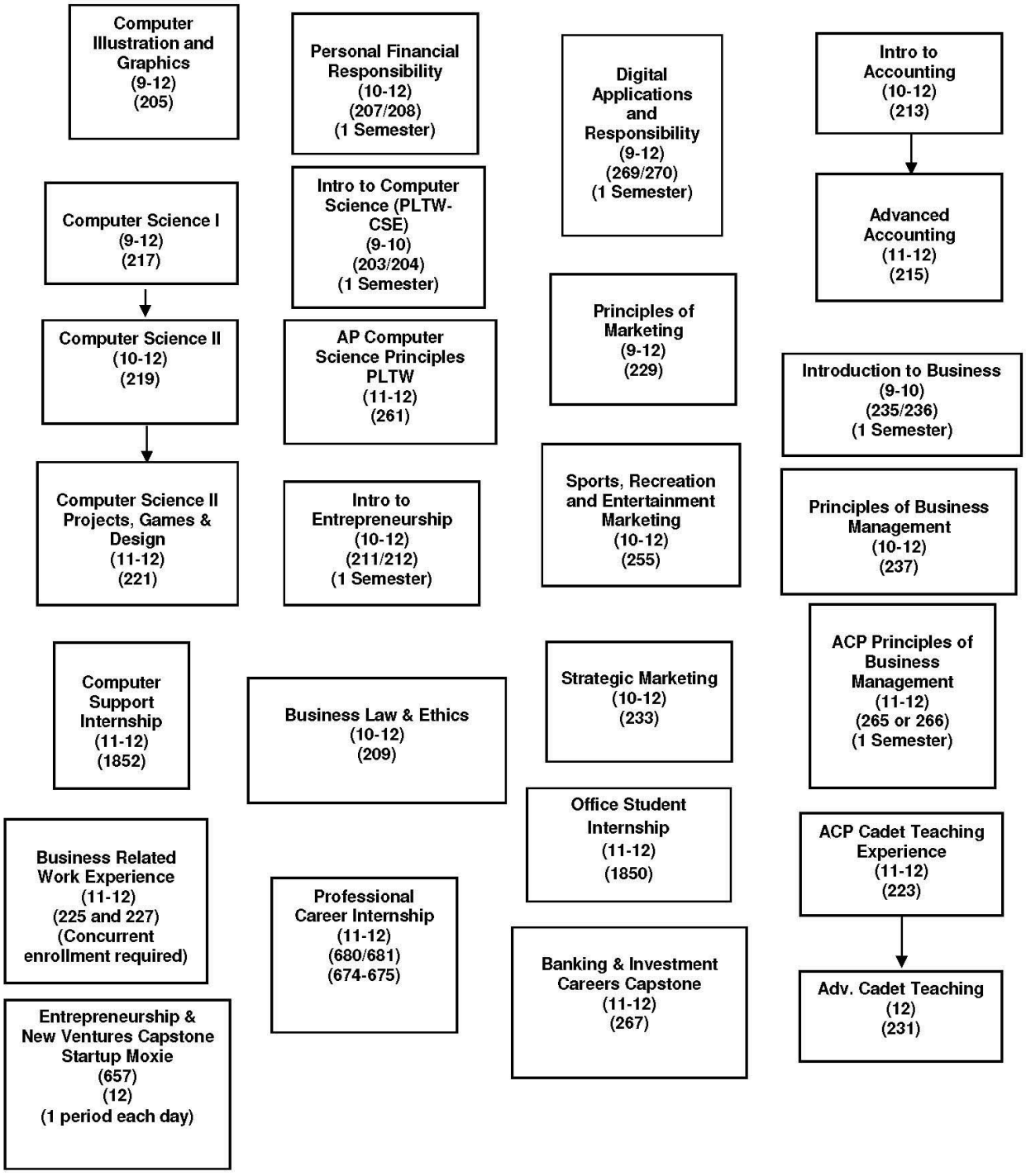
Penn# 1027
FASHION & TEXTILES CAREERS I
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Introduction to Fashion & Textiles
Weight: 4.0 DOE# 5420
Course Description:
Sewing**.** Fashion and Textiles Careers prepares students for occupations and higher education programs of study related to fashion, apparel, and other textiles management, production, and services. Extensive sewing and tailoring is included in this higher level. Expect to sew daily and to purchase required tools, fabric and notions for projects.

Penn# 1027-N
TEXTILES, APPAREL & MERCHANDISING
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisite: Introduction to Fashion & Textiles
Weight: 4.0 DOE# 5420
Course Description:
Sewing**.** Textiles, Apparel & Merchandising prepares students for occupations and higher education programs of study related to fashion, apparel, and other textiles management, production, and services. Extensive sewing and tailoring is included in this higher level. Expect to sew daily and to purchase required tools, fabric and notions for projects.

Penn# 1029
FASHION & TEXTILES CAREERS II
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Fashion & Textiles Careers I
Weight: 4.0 DOE# 5421
Course Description:
This is a specialized marketing course providing instruction in the marketing of apparel and accessories of all kinds. Emphasis is placed on oral and written communications, problem solving and critical thinking skills as they relate to apparel design, selling, pricing, distribution, fashion promotion, visual merchandising, fashion cycles, fashion theories, and career opportunities in the fashion industry. Instructional strategies may include a school-based enterprise, computer/technology applications, real and/or simulated occupational experiences, and projects in the marketing functions.

Penn# 1013 OR 1016
INTRODUCTION TO CULINARY ARTS & HOSPITALITY
Semesters: 1 Credits: 1
Grade Level: 9-12
Weight: 4.0 DOE# 5438
Course Description:
Hospitality Management prepares students for employment in the hospitality industry. It provides the foundations for study that leads to a full spectrum of hospitality careers. This is a broad-based course that introduces students to all segments of hospitality, what it includes, and career opportunities that are available exposes students to current trends and current events within the industry. Some goals of this course are for students to able to: identify current trends in hotel and service industry, distinguish the difference between hospitality and tourism, and understand sales and merchandising from both a tourist and occupational point of view.

BUSINESS-MANAGEMENT & BUSINESS ACADEMY



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

BUSINESS-MANAGEMENT & BUSINESS ACADEMY

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# 0205
COMPUTER ILLUSTRATION AND GRAPHICS
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.0 DOE# 4516
Course Description:
Students are introduced to the computer's use in visual communication. The focus of the course is on basic computer terminology and use, mastering fundamental skills, and developing efficient working styles. These skills are then developed by creating work with imaging, drawing, interactive and page layout software. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials and instructional manuals. This course also covers advertising theory and preparations of copy, lettering, posters, vector illustrations, graphics and logos, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design products that impart information and ideas. Advanced instruction might include experiences in silk screening and airbrush techniques as well as activities in designing product packaging and commercial displays or exhibits.

Penn# 0229
MARKETING FUNDAMENTALS
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# 0255
SPORTS & ENTERTAINMENT MARKETING
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisites: Principles of Marketing
Weight: 4.0 DOE# 5984
Course Description:
Students taking this course will build upon their prior knowledge of marketing and learn how to apply it directly to sports, recreation and entertainment industries. Students will apply what they are learning directly to marketing sports and entertainment activities here at Penn High School for a more hands-on learning experience. Optional participation in the Career and Technical Student Organization of DECA will be made available.

Penn# 0233
STRATEGIC MARKETING
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Principles of Marketing or DECA Membership
Weight: 4.0 DOE# 5918
Course Description:
Recommended for all DECA students. A continuation and expansion on the Marketing class. In this class we will explore the marketing mix in more detail and

work with local companies with real marketing problems. Students will be responsible for more hands-on projects and critical thinking about marketing for businesses, careers in marketing and how entrepreneurs need and use marketing. Students will be conducting different forms of marketing research, creating an in-depth marketing plan for an existing company, and producing effective advertising campaigns. Voluntary Membership in a Marketing Club (DECA).

Penn# 0207 OR 0208
PERSONAL FINANCIAL RESPONSIBILITY
Semesters: 1 Credits: 1
Grade Level: 10-12
Weight: 4.5 DOE# 4540
Ivy Tech- BUSN 108 Personal Finance
College Credits: 3
Course Description:
This is a personal finance course that introduces students to banks and the use of banking services (checking accounts, savings accounts, etc.) It also introduces students to the world of credit, how to use credit and the actual costs of using credit. Students will also be introduced to insurance. Students will learn about vehicle, banking, homes, budget, debt and investments.

Penn# 0237
PRINCIPLES OF BUSINESS MANAGEMENT
Semesters: 2 Credits: 2
Grade Level: 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.

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# 4560
Course Description:
Business and Personal Law is a business course that provides an overview of the legal system. Topics covered include: Basics of the Law, Contract Law, Employment Law, Personal Law, and Consumer Laws and Rights. Both criminal and civil trial procedures are presented. Instructional strategies should include mock trials, case studies, field trips, guest speakers, and Internet projects.

Penn# 0235 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# 0213
ACCOUNTING FUNDAMENTALS
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
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Introduction to Accounting,Principles of Business Management; Accounting Fundamentals
Quantitative Reasoning Course
Weight: 4.0 DOE# 4522
Course Description:
This course is designed for the student who plans to begin work following high school graduation or for the student who plans to continue his or her education beyond high school. Students have the opportunity to develop employable skills as an accounting clerk. Students gain a deeper knowledge of accounting which is highly useful for those who plan to major in accounting or some other area of business at the college level. The student will learn to interpret and analyze all types of financial statements. Students will obtain a broad understanding of business activities and develop decision-making skills. Students will be provided with the opportunity to apply accounting practice and theory on automated computer systems. It provides knowledge that can be applied in the workforce or education beyond high school. Business software programs such as: Microsoft Excel along with QuickBooks will be implemented into this course. Course provides students with advanced accounting knowledge and skills needed for college degrees in business. Membership into the Accounting Club.

Penn# 1850
OFFICE STUDENT INTERNSHIP (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# 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.

Penn# 0217
COMPUTER SCIENCE I
Semesters: 2 Credits: 2
Grade Level: 11-12
Counts as 3rd science course
Weight: 4.5 DOE# 4801
Ivy Tech- SDEV 120 Computing Logic
College Credits: 3
Course Description:
This course is designed for students with no previous programming experience, who are good problem solvers, who have acquired basic Windows skills and are interested in computer science or related career fields. This course will help students

learn how to plan, create and debug their own interactive Windows applications and games using the programming language, Visual Basic 2012.

Penn# 0217-N
CS PRINCIPLES OF COMPUTING
Semesters: 2 Credits: 2
Grade Level: 9-10
Counts as 3rd science course
Weight: 4.5 DOE# 7183
Ivy Tech- SDEV 120 Computing Logic
College Credits: 3
Course Description:
This course is designed for students with no previous programming experience, who are good problem solvers, who have acquired basic Windows skills and are interested in computer science or related career fields. This course will help students learn how to plan, create and debug their own interactive Windows applications and games using the programming language, Visual Basic 2012.

Penn# 0219
COMPUTER SCIENCE II
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Computer Science I
Counts as 3rd science course
Weight: 4.5 DOE# 5236
Ivy Tech- SDEV 140 Introduction to Software Development
College Credits: 3
Course Description:
This course is designed for students with a greater interest in computer science and related career fields. This course will develop and explore various techniques from previous programming classes and apply them using the programming language, C++ in a console environment using Visual Studio.

Penn# 0219-N
TOPICS IN COMPUTER SCIENCE
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Computer Science I
Counts as 3rd science course
Weight: 4.5 DOE# 5236
Ivy Tech- SDEV 140 Introduction to Software Development
College Credits: 3
Course Description:
This course is designed for students with a greater interest in computer science and related career fields. This course will develop and explore various techniques from previous programming classes and apply them using the programming language, C++ in a console environment using Visual Studio.

Penn# 0221
COMPUTER SCIENCE III: PROJECTS, GAMES, & DESIGN
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Computer Science II or Teacher Approval
Weight: 4.0 DOE# 5252
Course Description:
This course is designed for students with a serious interest in computer science and related career fields. This course will continue to develop various techniques from previous programming classes. Students will explore C# and work on game development using current frameworks and toolkits such as Unity and Visual Studio. Students have the opportunity to design unique projects in teams and individually.

Penn# 0222
COMPUTER SCIENCE III: CYBERSECURITY
2 Semesters 2 Credits Grade: 11-12
Prerequisites: Computer Science I
Counts as 3rd science course
Weight: 4.0 DOE# 5253
Course Description:
Computer Science III: Cybersecurity 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# 0222-N
College Credits: 3
Course Description:NETWORKING & CYBERSECURITY OPERATIONS
2 Semesters 2 Credits Grade Level: 10-12
Pre/Corequisites: IT Support II
Counts as 3rd science course
Weight: 4.0 DOE# 5253
Course Description:
Computer Science III: Cybersecurity 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# 0615
INFORMATION TECHNOLOGY SUPPORT I
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 4.5 DOE# 5230
Ivy Tech- INFM 109 Informatics Fundamentals & ITSP 135 Hardware/Software Support
College Credit: 7
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# 0615-N
IT PRINCIPLES OF COMPUTING
Semesters: 2 Credits: 2
Grade Level: 9-10
Weight: 4.5 DOE# 7183
Ivy Tech- INFM 109 Informatics Fundamentals & ITSP 135 Hardware/Software Support
College Credit: 7
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 SUPPORT II: CAPSTONE
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Information Technology Support I
Weight: 4.0 DOE# 5231
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# 1852-N
INFORMATION TECHNOLOGY FUNDAMENTALS
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: Information Technology Support I, Principles of Computing
Weight: 4.0 DOE# 7180
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# 0239
NETWORKING I
2 Semesters 2 Credits Grade Level: 10-12
Prerequisites: IT Support II
Weight: 4.5 DOE# 5234
IVY TECH - NETI 105 or NETI 115
Course Description:
Students are introduced to local and wide area networks, home networking, the IEEE/OSI Model, network protocols, transmission media and network architecture/ topologies. Security and data integrity are introduced and emphasized throughout this course, which offers students the critical information needed to successfully move into a role as an IT professional supporting networked computers.

Penn# 0223
ACP CADET TEACHING: EDUCATION PROFESSIONS I
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 5.0 DOE# 5408
IU- EDUC-F 200 Examining Self As Teacher OR
Ivy Tech- EDUC 101

This elective course provides students in grades eleven (11) or twelve (12) organized exploratory teaching experiences in grades kindergarten (K) through grade nine (9). All teaching experiences are preplanned by the high school teacher and the cooperating teacher(s) who are interested in supervising prospective teachers. This course provides a balance of class work relating to: (1) classroom organization, (2) classroom management, (3) the curriculum and instructional process, (4) observations of teaching, and (5) instructional experiences. Students will explore a variety of issues. Self-exploration will be blended with concrete analysis of the teaching profession. Teaching will be scrutinized from diverse perspectives, integrating key concepts with real life experiences. Teaching methods will be incorporated in the course to permit students to encounter different methods of learning. After completing a series of in-class

preparations and assignments, students will be matched with PHM teachers for a cadet teaching experience. While with the teacher they: assist with group work, class presentations, bulletin boards, library work, individual help, reading assignments, and many other areas. It is a hands-on learning environment. *Students who qualify and successfully complete the course may receive three (3) college credits from Indiana University Bloomington or IUSB (Indiana University South Bend). The college credit will be granted, at a reduced tuition rate. It is the choice of the student to take the class for high school credit only or for both high school and college credit. Students are not required to pay the college tuition, if they choose the high school credit only option. Students must have a GPA of 2.7 to receive college credit.* Students Must Provide Their Own Transportation to Elementary and Middle Schools. Students will be visiting all schools in the district set up by teacher first semester.

Penn# 0231
ADVANCED CADET TEACHING: EDUCATION PROFESSIONS II
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Education Professions I, ACP Cadet Teaching Experience & Teacher Approval
Weight: 4.0 DOE# 5404
Course Description:
Students will be placed in various schools within the PHM Corporation for the entire year. Assignments are completed outside of class and turned in on the due date which is cited on the course syllabus. This course is offered first block and or second block of each day. Students Must Provide Their Own Transportation to Elementary and Middle Schools.

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

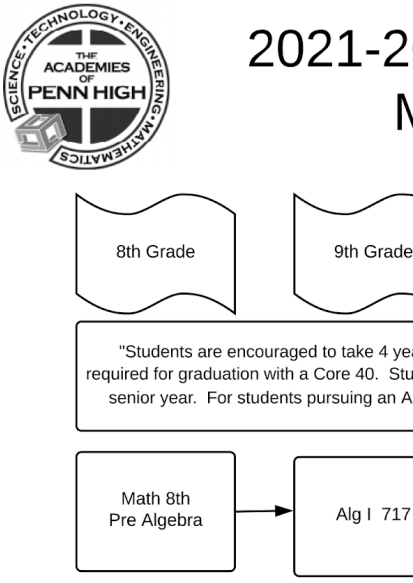
Penn# 0657 (with 0658)
ENTREPRENEURSHIP AND NEW VENTURES CAPSTONE
Semesters: 2 Credits: 4
Grade Level: 12
Prerequisites: Introduction to Entrepreneurship AND Digital Applications and Responsibility AND Application, Any CTE Concentrator Sequence except Entrepreneurship
Weight: 4.5 DOE# 5966
Ivy Tech ENTR 101 The Entrepreneur and the Enterprise & ENTR 105 Entrepreneurial Marketing and Market Research
College Credits: 6
Course Description:
This class meets first block every day. This is an off-site experience that is run through St. Joe County Startup Moxie Program. The class meets every day from 7:30-9:00. The class meets at various locations throughout the year. Applications can be found at www.moxieinthemaking.org.
Entrepreneurship and New Ventures Capstone introduces entrepreneurship, and develops skills and tools critical for starting and succeeding in a new venture. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept,

feasibility analysis, and "go to" market strategies will be explored through mini-case studies of successful and unsuccessful entrepreneurial start-ups. Additionally, topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising startup funding, sales and revenue forecasting, and business plan development will be presented through extensive use of word processing, spreadsheet and presentation software. Students are paired up with a mentor from the St. Joseph County business community; students are immersed in real-life learning experiences with the opportunity to take risks, manage the results, and learn from the outcomes. Students can take a second period study hall (use 0658) along with this course.

Penn# 0265 OR 0266
ACP PRINCIPLES OF BUSINESS MANAGEMENT
Semesters: 1 Credits: 1
Grade Level: 11-12
Prerequisite: Meet IU admission requirements
IU- BUS-B 190 Principles of Business Admin
College Credits: 3
Weight: 5.0 DOE# 4562
Course Description:
Principles of Business Administration is a college-level course that prepares students to plan, organize, direct and control the functions and processes of a firm or organization and to perform business-related functions. Students are provided opportunities to develop attitudes and apply skills and knowledge in the areas of business administration, management, and finance. Individual experiences will be based upon the student's career and educational goals. Students enrolled in ACP Principles of Business Administration will have the opportunity to earn college credit through IU at a reduced tuition cost.

Penn# 0267
BANKING & INVESTMENT CAPSTONE
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite:Principles of Business Management*; Personal Finance and Banking or Accounting Fundamentals
Weight: 4.0 DOE# 5258
Course Description:
Banking and Investment Careers addresses the need of schools in areas that have workforce demand in the finance industry. It analyzes and synthesizes high-level skills needed for a multitude of careers in the banking and investment industry. Students learn banking, investment, and other finance fundamentals and applications related to financial institutions, business and personal financial services. The course provides students with work based learning experiences to acquire and apply knowledge and skills in one or more careers in the industry.

Penn# 0261
AP® COMPUTER SCIENCE PRINCIPLES (PLTW CSP*)*
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Introduction to Computer Science OR Computer Science I
Counts as a math course
Counts as 3rd science course
Weight: 5.0 DOE# 4568
Course Description:
The AP® Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life.



MATHEMATICS

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 II (0724)
Weight: 4.0 DOE# 2532
Course Description:
The Mathematics standards for Geometry are made up of 5 strands: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. Algebra skills will be reviewed and remediated in this course.

Penn# 0726
GEOMETRY ACCELERATED 10
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Algebra II (0724)
Weight: 4.0 DOE# 2532
Course Description:
The Mathematics standards for Geometry are made up of 5 strands: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. Algebra skills will be reviewed and remediated in this course.

Penn# 0724
ALGEBRA II
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Algebra I
Weight: 4.0 DOE# 2522
Course Description:
The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. Students who complete this course will enroll in Geometry 728.
A scientific calculator is required and students will gain experience using the graphing calculator.

Penn# 0710
ANALYTICAL ALGEBRA II
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Algebra I
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
COLLEGE ALGEBRA
Semesters: 2 Credits: 2
Grade Level: 11-12
3 College Credits can be earned
Prerequisites: Algebra II and Geometry
Weight: 4.5 DOE# 2564
IVY TECH- MATH 136 College Algebra
Course Description:
This course is designed for students that need additional work in Algebra before attempting Pre-calculus. College Algebra – Ivy Tech 136 presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and exponential and logarithmic functions. Ivy Tech Credit may be earned. Topical areas of study include: Quadratic, polynomial, rational and radical equations, Complex Numbers, Exponential and logarithmic functions, Radicals and rational expressions, Graphs of equations and functions, Variation, and Systems of equations.

Penn# 0759
FINITE MATH
Semesters: 2 Credits: 2
Grade Level: 12
IVY TECH- MATH 135 Finite Math

3 College Credits can be earned
Prerequisite: Algebra II and Geometry or Pre-Calculus
Weight: 4.5 DOE# 2530
Course Description:
This course is designed for college bound students. Topics include solving and graphing linear equations and inequalities, elementary set theory, matrices and their applications, linear programming, and elementary probability. This is a standard finite mathematics course.

Penn# 0753
PRE-CALCULUS
Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: Algebra II and Geometry
Weight: 4.0 DOE# 2564
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: 4.0 DOE# 2566
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: 4.0 DOE# 2564
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: 4.0 DOE# 2566
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
PRE-CALCULUS HONORS
Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: Algebra II Honors
Weight: 4.0 DOE# 2564
Course Description:
Also Register for 0738. Pre-Calculus is an Honors course that extends the foundation of algebra and functions developed in previous courses to new functions and to a more advanced level. Pre-Calculus is made up of the following strands: Complex Numbers, Functions, Quadratic, Polynomial and Rational Equations and Functions, Exponential and Logarithmic Equations and Functions. This course is designed to provide students with a strong foundation for Calculus. This course is preparing the students for AP® Calculus AB and for students who expect math to be a major component of their college courses. A scientific calculator is required and a graphing calculator is highly recommended.

Penn# 0738
TRIGONOMETRY HONORS
Semesters: 1 Credits: 1
Grade Level: 10-12
Prerequisite: Algebra II Honors
Weight: 4.0 DOE# 2566

Course Description:
Also register for 0733. Trigonometry is an Honors course that provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry consists of: Conics, Unit Circle, Periodic Functions, Identities, Polar Coordinates and Vectors. Trigonometry provides the foundation for common periodic functions that are encountered nearly all STEM disciplines. This course is preparing the students for AP® Calculus AB.

Penn# 0787
ACP BRIEF SURVEY OF CALCULUS I ***Semesters: 2 Credits: 2***
Grade Level: 11-12
Prerequisite: Pre-Calculus AND meet IU admission requirements
Weight: 5.0 DOE# 2527
IU- MATH-M 119 Brief Survey of Calculus I
College Credits: 3
Course Description:
This course is an in-depth study of functions, graphs, limits, continuity, derivatives, and integrals of those functions and their applications. It provides rigorous instruction in mathematical modeling concepts and skills presented in the context of real-world applications. It may be taken for college credit for students pursuing a liberal arts program in college. *NOTE: In order to receive weighted credit on transcripts, students must successfully complete both semesters of the course and take the I.U. final exam.* An hourly fee for 3 credits will be assessed by Indiana University for students opting for college credit.

Penn# 0765
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-M 215 Calculus I
College Credits: 5
Course Description:
This is a college Calculus course, which is comparable to the length and difficulty of a first semester college calculus course. It is an in-depth study of functions, limits, graphs, continuity, derivatives, and integrals of those functions and their applications. Students who apply, qualify and successfully complete the course will receive five Indiana University credits that may be transferable to other colleges. *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-M 216 Calculus II
College Credits: 5
Course Description:
This course is an in-depth study of advanced techniques in integration, volumes of solids of revolution, sequences and series. Students who qualify and successfully complete the course will receive five Indiana University credits that may be transferable to other colleges. *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

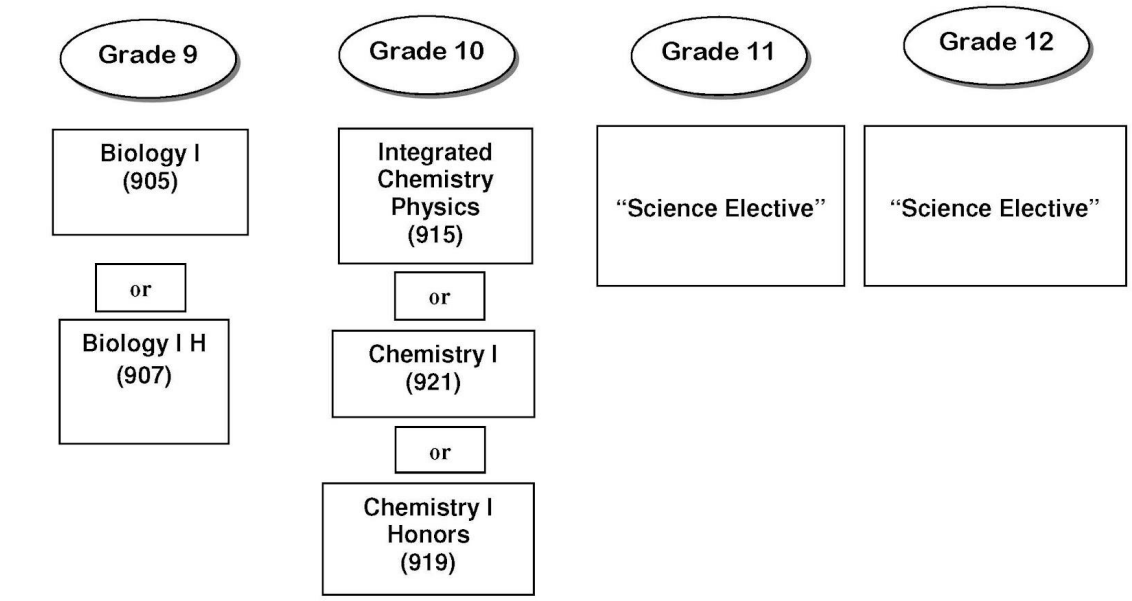
with Equations; Linear and Exponential Relationships; Descriptive Statistics; Expressions and Equations; and Quadratic Functions and Modeling. However, whereas Algebra I contains exclusively grade-level content, Algebra I Lab combines standards from high school courses with foundational standards from 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# 0773
MATH 10
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Must have attempted Algebra 1
Weight: 4.0 DOE# 2531
Course Description:
Math 10 is a two-semester course designed to reinforce and elevate the Algebra 1 and 7th and 8th grade geometry knowledge and skills necessary for students to successfully complete high school mathematics courses beyond Algebra 1 and essentials for passing the state's graduation qualifying exam in mathematics. Enrollment will be contingent upon diagnostic results of performance in Algebra I and/or mathematics competency assessments. The standards for this course are aligned to the state standards that students need to master for success with the state's graduation qualifying exam in mathematics and the next level math courses.
Counts as a Mathematics Course for the General Diploma only or as an Elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

Penn# 0739
CCR BRIDGE: MATH
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Algebra II 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



Science Electives

LIFE SCIENCES

- Environmental Science (943)
- AP Environmental Science (945)
- PLTW Principles of Biomedical Sciences (PBS) (909)
- PLTW Medical Interventions (961)
- PLTW Biomedical Innovation (967)
- Anatomy & Physiology (913)
- AP Biology (935)
- ACP Biology (965)
- Science Research (953)
- PLTW Human Body Systems (HBS) (911)

PHYSICAL SCIENCES

- Astronomy (925)
- Earth and Space Science (941)
- Forensic Science (951/952)
- Nanotechnology (949/950)
- Oceanography (955)
- Science Research (953)
- Chemistry II (923)
- AP Chemistry (937)
- Physics I (929)
- Physics II (933)
- AP Physics I-C (963)
- AP Physics II-C (947)

= 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
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-L 100 Humans and the Biological World
College Credits: 3
Course Description:
This college-level course emphasizes how biology has both personal and global implications in human lives. It examines central themes of biology including biochemistry, genetics, evolution, ecology, and human physiology. Students taking this course will investigate biological concepts while developing critical thinking and problem solving skills. This course meets Indiana University biological departmental standards. To earn five college credits a student must enroll following the IU-ACP application procedure, make a necessary tuition payment, and earn a C or better in the class. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0913
ANATOMY AND PHYSIOLOGY
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Biology I and Chemistry I
Weight: 4.0 DOE# 5276
Course Description:
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
Course Description:
Integrated Chemistry-Physics is a course focused on the following core topics: motion and energy of macroscopic objects; chemical, electrical, mechanical and nuclear energy; properties of matter; transport of energy; magnetism; energy production and its relationship to the environment and economy. Instruction will focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures. The course will prepare students to complete future coursework in Chemistry I and Physics I. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0921

CHEMISTRY I
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisites: Biology I and Algebra I
Weight: 4.0 DOE# 3064
Course Description:
Chemistry lets you understand the world around you. It helps you to understand what you eat, what you wear, and what you observe. It is often called the central science as it connects many other sciences. In this course you will study matter, energy, counting and measuring atoms and their compounds, atomic structure and chemical reactions. The concepts will be presented through laboratory experiments that will involve making observations and predictions, collecting data, analyzing data, and communicating results. Problem solving skills, critical thinking and multiple representations of knowledge will be stressed. Upon successful completion of this course and if you are planning a career in a health, medical or STEM field, you are strongly encouraged to take Chemistry II during your junior or senior year. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0919
CHEMISTRY I HONORS
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisites: Biology I AND an "A" in Algebra
Weight: 4.0 DOE# 3064
Course Description:
Chemistry lets you understand the world around you. It helps you to understand what you eat, what you wear, and what you observe. It is often called the central science as it connects many other sciences. Chemistry I Honors is designed for the college-bound student interested in a science career (medical related, engineering, etc.), and/or who has a high interest in science. The honors level of chemistry has a much deeper application of mathematics and the pace is much faster than Chemistry I. You will often be expected to independently apply and extend your knowledge to new situations. In this course you will study matter, energy, counting and measuring atoms and their compounds, atomic structure, chemical reactions and bonding. The concepts will be presented through laboratory experiments that will involve making observations and predictions, collecting data, analyzing data, and communicating results. Problem solving skills, critical thinking and multiple representations of knowledge will be stressed. Upon successful completion of this course you will be well prepared and encouraged to take Chemistry II and /or AP® Chemistry during your junior or senior year. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0923
CHEMISTRY II
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Chemistry I and Algebra II
Weight: 4.0 DOE# 3066
Course Description:
Chemistry II expands and deepens the understanding of concepts studied in Chemistry I. Additional emphasis will be placed on molecular structure, thermodynamics, acid-base theories, hydrolysis, kinetics, equilibrium, and redox reactions. Experiments requiring quantitative calculations and formal written reports will be performed in the laboratory. It differs from AP® Chemistry in that not all AP® Chemistry topics will be studied, or will not be studied at the depth at which they would be assessed on the AP® exam. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. Students taking regular Chemistry I are required to take Chemistry II before taking AP® Chemistry.

Penn# 0937
AP® CHEMISTRY
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Chemistry I and Pre-Calculus (or pre-Calc concurrently)
Weight: 5.0 DOE# 3060
Course Description:
Chemistry, Advanced Placement® is a course which follows College Board entrance examination guidelines for Advanced Placement® chemistry. Topics included are atomic and molecular structure, equilibria, oxidation-reduction, thermochemistry, electrochemistry, kinetics and acid-base chemistry. This course also includes extensive college-level laboratory work stressing data acquisition and interpretation. Students are required to keep a laboratory manual. Students prepare for and are required to take the AP® Chemistry Exam given in May. To succeed in this course, students should be highly motivated, organized, and have good study habits. College credit will be earned upon successful

completion of the AP® Exam. Dual credit through Ivy Tech is also available at no cost. Check specific colleges and universities for their policies. There is a short summer assignment over basic Chemistry I principles. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0925
ASTRONOMY
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Geometry
Weight: 4.0 DOE# 3092
Course Description:
Astronomy provides for the in-depth investigation of astronomy. The course is a comprehensive, sequential, practical application course that utilizes the P-H-M Digital Video Theater (formerly the Planetarium) in the study of the: Celestial Sphere; Celestial Coordinates; Constellations; Solar System; Moon and Moon Phases; Eclipses; Sun as a star; Theories on the origin of our Solar System, Milky Way Galaxy, and Universe; Scale Models of: Earth-Sun, Solar System to our nearest star Alpha Centauri, and our Galaxy; Stellar Astronomy (all the things beyond the edge of our Solar System); Lives and Deaths of Stars; Spectroscopy; H&R Diagram; Cosmic Time Scale; Time Travel (Relativity); Life in the universe; Interstellar Space Travel; and the History of Manned Space Flight. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0943
ENVIRONMENTAL SCIENCE
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: ICP OR Chemistry I
Weight: 4.0 DOE# 3010
Course Description:
Environmental Science introduces fundamental environmental and ecological issues. Students will do laboratory investigations as well as participate in group & class discussions to debate pertinent topics. Many laboratory activities take place outside will require walking to an outdoor laboratory. Outside reading and research may be required as well as reading from the text. Students will do a significant amount of writing to demonstrate their understanding. Some concepts that will be covered include: Ecology, The Atmosphere, Conservation, Water, and Energy. The goal of the course is to prepare students to be literate citizens capable of using their knowledge of environmental science to make decisions to solve problems and make personal, social and ethical decisions that will have consequences for theirs and future generations. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0945
AP® ENVIRONMENTAL SCIENCE
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Chemistry OR Earth/Space Science
Weight: 5.0 DOE# 3012
Course Description:
The AP® Environmental Science course is a more advanced study of topics in environmental science. The goal of the AP® Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Considerable emphasis is placed on outdoor field investigations as well as on indoor laboratory study. Students are required to take the AP® Environmental Science Examination upon completion of the course in order to receive the weighted grade. It is necessary to have reading and study skills at a high enough level to read and comprehend college-level text and write college level papers and reports. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0929
PHYSICS I
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Chemistry I AND Algebra II (or concurrent enrollment in Algebra II)
Weight: 4.0 DOE# 3084
Course Description:
Physics is the study of the behavior and interactions of matter and energy in space and time. Physics I is designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering (including architecture.) This course is the content equivalent of AP®-C Mechanics, but does not include the calculus. Topics include kinematics, kinetics, gravitation, circular motion,

conservation of energy and momentum, rotational dynamics, statics, and fluid mechanics. Students are challenged with more complex problems in each of these areas. Approximately 33% of the course time is laboratory related with a particular emphasis on error analysis and the explanation of anomalous behavior. The depth of the laboratory work frequently involves reconsideration of the experimental results over a period of weeks or months. Emphasis is placed on problem-solving, laboratory techniques, and applications of interactive software for data acquisition, processing and modeling. Enrollment in the Junior year is encouraged, so that students may elect to enroll in Physics II or AP® E&M in their Senior year. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0963

AP® PHYSICS I – C: MECHANICS

Semesters: 2 Credits: 2

Grade Level: 11-12

Prerequisites: Physics I AND Calculus I (or concurrent enrollment in Calculus I)

Weight: 5.0 DOE# 3088

Course Description:

Physics I AP® -C Mechanics is an advanced and very rigorous first level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering. This course is Calculus based and uses differential and integral calculus. This physics course utilizes guided inquiry and student-centered learning techniques to foster the development of critical thinking skills. Students will be challenged with more complex problems in all topic areas, and be given opportunities to further develop creative problem solving skills, data analysis procedures, and experimental design techniques. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. They will also develop skills in the application of interactive software and the use of state-of-the–art laboratory instruments and techniques. Topics include; Kinematics, Projectile motion, Forces, Energy, Momentum, Rotational Motion, and Oscillations. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0933

PHYSICS II

Semesters: 2 Credits: 2

Grade Level: 12

Prerequisite: Physics I AND Pre-Calculus (or concurrent enrollment in Pre-calculus)

Weight: 4.0 DOE# 3086

Course Description:

Physics II is an advanced level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering. This course is the second half of the algebra based physics sequence. This physics course utilizes guided inquiry and student-centered learning techniques to foster the development of critical thinking skills. Students will be challenged with more complex problems in all topic areas, and be given opportunities to further develop creative problem solving skills, data analysis procedures, and experimental design techniques. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. They will also develop skills in the application of interactive software and the use of state-of-the–art laboratory instruments and techniques. Topics include oscillations, electrostatics, current, DC circuits, magnetism, electromagnetism, thermodynamics, optics, and modern physics.

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

Penn# 0969

AP® PHYSICS I: ALGEBRA BASED

2 Semesters 2 Credits

Grade Level: 10-12

Weight: 5.0 DOE# 3080

Prerequisites: Algebra II & Chemistry

IVY TECH - PHYS 101

This is a Quantitative Reasoning course

COURSE DESCRIPTION: AP® Physics1 is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP® Physics 1: Algebra based is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

Penn# 0947

AP® PHYSICS II – C: ELECTRICITY & MAGNETISM

Semesters: 2 Credits: 2
Grade Level: 12
Prerequisites: AP® Physics I OR Physics I with concurrent enrollment in Calculus
Weight: 5.0 DOE# 3088
Course Description:
AP® E&M is an advanced level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering. This course is Calculus based and a good understanding of differential, integral, and vector calculus is required. This physics course utilizes guided inquiry and student-centered learning techniques to foster the development of critical thinking skills. Students will be challenged with more complex problems in all topic areas, and be given opportunities to further develop creative problem solving skills, data analysis procedures, and experimental design techniques. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. They will also develop skills in the application of interactive software and the use of state-of-the–art laboratory instruments and techniques. Topics include oscillations, electrostatics, current, DC circuits, magnetism, electromagnetism, and AC circuits. This course is equivalent to a one semester, introductory Electricity & Magnetism college course. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0941
EARTH AND SPACE SCIENCE
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: ICP or Chemistry I (or concurrent enrollment in Chemistry I)
Weight: 4.0 DOE# 3044
Course Description:
Earth and Space science is a science elective for juniors and seniors. Topics include: gems/minerals, earthquakes/plate tectonics, fossil/dinosaurs, space/astronomy, and atmospheric science/weather prediction. Students have opportunities to gain an understanding of the history of the development of the earth and space sciences, to explore the uses of knowledge of the earth and its environment in various careers, and to investigate problems related to personal needs and social issues. 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: geology, geography, earthquakes/plate tectonics, oceanic weather/climate, coral reefs, history of our planet, and deep-water exploration. Students will have opportunities to gain an understanding of the history of our oceans, to research the oceanic life-forms, and research problems related to personal needs, social issues, and both human and economic decisions that affect our planet. The goal of this class is to have students recognize the powerful impact of the oceans and how they affect our daily lives. Students will become equipped with the knowledge and skills they need to make educated decisions in the future about our oceanic planet. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

BIOMEDICAL SCIENCE

Penn# 0909
PLTW PRINCIPLES OF BIOMEDICAL SCIENCES (PBS)

Semesters: 2 Credits: 2
Grade Level: 9-12
Prerequisite: Biology I (or current enrollment in Biology I)
Counts as 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)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: PBS
Counts as science course
Weight: 4.5 DOE# 5216
Course Description:
Human Body systems is a hands-on project based Project Lead the Way (PLTW) course. Students examine the interactions of human body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissue on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for 10th, 11th or 12th grade students. College credit is offered through IUPUI for students that earn an EOC score of a 6 and above and a satisfactory grade in the course. The credit is accepted as a 100 level science elective. IUPUI offers letters of completion to students attending other colleges. Currently there is no fee for credits associated with PLTW for students enrolled at IUPUI. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0961
PLTW MEDICAL INTERVENTIONS (MI)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisites: PBS AND (HBS or Anatomy & Physiology)
Counts as 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 10th - 12th grade students. College credit is offered through IUPUI for students that earn an EOC score of a 6 and above and a satisfactory grade in the course. The credit is accepted as a 100 level science elective. IUPUI offers letters of completion to students attending other colleges. Currently there is no fee for credits associated with PLTW for students enrolled at IUPUI. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0967
PLTW BIOMEDICAL INNOVATION (BI)
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisites: Principles of Biomedical Sciences, MI
Weight: 4.5 DOE# 5219
Course Description:
Biomedical Innovation is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work

with a mentor or advisor from a university, hospital, physician's office or industry. Throughout the course the students are expected to present their work to an adult audience that may include representatives from the local business and health care community. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0949/0950
NANOTECHNOLOGY
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Biology and ICP or Biology and Chemistry (or concurrent enrollment in Chemistry)
Weight: 4.0 DOE# 3092
Course Description:
Nanotechnology is the fastest growing field of scientific research dealing with technology that is 1,000,000 times smaller than the diameter of the average human hair. This course will use modeling and laboratory investigations to learn how properties of materials change as they progress from the macroscale, through the microscale, to the nanoscale. As we do this, we will learn how things like biosensors, nanomagnets and computer and cell phone microchips are made. Along the way we will discuss and investigate practical applications which are currently being used and those which are being developed for use in the near future.

Penn# 0953
SCIENCE RESEARCH INDEPENDENT STUDY
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Recommendation from Science teacher AND Physics I (or concurrent enrollment in Physics I)
Weight: 4.5 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.

AGRICULTURE

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

Agribusiness Management
(10-12)
(647)

Natural Resources
(10-12)
(649)

Horticulture Science
(10-12)
(659)

Animal Science
(10-12)
(643)

Landscape Management
(10-12)
(651)

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

= 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
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.0 DOE# 7117
Course Description:
Principles of Agriculture is a prerequisite to and a foundation for all other agricultural classes. The nature of this course is to provide students with an introduction to the fundamentals of agricultural science and business. Topics to be covered include: animal science, plant and soil science, food science, horticultural science, agricultural business management, landscape management, natural resources, agriculture power, structure and technology, leadership development, supervised agricultural experience and career opportunities in the area of agriculture, food and natural resources. Counts as an elective Course for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

Penn# 0647
AGRIBUSINESS MANAGEMENT
Semesters: 2 Credits: 2
Grade Level: 10-12
Weight: 4.5 DOE# 5002
Ivy Tech AGRI 102 Agribusiness and Farm Management
College Credits: 3
Course Description:
This dual credit course presents the concepts necessary for managing agriculture-related businesses such lawn and garden centers, landscape nurseries, lawn care services, greenhouses, animal supply stores, pet care shops, farm supply stores, produce markets, livestock production, machinery repairs and environmental consulting firms. Concepts covered include: identification of careers; safety management; entrepreneurship; the planning, organizing, controlling and directing of an agribusiness; effects of government organizations; economic principles; credit; record keeping; budgeting; fundamentals of cash flow; the tax system; insurance; marketing; cooperatives; purchasing; technology; human resources; management; business relations and responsibilities. Guest speakers, field trips, laboratories, and business simulation projects will aid in course instruction.
Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "C" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the academic or technical honors diploma.

Penn# 0643
ANIMAL SCIENC*E*
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: ***Intro to Ag, Food, Nat Res***
College Credits: 3
Counts as 3rd science course
Weight: 4.5 DOE# 5008
Ivy Tech AGRI 103 Animal Science
Course Description:
This year long course provides students with an overview of the field of animal science. Students will study large and small animal species. Topics to be addressed include: careers in animal science, animal science, anatomy, physiology, genetics, reproduction, nutrition, common diseases and parasites, management practices for the care and maintenance of animals, social and political issues related to the animal industry, and aquaculture. Guest speakers, field trips, practical skills laboratories, multimedia projects, and actual "hands on" experience with animals will aid in course instruction. Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "C" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the academic or technical honors diploma.

Penn# 0649
NATURAL RESOURCES
Semesters: 2 Credits: 2
Grade Level: 10-12
Counts as 3rd science course
Weight: 4.5 DOE# 5180
Ivy Tech AGRI 115 Natural Resources Management
College Credits: 3
Course Description:
This dual credit course provides students with a background in natural resource management. Students are introduced to career opportunities in natural resource management and related industries, the history of the forest industry and forest policy, the importance and uses of forest plants, factors which influence the development of forests, forest improvement and management, proper care and use of forest tools, effects of management practices on the environment, soil conservation practices, water and its importance, hazardous waste management, native wildlife, waterfowl and fish

management, surveying and map use, management of recreational areas, outdoor safety, weather, and energy resources. Guest speakers, field trips, practical skills laboratories, and natural resource improvement projects will aid in course instruction. Students will be involved with the Water Watchers of Indiana, River Watch Project and the Environmental and Natural Resources Management Career Development Competition. Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "C" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the academic or technical honors diploma.

Penn# 0659
HORTICULTURE SCIENCE
Semesters: 2 Credits: 2
Grade Level: 10-12
Weight: 4.5 DOE# 5132
Ivy Tech AGRI 116 Survey of Horticulture
College Credits: 3
Course Description:
This course provides students with an overview of the field of horticulture science. It addresses the biology and technology involved in the production, processing, and marketing of horticulture plants (such as flowers, houseplants, landscape plants, fruits, nuts and vegetables) and their products. Topics covered include: reproduction and propagation of plants, plant growth, growth media, greenhouse management, marketing, concepts, production of herbaceous, woody and nursery stock plants, fruit, nut and vegetable production and pest management. Students will be involved in the management and operation of the Penn High School greenhouse. Students may use this course to meet one of the requirements for the Academic or Technical Honors Diploma if they fulfill the following: Students completing the course with a grade of "C" or higher will earn free college credit from
Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the Academic or Technical honors diploma.

Penn# 0651
LANDSCAPE MANAGEMENT
Semesters: 2 Credits: 2
Grade Level: 10-12
Quantitative Reasoning Course
Weight: 4.5 DOE# 5136
Ivy Tech AGRI 164 Landscape Design I
College Credits: 3
Course Description:
Landscape Management is a year-long course that provides the student with an overview of the field of landscape management. Students are introduced to the procedures used in the planning and design of landscapes, the principles and procedures involved with landscaping construction, the determination of maintenance schedules, communications, and management skills necessary in landscaping operations and the care and use of equipment utilized by landscapers. Students will design and be involved in the installation of the Penn High School Building Trades house landscape. Students will also be involved with the operation and management of the Penn High School greenhouse. Junior and senior students will have the opportunity to earn Accredited Horticulturist Certification from the Indiana Nursery and Landscape Association and Landscape Industry Certified Technical Certification from the Professional Landscape Network (PLANET). Students completing the course with a grade of "C" or higher will earn free college credit from Ivy Tech Community College Indiana. Any student earning dual credit may apply those credits to the Academic or Technical honors diploma.

Penn# 0645
ADVANCED LIFE SCIENCES: ANIMALS
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Biology I, Chemistry I & Animal Science
Weight: 4.5 DOE# 5070
Ivy Tech AGRI 107 Advanced Animal Science
College Credits: 3
Course Description:
Students should not take this class concurrently with Animal Science. This year long Advanced Credit Examination (ACE) course allows students to investigate concepts that enable them to understand animal life and animal science as it pertains to companion animals. Students interested in careers in Veterinary Medicine, Veterinary Technology, Biotechnology, and Life Sciences will be challenged through instruction, including laboratory and fieldwork. They will recognize concepts associated with animal taxonomy, life at the cellular level, organ systems, genetics, evolution, ecology, and historical and current issues in animal agriculture. Students will have the opportunity to "test out" of Animal Science 106 at Purdue University. This end of course assessment will

grant students who successfully complete the test the opportunity to earn Purdue University College Advanced credit (at minimal cost) and move directly into more advanced level science and agricultural science studies. This course fulfills a Core 40 science requirement for the General Core 40, Core 40 with Academic Honors or the Core 40 with Technical Honors high school diploma.

Engineering & Technology Course Offerings

Engineering Design & Development 608*#	Welding II 622	Building Trades II 635	Robotics II & Internship II 610# & 678 (FRC)

Civil Engineering & Architecture 655*#	Digital Electronics 613*#	Aerospace 653*#	Networking I 239	Architecture III 654#	Building Trades 633	Robotics I & Internship I 609# & 677 (FRC)

Principles of Engineering 607*#	IT Support II 1852#	Advanced Manufacturing II 627	Welding I 620	Architecture II 656#	Construction Trades 631	FIRST Tech Challenge - FTC 10 612 or 616

Intro to Engineering Design 605*# or 606*# (606 is an all girls class)	Computers in Design & Production (Exploratory STEM) 603	IT Support I (Fix,Build, Understand Computers) 615#	Advanced Manufacturing I 625	Architecture I 604#	Intro to Construction 629	FIRST Tech Challenge - FTC 9 602 or 614

* Indicates a PLTW Course
# Indicates Dual Credit with Ivy Tech

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

ENGINEERING & TECH

ENGINEERING:

Project Lead the Way (PLTW)

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

Penn# 0605
PLTW INTRODUCTION TO ENGINEERING DESIGN (IED)
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.5 DOE# 4802
Ivy Tech- DESN 101 Intro to Design Technology
College Credits: 3
Course Description:
(IED) Introduction to Engineering and Design is an introductory course, which develops student problem solving skills with emphasis on the development of three-dimensional (3-D) solid models. Students will work both individually and in teams to design solutions to a variety of problems using 3D modeling software. Students use the design process, applying math, science, and engineering standards to hands-on projects. Models of product solutions are created, analyzed and communicated using Autodesk Inventor. This course also works in a variety of project based learning activities such as The Innovation Challenge, Canstruction, and Mission to Engineer.

Penn# 0606
PLTW INTRODUCTION TO ENGINEERING DESIGN (IED)
All Girls
Semesters: 2 Credits: 2
Grade Level: 9-12
Weight: 4.5 DOE# 4802
Ivy Tech- DESN 101 Intro to Design Technology
College Credits: 3
Course Description:
(IED) Introduction to Engineering and Design is an introductory course, which develops student problem solving skills with emphasis on the development of three-dimensional (3-D) solid models.
Students will work both individually and in teams to design solutions to a variety of problems using 3D modeling software. Students use the design process, applying math, science, and engineering standards to hands-on projects. Models of product solutions are created, analyzed and communicated using Autodesk Inventor. This course also works in a variety of project based learning activities such as The Innovation Challenge, Canstruction, and Mission to Engineer.

Penn# 0607
PLTW PRINCIPLES OF ENGINEERING (POE)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: Introduction to Engineering Design (IED)
Counts as 3rd science course
Weight: 4.5 DOE# 5644
Ivy Tech- DESN 104 Mechanical Graphics
College Credits: 3
Course Description:
Principles of Engineering (POE) is a course that focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, electrical and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and projection systems in developing and presenting solutions to engineering problems.

Penn# 0653
PLTW AEROSPACE ENGINEERING (AE)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: IED and POE
Counts as 3rd science course
Weight: 4.0 DOE# 5518
Course Description:
Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to

life by designing and testing components related to flight such as an airfoil, propulsion systems, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

Penn# 0655
PLTW CIVIL ENGINEERING AND ARCHITECTURE (CEA)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: IED and POE
Weight: 4.5 DOE# 5650
Ivy Tech- DESN 105 Architectural Design I
College Credits: 3
Course Description:
Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs (Revit) will allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis will be placed on related transportation, water resource, and environmental issues. Activities will include the preparation of cost estimates, structure design, surveying, model building, as well as a review of regulatory procedures that would affect the project design.

Penn# 0613
PLTW DIGITAL ELECTRONICS (DE)
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: IED and POE
Weight: 4.5 DOE# 5538
Ivy Tech- EECT 112 Digital Fundamentals
College Credits: 3
Course Description:
Digital Electronics is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches, calculators, digital cameras, and thousands of other devices. Instruction includes the application of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer software that reflects current industry standards, activities will provide opportunities for students to design, construct, test, and analyze simple and complex digital circuitry. Software will be used to develop and evaluate the product design. This course engages students in critical thinking and problem-solving skills, time management and teamwork skills.

Penn# 0608
PLTW ENGINEERING DESIGN & DEVELOPMENT (EDD)
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Two Engineering & Tech courses or permission from instructor
Weight: 4.0 DOE# 5698
Course Description:
Engineering Design and Development is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problems. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous pre-engineering courses. This course also engages students in critical thinking and problem-solving skills, time management and teamwork skills, a valuable set for students' future careers.

ROBOTICS:

Penn# 0602 (0614 - 0 Hour)
FIRST TECH CHALLENGE FTC 9
Semesters: 2 Credits: 2
Grade Level: 9
Weight: 4.5 DOE# 4794
Course Description:
Students can choose to take this course as a 0 hour class or a normal class. 0 hour class will meet outside the school day. FTC is designed for students to work together solving an engineering problem. Teams of students are responsible for designing, building, and programming their competition robots. Competitions are held throughout Indiana and the nation. Students will learn and use the design process to guide their work in class. Families will be expected to attend informational meetings in the evenings. Many skills and processes are learned in FTC to build the individual towards an effective team member for the Robotics

Classes (FRC 11th and 12th grade years). Students get to Design, build, and program robots, Apply real-world math and science concepts, Develop strategic problem solving, organizational, and team building skills, Compete and cooperate in Alliances at tournaments, Earn a place in the World Championships, Qualify for scholarships at over 100 colleges/universities

***There will be evening and weekend commitments to participating in this class. Students will ride a school bus and stay overnight at certain competitions.**

Penn# 0612 (0616 - 0 Hour)
FIRST TECH CHALLENGE FTC 10
Semesters: 2 Credits: 2
Grade Level: 10-12
Weight: 4.5 DOE# 7199
Course Description:
Students can choose to take this course as a 0 hour class or a normal class. 0 hour class will meet outside the school day. FTC is designed for students to work together solving an engineering problem. Teams of students are responsible for designing, building, and programming their competition robots. Competitions are held throughout Indiana and the nation. Students will learn and use the design process to guide their work in class. Families will be expected to attend informational meetings in the evenings. Many skills and processes are learned in FTC to build the individual towards an effective team member for the Robotics Classes (FRC 11th and 12th grade years). Students get to Design, build, and program robots, Apply real-world math and science concepts, Develop strategic problem solving, organizational, and team building skills, Compete and cooperate in Alliances at tournaments, Earn a place in the World Championships, Qualify for scholarships at over 100 colleges/universities

***There will be evening and weekend commitments to participating in this class. Students will ride a school bus and stay overnight at certain competitions.**

Penn# 0609
AUTOMATION & ROBOTICS I
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Application required
Weight: 4.0 DOE# 5610
This course is weighted on a 4.5 scale if taken with Penn FIRST Robotics Internship I.
Ivy Tech- INDT 113 Basic Electricity
College Credits: 3
Course Description:
This course is designed to give students an experience in the Design Process as it relates to building a competition robot. Since 1998 this class has participated in the FIRST (for inspiration and recognition of Science and Technology) Competition. Students will dedicate the entire year learning the necessary skills and processes needed to contribute to building Penn High School's FRC Robot, "The Black Knight!" Experiences such as 3D Modeling, 3D Printing, Machining, Welding, Wiring, Programming, Assembling, Controlling, and Driving are all topics of study. Students that successfully complete both classes *Automation & Robotics and Penn FIRST Robotics Internship* will receive a weighted grade.

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

Penn# 0610
AUTOMATION & ROBOTICS II
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Automation & Robotics I AND Application
Weight: 4.0 DOE# 5612
This course is weighted on a 4.5 scale if taken with Penn FIRST Robotics Internship II.
Ivy Tech- ADMF 122 Automation Mechatronics Electrical Systems
College Credits: 3
Course Description:
This course is designed to give students an experience in the Design Process as it relates to building a competition robot. Since 1998 this class has participated in the FIRST (for inspiration and recognition of Science and Technology) Competition. Students will dedicate the entire year learning the necessary skills and processes needed to contribute to building Penn High School's FRC Robot, "The Black Knight!" Experiences such as 3D Modeling, 3D Printing, Machining, Welding, Wiring, Programming, Assembling, Controlling, and Driving are all topics of study. Students that successfully complete both classes *Automation & Robotics and Penn FIRST Robotics Internship* will receive a weighted grade.

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

Penn# 0677
PENN FIRST ROBOTICS INTERNSHIP I (WBL)
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Application required
Weight: 4.0 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 AND Application
Weight: 4.0 DOE# 5974
This course is weighted on a 4.5 scale if taken with Automation & Robotics II.

Course Description:

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

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

ARCHITECTURE:

Penn# 0604
ARCHITECTURAL DESIGN I
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 4.5 DOE# 5640
Ivy Tech- DESN 101 Intro to Design Technology
College Credits: 3

Course Description:

Architectural Drafting and Design I gives students a basic understanding of the detailing skills commonly used by architectural technicians. Areas of study include: sketching, proper use of equipment, geometric constructions, and general residential design. This course includes the creation and interpretation of construction documents. Methods of geometric construction, three-dimensional drawing techniques, and sketching will be presented as well as elementary aspects of residential design and site work. Areas of emphasis will include print reading and drawing. This course also provides students with a basic understanding of the features and considerations associated with the operation of a computer-aided design (CAD) system. They will be expected to complete several projects relating to command topics. Topics include: 2D drawing commands, coordinate systems, editing commands, paper and model space, inquiry commands, layers, plotting, text, and basic dimensioning.

Penn# 0604-N
PRINCIPLES OF ARCHITECTURE
Semesters: 2 Credits: 2
Grade Level: 9-10
Weight: 4.5 DOE# 7295
Ivy Tech- DESN 101 Intro to Design Technology
College Credits: 3

Course Description:

Principles of Architecture gives students a basic understanding of the detailing skills commonly used by architectural technicians. Areas of study include: sketching, proper use of equipment, geometric constructions, and general residential design. This course includes the creation and interpretation of construction documents. Methods of geometric construction, three-dimensional drawing techniques, and sketching will be presented as well as elementary aspects of residential design and site work. Areas of emphasis will include print reading and drawing. This course also provides students with a basic understanding of the features and considerations associated with the operation of a computer-aided design (CAD) system. They will be expected to complete several projects relating to command topics. Topics include: 2D drawing commands, coordinate systems, editing commands, paper and model space, inquiry commands, layers, plotting, text, and basic dimensioning.

Penn# 0656

ARCHITECTURAL DESIGN II
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites: Architectural Drafting and Design I
Weight: 4.5 DOE# 5652
Ivy Tech- DESN 105 Architectural Design I
College Credits: 3
Course Description:
Architectural Design II builds on the concepts of Architectural Design I and presents a history and survey of architecture with a focus on the creative design of buildings in a studio environment. This course covers site analysis, facilities programming, space planning, conceptual design, and the proper use of materials. Students will develop presentation drawings, give oral presentations, and critique works. Generation of form and space is addressed through basic architectural theory, related architectural styles, design strategies, and a visual representation of the student's design process. This course will focus on advanced Computer Aided Design (CAD) techniques. It includes an overview of modeling, graphical manipulation, part structuring, and modeling strategies. Various Architectural software packages and applications will be used.

Penn# 0656-N
ARCHITECTURE: CONSTRUCTION TRADES
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisites: Architectural Design I
Weight: 4.5 DOE# 7130
Ivy Tech- DESN 105 Architectural Design I
College Credits: 3
Course Description:
Architectural Construction 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
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisites:Architectural Design II
Weight: 4.5 DOE# 5650
Ivy Tech- DESN 105 Architectural Design I
College Credits: 3
Course Description:
Course Description: CEA Non PLTW introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resource, and environmental issues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design.

TECHNOLOGY:

Penn# 0603
COMPUTERS IN DESIGN & PRODUCTION
Semesters: 2 Credits: 2
Grade Level: 9-12
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:

Penn# 0625
ADVANCED MANUFACTURING I
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 4.0 DOE# 5608
Course Description:
Advanced Manufacturing I is designed to provide students with a basic understanding of the precision machining processes used in industry, manufacturing, maintenance, and repair. The course

instructs students in industrial safety, terminology, tools and machine tools, measurement and layout. Students will become familiar with the setup and operation of power saws, drill presses, lathes, milling machines, grinders, welding and an introduction to CNC (computer controlled) machines.

Penn# 0625-N
PRINCIPLES OF ADVANCED MANUFACTURING
Semesters: 2 Credits: 2
Grade Level: 9-10
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 II
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Advanced Manufacturing I
Weight: 4.0 DOE# 5606
Course Description:
Advanced Manufacturing II is a more in-depth study of skills learned in Advanced Manufacturing I, with a stronger focus in 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# 0627-N
ADVANCED MANUFACTURING TECHNOLOGY
Semesters: 2 Credits: 2
Grade Level: 10
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
WELDING TECHNOLOGY I
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Advanced Manufacturing II
Weight: 4.0 DOE# 5776
Course Description:
Welding Technology I includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and Shielded Metal Arc welding. This course is designed for individuals who intend to make a career as a Welder, Technician, Sales, Designer, Researcher or Engineer. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for college and career success. This course qualifies for the General, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

Penn# 0622
WELDING TECHNOLOGY II
(Double Block)
Semesters: 2 Credits: 4
Grade Level: 11-12
Prerequisite: Welding Technology I
Weight: 4.0 DOE# 5778
Course Description:
Welding Technology II is a 2 block class. It includes classroom and laboratory experiences that develop a variety of skills in Gas Metal Arc welding, Flux Cored Arc Welding, Gas Tungsten Arc welding, Plasma Cutting and Carbon Arc Cutting. This course is designed for individuals who intend to pursue careers as Welders, Technicians, Sales Reps, Designers, Researchers or Engineers. Emphasis is placed on safety at all times. OSHA standards and guide-lines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for college and career success.

CONSTRUCTION:

Penn# 0629
CONSTRUCTION TRADES I
Semesters: 2 Credits: 2
Grade Level: 11-12
Weight: 4.0 DOE# 5580
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# 0629-N
PRINCIPLES OF CONSTRUCTION
Semesters: 2 Credits: 2
Grade Level: 9-10
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.

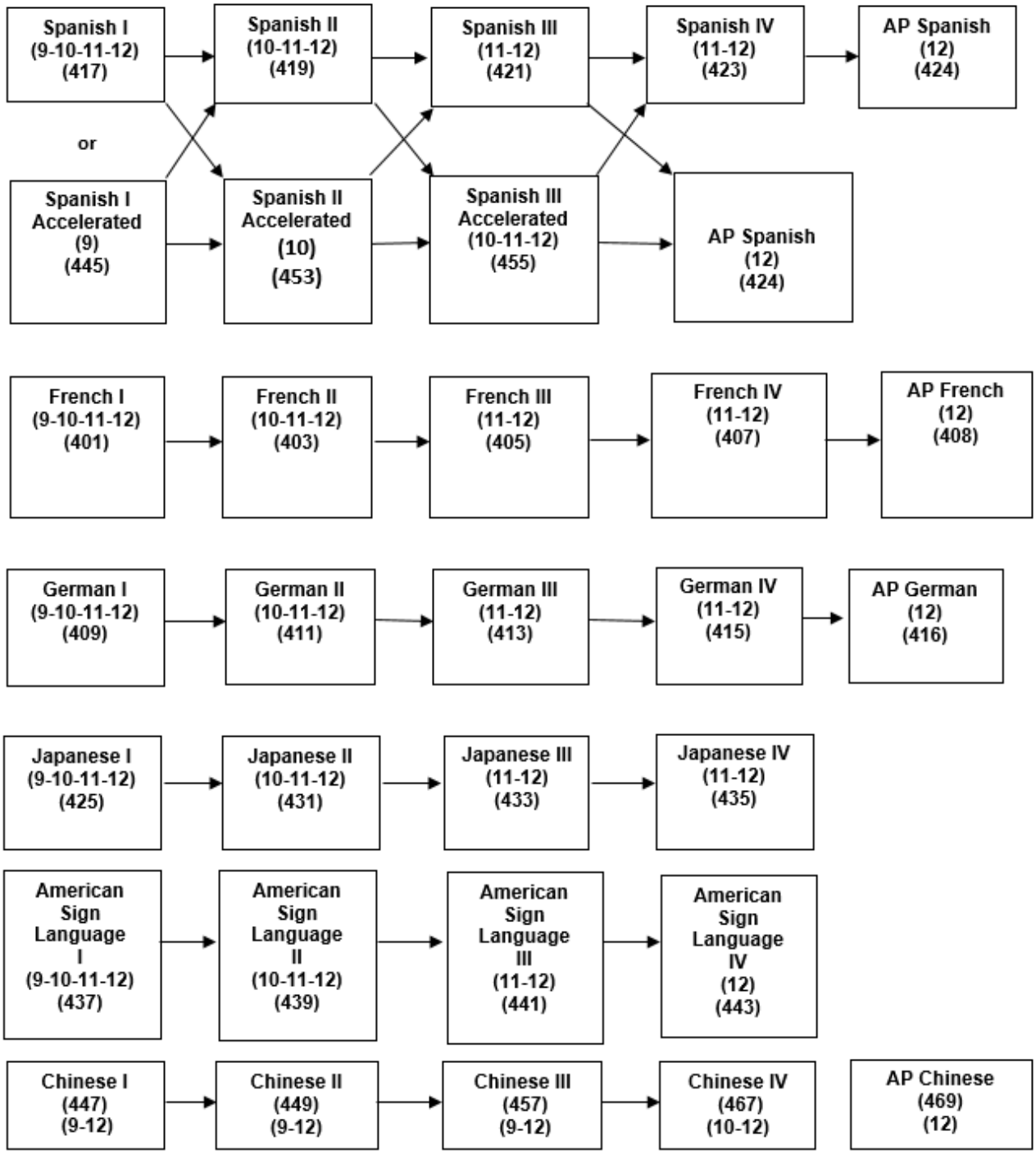
Penn# 0631
CONSTRUCTION TRADES II
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Construction Trades I Weight: 4.0 DOE# 5578
Course Description:
Construction Trades II is a specialized course that builds on the fundamentals acquired in the Introduction to Construction class to further understand the technological processes used in the building trades industry. Students will learn common processing and assembly methods and employ those techniques to create a wide variety of projects.

Penn# 0631-N
Civil Construction Fundamentals
Semesters: 2 Credits: 2
Grade Level: 10
Prerequisite: Principles of Construction Trades
Weight: 4.0 DOE# 7121
Course Description:
Construction Trades II is a specialized course that builds on the fundamentals acquired in the Introduction to Construction class to further understand the technological processes used in the building trades industry. Students will learn common processing and assembly methods and employ those techniques to create a wide variety of projects.

Penn# 0632, 0633 & 0634 (with 1357)
VOCATIONAL BUILDING TRADES I
(BT Principles, BT Carpentry, BT Framing & Finishing)
(4 Blocks- 2 each day)
Semesters: 2 Credits: 6
Grade Level: 11-12
Weight: 4.0 DOE# 7130, 7123 & 7122
Course Description:
Students will spend 1st and 2nd periods every day at the Building Trades site. This course is designed to give students practical experiences in the different phases of house construction through the building of a house on a site near the school. Students will gain some knowledge and experience in house wiring, plumbing, heating, concrete and masonry work, painting, drywall application, landscaping, and carpentry. After successful completion of this course, students should be prepared to enter some phase of the building trades. This class will help with future projects in your home!
Students will earn an OSHA 10 certification. Students will need a basic set of tools. Students are responsible for their own transportation to the construction site and back to school after class.

Penn# 0635 (with 1357-N)
VOCATIONAL BUILDING TRADES II
(BT Capstone)
(4 Blocks- 2 each day)
Semesters: 2 Credits: 6
Grade Level: 12
Prerequisite: Principles of Construction Trades; Construction Trades: General Carpentry; and Construction Trades: Framing and Finishing
Weight: 4.0 DOE# 7242
Course Description:
Students will spend 1st and 2nd periods every day at the Building Trades site. Students will have the same opportunities that they had in Vocational Building Trades I. Students will be able to specialize in a specific area of house construction, with an emphasis on the installation, operation, and maintenance of HVAC systems. After successful completion of the course, students will be prepared to enter some phase of the building trades. Students will earn an OSHA 10 certification. Students will need a basic set of tools. 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

Penn# 0403
FRENCH II
Semesters: 2 Credits: 2
Grade Level: 10-12
Prerequisite: French I
Weight: 4.0 DOE# 2022
Course Description:
Level II French enables students to participate in classroom and extracurricular activities related to the language studied as well as to participate in conversations dealing with daily activities and personal interests. Students will be able to ask questions regarding routine activities, participate in conversations on a variety of topics, relate a simple narrative about a personal experience or event, interact in a variety of situations to meet personal needs, such as asking permission, asking for or responding to an offer of help, and expressing preferences pertaining to everyday life, understand main ideas and facts from simple texts over familiar topics, read aloud with appropriate intonation and pronunciation and, write briefly in response to given situations, for example postcards, personal notes, phone messages, and directions, as well as write letters using culturally appropriate format and style. Additionally, students become familiar with major geographical features, historical events, and political structures of the countries being studied, familiar with different aspects of the culture, including the visual arts, architecture, literature and music, using the foreign language where appropriate, able to extend and respond to hospitality as a host or guest and, aware of time expectations, such as arriving for appointments and social engagements

Penn# 0405
FRENCH III
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: French 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: 4.0 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

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: 4.0 DOE# 2046
Course Description:
Level IV German students will learn 20th Century German history and advanced grammar topics; students will read authentic works from the 19th & 20th Centuries, including poetry, short stories and plays; students will write lengthy essays and creative pieces. The German IV class is conducted in German and students will speak German.

Penn# 0416
AP® GERMAN
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: German 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 e-mail on topics of current and historical importance to members of the culture, analyze the main plot, subplot, characters and their descriptions, roles, and significance in authentic literary texts, create stories and poems, short plays, and skits based on personal experiences and exposure to themes, ideas, and perspectives from the foreign cultures and, summarize the content of an article intended for native speakers in order to discuss the topics in writing for speakers of the language. Additionally, students gain a general knowledge of the major literary and artistic movements within the cultures where the foreign language is spoken, become aware of the relationships, in these periods among the various art forms, and demonstrate near native behaviors, using the appropriate verbal and nonverbal cues in a variety of cultural contexts, that reflect both peer group and adult activities within the cultures studied .

Penn# 0475
GERMAN AMERICAN PARTNERSHIP PROGRAM (GAPP)
Semesters: 1 (Summer) Credits: 1
Grade Level: 10-11
Prerequisites: German II AND application
Counts as an Elective for all diplomas
Weight: 4.0 DOE# 0514
Course Description:
3+ weeks to be determined approximately one year before travel. Course is limited to 18 participants. A course in humanities provides for the study of content drawn from history, philosophy, literature, languages, and the arts. The Penn GAPProgram includes an in-depth study of the German Language, Culture and History. Broad emphasis will be placed on the National Standards for Foreign Language Learning. The students will live with host families, attend school and travel. It is through these activities and experiences that students will gain an understanding of the target language; develop insight into the nature of the culture and communicate in a language other than English. Pre-trip preparations and course work will help the students develop an understanding of the German language, its culture and its rich history and how to actually apply it to the human environment.

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: 4.0 DOE# 2066
Course Description:
Level IV Japanese enables students to participate in classroom and extracurricular activities related to the language studied. Students must be willing to participate in conversations with native and advanced non-native speakers, either in their community or in the school. This course also enables students to respond to factual and interpretive questions, interact in complex social situations, and express opinions and make judgments, write well organized compositions on a given topic, begin using the language creatively in writing simple poetry and prose and conversation, seek help in a crisis situation and participate appropriately at special family occasions, such as birthdays, weddings and anniversaries. Students will also become able to adjust speech appropriate to the situation and audience and able to participate appropriately in a variety of specific circumstances which could include public meetings, attending concerts, and using public transportation.

Penn# 0427
JAPANESE V
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Japanese 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.

Penn# 0421
SPANISH III
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Spanish I and II
Weight: 4.0 DOE# 2124
Course Description:
Level III takes what the student learned in Levels I and II and builds upon it. We continue to practice the language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level III is to expand students' ability to talk about different situations in life. The students explore the world of Spanish art, getting a job, going on vacation, and other authentic situations. As the library of useful vocabulary grows for the student, so does the ability to talk and write about more topics in a more authentic way. Sentence structure becomes more sophisticated. The students talk about the present, the past, and the future. The course provides the students with opportunities to comprehend new language through dialogues, clip art, visuals, and video, practice communication through listening exercises, paired activities, and through the use of the language laboratory, answer questions and express personal opinions both verbally and in writing, compare languages and cultures through grammar study, pronunciation, art, and cultural information, demonstrate all language skills through a variety of tasks and projects, write more in the target language, describe different aspects of the culture using technology where appropriate.

Penn# 0455
SPANISH III ACCELERATED
Semesters: 2 Credits: 2
Grade Level: 11
Prerequisite: Spanish I and II Accelerated or teacher recommendation
Weight: 4.0 DOE# 2124

Course Description:
This accelerated course is designed to continue prepare the students for the AP Program in their senior year. More material will be covered than in the regular Spanish 3 program with the goal of further enhancing the development of the basic skills of listening, speaking, reading, and writing. Oral proficiency and sentence structure are emphasized. Students continue to learn about the countries where Spanish is spoken, as well as about the Spanish-speaking population of the United States.

Penn# 0423
SPANISH IV
Semesters: 2 Credits: 2
Grade Level: 11-12
Prerequisite: Spanish III
Weight: 4.0 DOE# 2126
Course Description:
Level IV takes what the student learned in Levels I, II, and III and builds upon it. We continue to practice the language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level IV, however, is to expand the students' ability to talk about cultural differences in the world. The students explore the history, art, political development, and cultural traditions of Spain, South America, and Central America. As the library of useful vocabulary grows for the student, so does the ability to talk and write about more topics in a more authentic way in Spanish. Sentence structure becomes even more sophisticated. The students talk about the various countries they study using the verb tenses in Spanish they are practicing or learning. The course provides the students with opportunities to comprehend new language through dialogues, clip art, visuals, and movies, practice communication through listening exercises, paired activities, the use of technology, as well as native speakers, answer questions and express personal opinions both verbally and in writing, compare languages and cultures through grammar study, pronunciation, art, and cultural information, demonstrate all language skills through a variety of tasks and projects, write more in the target language, read more in the target language using both short novels and essays, describe different aspects of the culture using the foreign language.

Penn# 0424
AP® SPANISH
Semesters: 2 Credits: 2
Grade Level: 12
Prerequisite: Spanish 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 OR heritage language learners (those who come from Chinese or bilingual home background) who know Hanyu Pinyin (PRC) and at least 50 - 100 Chinese Characters.
Weight: 4.0 DOE# 2002
Course Description:
The two-semester course is a continuation of Chinese I. The course aims at further developing fundamental language skills. All four skills (speaking, reading, listening and writing) will be emphasized and learned in 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
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: 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 (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.

Penn# 1239-1246
WORK EXPERIENCE (WBL)
Semesters: 2 Variable Credit
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
TV BROADCAST INTERNSHIP (WBL)
Semesters: 2 Credits: 2
Grade Level: 12
Weight: 4.0 DOE# 5974
Course Description:
In this class, students may develop media literacy through instruction and practice, and they engage in all facets of production in the PNN television studio. Students may also participate in a professional internship with local Media companies. Members of the class produce a variety of projects in the studio, and they take them from concept to complete. Students develop a portfolio of work that includes television productions, news segments, music videos, public service announcements, commercial spots, live broadcasts, and multimedia stories. Students gain experience in all aspects of production in the PNN television studio, and they sometimes produce news shows for pnn.phmschools.org. This publications class lays the groundwork for further study in this field and other publications classes such as MASS MEDIA / TECH COMM II, 0371. More information can be found at massmediastudies.net.

Penn# 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 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# 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

Prerequisite: Application required

Weight: 4.0 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 AND Application

Weight: 4.0 DOE# 5974

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

Course Description:

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

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

Penn High School 4 + 4 Year Worksheet*

Grade 9	Grade 10	Grade 11	Grade 12
English 9 (Honors)	English 10 (Honors)	English 11 (Honors/AP)	English 12 (ACP/AP/Ivy Tech)
Math (Honors)	Math (Honors)	Math (Acc./Honors/AP/ACP/Ivy Tech)	Math (ACP/AP/Ivy Tech)
Biology (Honors)	ICP or Chem. (Honors)	Science	Science
Geography Hist. of the World (Honors)	Health / Elective	US History (AP/ACP/Ivy Tech)	US Gov./Econ (AP/ACP)
Physical Education	Achievement Academy Elective	Achievement Academy Elective	Achievement Academy Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
PCC & Intro to Communication	Interactive Media	Internship/Dual Credit/Study Hall	Internship/Dual Credit/Study Hall

Post-secondary

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

*This plan will be reviewed and updated annually!
**Indiana requires two credits of Mathematics or Quantitative Reasoning junior or senior year to earn a diploma.

My Achievement Academy: __Fine Arts/Communication __STEM __MBA __Health & Human Services

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2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0101	Painting I	SUPPLY	$6.00
0101	Canvas	CNSMBL	$5.00
0101	Paint	CNSMBL	$5.00
0101	Brushes	CNSMBL	$4.00
0102	Painting II	SUPPLY	$6.00
0102	Canvas	CNSMBL	$5.00
0102	Paint	CNSMBL	$5.00
0102	Brushes	CNSMBL	$4.00
0103	Painting III	SUPPLY	$6.00
0103	Canvas	CNSMBL	$5.00
0103	Paint	CNSMBL	$5.00
0103	Brushes	CNSMBL	$4.00
0104	Painting IV	SUPPLY	$6.00
0104	Canvas	CNSMBL	$5.00
0104	Paint	CNSMBL	$5.00
0104	Brushes	CNSMBL	$4.00
0105	Painting V	SUPPLY	$6.00
0105	Canvas	CNSMBL	$5.00
0105	Paint	CNSMBL	$5.00
0105	Brushes	CNSMBL	$4.00
0106	Painting VI	SUPPLY	$6.00
0106	Canvas	CNSMBL	$5.00
0106	Paint	CNSMBL	$5.00
0106	Brushes	CNSMBL	$4.00
0107	Painting VII	SUPPLY	$6.00
0107	Canvas	CNSMBL	$5.00
0107	Paint	CNSMBL	$5.00
0107	Brushes	CNSMBL	$4.00
0108	Painting VIII	SUPPLY	$6.00
0108	Canvas	CNSMBL	$5.00
0108	Paint	CNSMBL	$5.00
0108	Brushes	CNSMBL	$4.00
0109	Ceramics I	SUPPLY	$5.00
0109	Clay	CNSMBL	$10.00
0109	Glaze	CNSMBL	$5.00
0110	Ceramics II	SUPPLY	$5.00
0110	Clay	CNSMBL	$10.00
0110	Glaze	CNSMBL	$5.00
0111	Ceramics III	SUPPLY	$5.00
0111	Clay	CNSMBL	$10.00
0111	Glaze	CNSMBL	$5.00
0112	Ceramics IV	SUPPLY	$5.00
0112	Clay	CNSMBL	$10.00
0112	Glaze	CNSMBL	$5.00
0113	Ceramics V	SUPPLY	$5.00
0113	Clay	CNSMBL	$10.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0113	Glaze	CNSMBL	$5.00
0114	Ceramics VI	SUPPLY	$5.00
0114	Clay	CNSMBL	$10.00
0114	Glaze	CNSMBL	$5.00
0115	Ceramics VII	SUPPLY	$5.00
0115	Clay	CNSMBL	$10.00
0115	Glaze	CNSMBL	$5.00
0116	Ceramics VIII	SUPPLY	$5.00
0116	Clay	CNSMBL	$10.00
0116	Glaze	CNSMBL	$5.00
0117	Drawing I	SUPPLY	$10.00
0117	Drawing Paper	CNSMBL	$5.00
0117	Drawing Tools	CNSMBL	$5.00
0118	Drawing II	SUPPLY	$10.00
0118	Drawing Paper	CNSMBL	$5.00
0118	Drawing Tools	CNSMBL	$5.00
0119	Drawing III	SUPPLY	$10.00
0119	Drawing Paper	CNSMBL	$5.00
0119	Drawing Tools	CNSMBL	$5.00
0120	Drawing IV	SUPPLY	$10.00
0120	Drawing Paper	CNSMBL	$5.00
0120	Drawing Tools	CNSMBL	$5.00
0121	Drawing V	SUPPLY	$10.00
0121	Drawing Paper	CNSMBL	$5.00
0121	Drawing Tools	CNSMBL	$5.00
0122	Drawing VI	SUPPLY	$10.00
0122	Drawing Paper	CNSMBL	$5.00
0122	Drawing Tools	CNSMBL	$5.00
0123	Drawing VII	SUPPLY	$10.00
0123	Drawing Paper	CNSMBL	$5.00
0123	Drawing Tools	CNSMBL	$5.00
0124	Drawing VIII	SUPPLY	$10.00
0124	Drawing Paper	CNSMBL	$5.00
0124	Drawing Tools	CNSMBL	$5.00
0125	Sculpture I	SUPPLY	$17.50
0126	Sculpture II	SUPPLY	$17.50
0127	Sculpture III	SUPPLY	$17.50
0128	Sculpture IV	SUPPLY	$17.50
0129	Sculpture V	SUPPLY	$17.50
0130	Sculpture VI	SUPPLY	$17.50
0131	Sculpture VII	SUPPLY	$17.50
0132	Sculpture VIII	SUPPLY	$17.50
0133	Principles of Digital Design	SUPPLY	$10.00
0133	Blank Shirt	CNSMBL	$4.00
0133	Vinyl	CNSMBL	$6.00
0135	Digital Design Graphics	SUPPLY	$10.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0135	Blank Shirt	CNSMBL	$4.00
0135	Vinyl	CNSMBL	$6.00
0137	Graphic Design and Layout	SUPPLY	$10.00
0137	Blank Shirt	CNSMBL	$4.00
0137	Vinyl	CNSMBL	$6.00
0139	Digital Design Capstone WBL	SUPPLY	$10.00
0139	Blank Shirt	CNSMBL	$4.00
0139	Vinyl	CNSMBL	$6.00
0141	Photography I	SUPPLY	$10.00
0141	Darkroom Chemicals	CNSMBL	$10.00
0142	Photography II	SUPPLY	$10.00
0142	Darkroom Chemicals	CNSMBL	$10.00
0143	Photography III	SUPPLY	$12.00
0143	Darkroom Chemicals	CNSMBL	$8.00
0144	Photography IV	SUPPLY	$12.00
0144	Darkroom Chemicals	CNSMBL	$8.00
0149	Intro To 2d Art	SUPPLY	$10.00
0149	Linoleum Rubber	CNSMBL	$4.00
0149	Drawing Paper	CNSMBL	$3.00
0149	Paint	CNSMBL	$3.00
0150	Intro To 3d Art	SUPPLY	$10.00
0150	Clay	CNSMBL	$5.00
0150	Paper Mache	CNSMBL	$2.00
0150	Paint	CNSMBL	$3.00
0151	Advanced Two-Dimensional Art	SUPPLY	$20.00
0152	Advanced Two-Dimensional Art	SUPPLY	$20.00
0153	AP Drawing	AP EXAM	$96.00
0153	AP Drawing	SUPPLY	$35.00
0154	AP 2D Art & Design: Painting	AP EXAM	$96.00
0154	AP 2D Art & Design: Painting	SUPPLY	$35.00
0155	Art History	SUPPLY	$7.50
0156	Advanced Art History	SUPPLY	$7.50
0157	Advanced Three Dimensional Art	SUPPLY	$17.50
0158	Advanced Three Dimensional Art	SUPPLY	$17.50
0165	AP Art History	SUPPLY-PPBK	$25.00
0165	AP Art History	SUPPLY	$25.00
0167	Printmaking	SUPPLY	$20.00
0169	Portfolio Exit Project	SUPPLY	$20.00
0171	Entertainment Design I	TEXTBOOK	$8.23
0173	AP 2D Art & Design: Photography	AP EXAM	$96.00
0173	AP 2D Art & Design: Photography	SUPPLY	$35.00
0175	AP 3D Art & Design	AP EXAM	$96.00
0175	AP 3D Art & Design	SUPPLY	$35.00
0203	Intro to Computer Science PLTW	SUPPLY	$3.00
0204	Intro to Computer Science PLTW	SUPPLY	$3.00
0205	Computer Illustr and Graphics	SUPPLY	$10.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0207	Pers Financial Responsibility	SUPPLY	$2.00
0208	Pers Financial Responsibility	SUPPLY	$2.00
0209	Business Law and Ethics	SUPPLY	$3.00
0211	Introduction to Entrepreneursh	SUPPLY	$3.00
0212	Introduction to Entrepreneursh	SUPPLY	$3.00
0213	Intro to Accounting	WORKBOOK	$39.86
0213	Intro to Accounting	WORKBOOK	$33.28
0213-N	Accounting Fundamentals	WORKBOOK	$39.86
0213-N	Accounting Fundamentals	WORKBOOK	$33.28
0215	Advanced Accounting	SUPPLY	$6.00
0215	Advanced Accounting	WORKBOOK	$33.28
0217	Computer Science I	SUPPLY	$3.00
0217	Flashdrives	CNSMBL	$5.66
0217-N	Principles of Computing	SUPPLY	$3.00
0217-N	Flashdrives	CNSMBL	$5.66
0219	Computer Science II	SUPPLY	$3.00
0219	Flashdrives	CNSMBL	$5.66
0219-N	Topics in Computer Science	SUPPLY	$3.00
0219-N	Flashdrives	CNSMBL	$5.66
0221	Computer Science III: Prjcts, Games & Dsgn	SUPPLY	$5.00
0221	Flashdrives	CNSMBL	$5.66
0222	Computer Science III: Cybersecurity	SUPPLY	$3.00
0222-N	Network & Cybersecurity Operations	SUPPLY	$3.00
0223	ACP Cadet Teaching: Education Prfsns I	SUPPLY	$6.00
0223	ACP Cadet Teaching: Education Prfsns I	SUPPLY-PPBK	$24.00
0225	Bus Rel Work Exp - Class	SUPPLY	$5.00
0229	Principles of Marketing	SUPPLY	$2.00
0229-N	Marketing Fundamentals	SUPPLY	$2.00
0231	Adv Cadet Teaching: Education Prfsns II	SUPPLY	$2.00
0231	Adv Cadet Teaching: Education Prfsns II	TEXTBOOK	$9.00
0233	Strategic Marketing	SUPPLY	$4.00
0235	Introduction to Business	SUPPLY	$3.00
0236	Introduction to Business	SUPPLY	$3.00
0237	Principles of Bus Mgmt	SUPPLY	$3.00
0237-N	Principles of Bus Mgmt-N	SUPPLY	$3.00
0239	Networking I	SUPPLY	$15.00
0255	Sports and Ent Marketing	SUPPLY	$3.00
0261	AP Computer Science PLTW	SUPPLY	$3.00
0265	ACP Principles of Business Management B190	SUPPLY	$2.00
0265	ACP Principles of Business Management B190	TEXTBOOK	$19.78
0266	ACP Principles of Business Management B190	SUPPLY	$2.00
0266	ACP Principles of Business Management B190	TEXTBOOK	$19.78
0267	Banking and Invest Capstone	SUPPLY	$2.00
0269	Digital Apps and Resp	SUPPLY	$3.00
0270	Digital Apps and Resp	SUPPLY	$3.00
0301	English 9	SUPPLY-PPBK	$29.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0301	English 9	SUPPLY	$5.00
0305	English 9 Honors	SUPPLY-PPBK	$31.00
0305	English 9 Honors	SUPPLY	$5.00
0307	English 10	SUPPLY-PPBK	$29.00
0307	English 10	SUPPLY	$5.00
0308	English 10- DC	SUPPLY-PPBK	$29.00
0308	English 10- DC	SUPPLY	$5.00
0311	English 10 Hon	SUPPLY-PPBK	$31.00
0311	English 10 Hon	SUPPLY	$5.00
0313	English 11	SUPPLY-PPBK	$30.00
0313	English 11	SUPPLY	$5.00
0314	English 11- DC	SUPPLY-PPBK	$30.00
0314	English 11- DC	SUPPLY	$5.00
0315	AP English Language 11	SUPPLY-PPBK	$40.00
0315	AP English Language 11	SUPPLY	$5.00
0320	English 11 Honors Seminar	SUPPLY-PPBK	$30.00
0320	English 11 Honors Seminar	SUPPLY	$5.00
0321	English 12	SUPPLY-PPBK	$30.00
0321	English 12	SUPPLY	$7.00
0325	ACP Composition - W131	SUPPLY	$4.00
0325	ACP Composition - W131	TEXTBOOK	$112.05
0326	ACP Literature - L202	SUPPLY-PPBK	$22.00
0326	ACP Literature - L202	SUPPLY	$4.00
0326	ACP Literature - L202	TEXTBOOK	$96.66
0327	AP Eng Lang Sem	SUPPLY-PPBK	$40.00
0327	AP Eng Lang Sem	SUPPLY	$5.00
0329	AP English Literature	SUPPLY-PPBK	$36.00
0329	AP English Literature	SUPPLY	$5.00
0333	Journalism	SUPPLY	$3.00
0337	Student Media-Yearbook	SUPPLY	$5.00
0339	Creative Writing	SUPPLY	$3.00
0340	Composition	SUPPLY	$3.00
0341	Student Media-Spectrum	SUPPLY	$20.00
0343	Theatre Arts I	SUPPLY	$12.50
0344	Theatre Arts II	SUPPLY	$12.50
0345	Adv Theatre Arts I	SUPPLY	$12.50
0346	Adv Theatre Arts II	SUPPLY	$12.50
0347	Tech Theatre I	SUPPLY	$6.00
0347	Costume Make-up	CNSMBL	$9.00
0348	Tech Theatre II	SUPPLY	$6.00
0348	Costume Make-up	CNSMBL	$9.00
0349	Debate I	SUPPLY	$20.00
0353	Critical Thinking and Argument	SUPPLY	$5.00
0355	Developmental Reading I	SUPPLY	$7.00
0369	Radio and TV I	SUPPLY	$10.00
0369-N	Principles of Broadcasting	SUPPLY	$10.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0371	Radio and TV II	SUPPLY	$10.00
0371-N	Audio & Video Production Essentials	SUPPLY	$10.00
0373	Film Literature	SUPPLY	$7.50
0374	Film Literature	SUPPLY	$7.50
0379	Developmental Reading II	SUPPLY	$7.00
0381	Adv Tech Thtr I	SUPPLY	$6.00
0381	Costume Make-up	CNSMBL	$9.00
0382	Adv Tech Thtr II	SUPPLY	$6.00
0382	Costume Make-up	CNSMBL	$9.00
0383	Adv Acting I	SUPPLY	$12.50
0384	Adv Acting II	SUPPLY	$12.50
0393	Sports Journalism	SUPPLY	$10.00
0397	Themes in Lit - Mythology	SUPPLY-PPBK	$15.00
0397	Themes in Lit - Mythology	SUPPLY	$5.00
0398	English 12- ENGL 111	SUPPLY-PPBK	$10.00
0398	English 12- ENGL 111	SUPPLY	$5.00
0399	English 12- ENGL 215	SUPPLY-PPBK	$10.00
0399	English 12- ENGL 215	SUPPLY	$5.00
0401	French I	SUPPLY	$5.00
0401	French I	TEXTBOOK	$24.76
0403	French II	SUPPLY	$5.00
0403	French II	TEXTBOOK	$26.07
0405	French III	SUPPLY	$5.00
0405	French III	TEXTBOOK	$26.07
0406	French V	SUPPLY-PPBK	$25.00
0406	French V	SUPPLY	$5.00
0407	French IV	SUPPLY-PPBK	$25.00
0407	French IV	SUPPLY	$5.00
0408	AP French	SUPPLY-PPBK	$11.00
0408	AP French	SUPPLY	$5.00
0409	German I	SUPPLY	$5.00
0409	German I	TEXTBOOK	$28.23
0411	German II	SUPPLY	$5.00
0411	German II	TEXTBOOK	$26.59
0413	German III	SUPPLY-PPBK	$36.50
0413	German III	SUPPLY	$5.00
0415	German IV	SUPPLY-PPBK	$40.18
0415	German IV	SUPPLY	$5.00
0416	AP German	SUPPLY	$5.00
0417	Spanish I	SUPPLY	$5.00
0417	Spanish I	TEXTBOOK	$25.36
0419	Spanish II	SUPPLY	$5.00
0419	Spanish II	TEXTBOOK	$25.51
0421	Spanish III	SUPPLY	$5.00
0421	Spanish III	TEXTBOOK	$25.57
0423	Spanish IV	SUPPLY-PPBK	$26.80

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0423	Spanish IV	SUPPLY	$5.00
0423	Spanish IV	WORKBOOK	$19.00
0424	AP Spanish	SUPPLY-PPBK	$30.00
0424	AP Spanish	SUPPLY	$5.00
0425	Japanese I	SUPPLY	$3.00
0425	Japanese I	TEXTBOOK	$18.19
0425	Japanese I	WORKBOOK	$35.99
0427	Japanese V	SUPPLY	$3.00
0427	Japanese V	TEXTBOOK	$23.39
0431	Japanese II	SUPPLY	$3.00
0431	Japanese II	TEXTBOOK	$20.79
0431	Japanese II	WORKBOOK	$37.99
0433	Japanese III	SUPPLY	$3.00
0433	Japanese III	TEXTBOOK	$23.39
0433	Japanese III	WORKBOOK	$37.59
0435	Japanese IV	SUPPLY	$3.00
0435	Japanese IV	TEXTBOOK	$23.39
0437	American Sign Language I	SUPPLY	$2.50
0437	American Sign Language I	TEXTBOOK	$23.22
0439	American Sign Language II	SUPPLY	$2.50
0439	American Sign Language II	TEXTBOOK	$31.43
0441	American Sign Language III	SUPPLY	$2.50
0441	American Sign Language III	WORKBOOK	$57.37
0443	American Sign Language IV	SUPPLY	$2.50
0445	Spanish I Accelerated	SUPPLY	$5.00
0445	Spanish I Accelerated	TEXTBOOK	$25.36
0447	Chinese I	SUPPLY	$5.00
0447	Chinese I	TEXTBOOK	$16.50
0447	Chinese I	WORKBOOK	$31.20
0449	Chinese II	SUPPLY	$5.00
0449	Chinese II	TEXTBOOK	$12.00
0449	Chinese II	WORKBOOK	$31.73
0453	Spanish II Accelerated	SUPPLY	$5.00
0453	Spanish II Accelerated	TEXTBOOK	$25.51
0455	Spanish III Accelerated	SUPPLY	$5.00
0455	Spanish III Accelerated	TEXTBOOK	$25.57
0457	Chinese III	SUPPLY	$5.00
0457	Chinese III	TEXTBOOK	$11.50
0457	Chinese III	WORKBOOK	$42.31
0467	Chinese IV	SUPPLY	$5.00
0467	Chinese IV	TEXTBOOK	$11.90
0469	AP Chinese	AP EXAM	$96.00
0469	AP Chinese	SUPPLY	$5.00
0469	AP Chinese	TEXTBOOK	$23.75
0469	AP Chinese	WORKBOOK	$30.39
0501	Phys Ed I	SUPPLY	$5.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0502	Phys Ed II	SUPPLY	$5.00
0503	Applied Physical Education I	SUPPLY	$5.00
0504	Applied Physical Education II	SUPPLY	$5.00
0505	Fitness I	SUPPLY	$1.72
0505	Pencils	CNSMBL	$0.28
0506	Fitness I	SUPPLY	$1.72
0506	Pencils	CNSMBL	$0.28
0507	Advanced Team Sports - Co-ed	SUPPLY	$5.00
0508	Advanced Team Sports - Co-ed	SUPPLY	$5.00
0509	Fitness II	SUPPLY	$1.72
0509	Pencils	CNSMBL	$0.28
0510	Fitness II	SUPPLY	$1.72
0510	Pencils	CNSMBL	$0.28
0513	Lifeguard Training	SUPPLY	$0.65
0513	Certification Fee	CNSMBL	$43.00
0513	CPR Masks	CNSMBL	$5.35
0513	Lifeguard Training	WORKBOOK	$31.83
0514	Lifeguard Training	SUPPLY	$0.65
0514	Certification Fee	CNSMBL	$43.00
0514	CPR Masks	CNSMBL	$5.35
0514	Lifeguard Training	WORKBOOK	$31.83
0515	Health and Wellness Education	SUPPLY	$2.37
0515	CPR Mouthpieces	CNSMBL	$1.80
0515	Dry Erase Markers (2)	CNSMBL	$1.83
0516	Health and Wellness Education	SUPPLY	$2.37
0516	CPR Mouthpieces	CNSMBL	$1.80
0516	Dry Erase Markers (2)	CNSMBL	$1.83
0517	Adv Health Ed	SUPPLY	$2.50
0518	Adv Health Ed	SUPPLY	$2.50
0521	Water Activities	SUPPLY	$3.00
0522	Water Activities	SUPPLY	$3.00
0525	0 Hour Phys Cond	SUPPLY	$5.00
0525	Software Fee	CNSMBL	$2.00
0526	0 Hour Phys Cond	SUPPLY	$5.00
0526	Software Fee	CNSMBL	$2.00
0529	Physical Conditioning FB	SUPPLY	$5.00
0529	Software Fee	CNSMBL	$2.00
0530	Physical Conditioning FB	SUPPLY	$5.00
0530	Software Fee	CNSMBL	$2.00
0533	XFIT	SUPPLY	$9.18
0533	Comp. Notebook	CNSMBL	$0.82
0534	XFIT	SUPPLY	$9.18
0534	Comp. Notebook	CNSMBL	$0.82
0535	Health Sci Educ I	SUPPLY	$4.79
0535	Kiniesiology Tape	CNSMBL	$30.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0535	Athletic Tape	CNSMBL	$2.50
0535	Wrap Tape	CNSMBL	$0.88
0535	Dry Erase Markers	CNSMBL	$1.83
0535	Health Sci Educ I	TEXTBOOK	**TBD**
0535-N	Principles of Exercise Science	SUPPLY	$4.79
0535-N	Kiniesiology Tape	CNSMBL	$30.00
0535-N	Athletic Tape	CNSMBL	$2.50
0535-N	Wrap Tape	CNSMBL	$0.88
0535-N	Dry Erase Markers	CNSMBL	$1.83
0535-N	Health Sci Educ I	TEXTBOOK	**TBD**
0537	Physical Conditioning (cr)	SUPPLY	$5.00
0537	Software Fee	CNSMBL	$2.00
0538	Physical Conditioning (cr)	SUPPLY	$5.00
0538	Software Fee	CNSMBL	$2.00
0541	Basketball - Recreation	SUPPLY	$5.98
0541	Whistle/Lanyard	CNSMBL	$2.02
0542	Basketball - Recreation	SUPPLY	$5.98
0542	Whistle/Lanyard	CNSMBL	$2.02
0543	Whistle/Lanyard	CNSMBL	$8.75
0543	Officiating I	TEXTBOOK	$60.00
0544	Whistle/Lanyard	CNSMBL	$8.75
0544	Officiating II	TEXTBOOK	$60.00
0547	Adv Team Sports - Girls	SUPPLY	$5.00
0548	Adv Team Sports - Girls	SUPPLY	$5.00
0551	Physical Conditioning (no cr)	SUPPLY	$5.00
0551	Software Fee	CNSMBL	$2.00
0552	Physical Conditioning (no cr)	SUPPLY	$5.00
0552	Software Fee	CNSMBL	$2.00
0555	Phys Ed I- Phys Cond	SUPPLY	$5.00
0555	Software Fee	CNSMBL	$2.00
0556	Phys Ed II- Phys Cond	SUPPLY	$5.00
0556	Software Fee	CNSMBL	$2.00
0557	Health Science Education II: Athletic Training	SUPPLY	$4.79
0557	Kiniesiology Tape	CNSMBL	$30.00
0557	Athletic Tape	CNSMBL	$2.50
0557	Wrap Tape	CNSMBL	$0.88
0557	Dry Erase Markers	CNSMBL	$1.83
0557	Health Science Education II: Physical Therapy	TEXTBOOK	TBD
0559	Health Science Education II: Physical Therapy	SUPPLY	$4.79
0559	Kiniesiology Tape	CNSMBL	$30.00
0559	Athletic Tape	CNSMBL	$2.50
0559	Wrap Tape	CNSMBL	$0.88
0559	Dry Erase Markers	CNSMBL	$1.83
0559	Health Science Education II: Physical Therapy	TEXTBOOK	TBD
0602	First Tech Challenge FTC 9	SUPPLY	$40.00
0603	Computer Design and Production	SUPPLY	$16.05

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0603	Build & Grow Sports Arena Project Kit	CNSMBL	$8.98
0604	Architectural Design I	SUPPLY	$18.91
0604	Graphing notebook	CNSMBL	$1.09
0604-N	Principles of Architecture	SUPPLY	$18.91
0604-N	Graphing notebook	CNSMBL	$1.09
0605	PLTW Intro to Eng Design	SUPPLY	$22.59
0605	Graphing notebook	CNSMBL	$1.09
0605	Wind up toy to take apart	CNSMBL	$1.32
0605-N	PLTW Intro to Eng Design	SUPPLY	$22.59
0605-N	Graphing notebook	CNSMBL	$1.09
0605-N	Wind up toy to take apart	CNSMBL	$1.32
0606	PLTW Intro to Eng Design - G	SUPPLY	$22.59
0606	Graphing notebook	CNSMBL	$1.09
0606	Wind up toy to take apart	CNSMBL	$1.32
0606-N	PLTW Intro to Eng Design - G	SUPPLY	$22.59
0606-N	Graphing notebook	CNSMBL	$1.09
0606-N	Wind up toy to take apart	CNSMBL	$1.32
0607	PLTW Principles Of Engineering	SUPPLY	$23.91
0607	Graphing notebook	CNSMBL	$1.09
0607-N	PLTW Principles Of Engineering	SUPPLY	$23.91
0607-N	Graphing notebook	CNSMBL	$1.09
0608	PLTW Eng Design and Dev	SUPPLY	$23.91
0608	Graphing notebook	CNSMBL	$1.09
0609	Automation and Robotics I	SUPPLY	$46.00
0610	Automation and Robotics II	SUPPLY	$46.00
0612	First Tech Challenge FTC 10	SUPPLY	$40.00
0613	PLTW Digital Electronics	SUPPLY	$4.30
0613	Lighthouse soldering kit	CNSMBL	$5.65
0613	Bug soldering kit	CNSMBL	$9.95
0613	Piano soldering kit	CNSMBL	$7.95
0613	Star soldering kit	CNSMBL	$8.90
0613	Coin cell battery 20mm	CNSMBL	$1.95
0613	9 v battery	CNSMBL	$1.30
0614	FIRST Tech Challenge FTC 9 (0 HR)	SUPPLY	$40.00
0615	Information Tech Support I	SUPPLY	$6.69
0615	Tool kit	CNSMBL	$13.31
0615-N	IT Principles of Computing	SUPPLY	$6.69
0615-N	Tool kit	CNSMBL	$13.31
0616	FIRST Tech Challenge FTC 10 (0 HR)	SUPPLY	$40.00
0620	Welding Technology I	SUPPLY	$17.51
0620	Graphing notebook	CNSMBL	$1.09
0620	Argon,Oxygen gases	CNSMBL	$31.40
0622	Welding Technology II	SUPPLY	$45.00
0625	Advanced Manufacturing I	SUPPLY	$48.91
0625	Graphing notebook	CNSMBL	$1.09
0625-N	Principles of Advanced Manufacturing	SUPPLY	$48.91

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0625-N	Graphing notebook	CNSMBL	$1.09
0627	Advanced Manufacturing II	SUPPLY	$48.91
0627	Graphing notebook	CNSMBL	$1.09
0627-N	Advanced Manufacturing Technology	SUPPLY	$48.91
0627-N	Graphing notebook	CNSMBL	$1.09
0629	Construction Trades I	SUPPLY	$25.88
0629	Clock dial	CNSMBL	$7.50
0629	Pen kit	CNSMBL	$1.62
0629-N	Principles of Construction	SUPPLY	$25.88
0629-N	Clock dial	CNSMBL	$7.50
0629-N	Pen kit	CNSMBL	$1.62
0631	Construction Trades II	SUPPLY	$45.00
0631-N	Civil Construction Fundamentals	SUPPLY	$45.00
0633 AM	Building Trades I	SUPPLY	$30.00
0633 AM	Building Trades I	TEXTBOOK	$14.49
0633 PM	Building Trades I	SUPPLY	$30.00
0633 PM	Building Trades I	TEXTBOOK	$14.49
0635 AM	Building Trades II	TEXTBOOK	$14.49
0635 PM	Building Trades II	TEXTBOOK	$14.49
0643	Animal Science	SUPPLY	$14.00
0644	Intro to Agriculture - IAFNR	SUPPLY	$7.00
0645	Adv Life Science Animal	SUPPLY	$14.00
0647	Agribus Mgmt	SUPPLY	$7.00
0649	Natural Resources	SUPPLY	$7.00
0651	Landscape Mgmt	SUPPLY	$7.00
0653	PLTW Aerospace Engineering	SUPPLY	$36.00
0654	Architectural Design III	SUPPLY	$20.00
0655	PLTW Civil Eng-Architecture	SUPPLY	$18.91
0655	Graphing notebook	CNSMBL	$1.09
0656	Architectural Design II	SUPPLY	$18.91
0656	Graphing notebook	CNSMBL	$1.09
0656-N	Architectural Construction Trades	SUPPLY	$18.91
0656-N	Graphing notebook	CNSMBL	$1.09
0659	Horticultural Science	SUPPLY	$7.00
0659-N	Horticultural Science-N	SUPPLY	$7.00
0677	Robotics Internship I	SUPPLY	$32.00
0678	Robotics Internship II	SUPPLY	$32.00
0707	Algebra - 9	SUPPLY	$5.00
0707	Algebra - 9	TEXTBOOK	$28.66
0710	Analytical Algebra II	SUPPLY	$5.00
0710	Composition book-lined	CNSMBL	$1.63
0710	Analytical Algebra II	TEXTBOOK	$34.59
0712	Algebra II Accelerated	TEXTBOOK	$34.59
0712	Algebra II Accelerated	SUPPLY	$5.00
0712	Binder	CNSMBL	$1.63
0713	Algebra II H - 9	SUPPLY	$5.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0713	Binder	CNSMBL	$1.63
0713	Algebra II H - 9	TEXTBOOK	$34.59
0714	Alg II H 10-12	TEXTBOOK	$34.59
0717	Algebra I	SUPPLY	$4.37
0717	Binder	CNSMBL	$1.63
0717	Algebra I	TEXTBOOK	$28.66
0718	Algebra I 10-12	SUPPLY	$5.00
0718	Algebra I 10-12	TEXTBOOK	$28.66
0724	Algebra II	SUPPLY	$4.37
0724	Binder	CNSMBL	$1.63
0724	Algebra II	TEXTBOOK	$34.59
0725	Algebra II Accelerated	SUPPLY	$4.37
0725	Binder	CNSMBL	$1.63
0725	Algebra II Accelerated	TEXTBOOK	$31.19
0726	Geometry Acc 10	SUPPLY	$4.37
0726	Binder	CNSMBL	$1.63
0726-N	Geometry Acc 9	SUPPLY	$4.37
0726-N	Binder	CNSMBL	$1.63
0728	Geometry	SUPPLY	$4.37
0728	Binder	CNSMBL	$1.63
0728	Geometry	TEXTBOOK	$31.19
0732	Trigonometry	SUPPLY	$2.00
0732	Trigonometry	TEXTBOOK	$30.05
0733	Pre-Calculus Honors	SUPPLY	$2.00
0733	Pre-Calculus Honors	TEXTBOOK	$30.04
0735	Pre Calculus Accelerated	SUPPLY	$2.00
0735	Pre Calculus Accelerated	TEXTBOOK	$30.04
0736	Trigonometry Accelerated	SUPPLY	$2.00
0736	Trigonometry Accelerated	TEXTBOOK	$30.05
0737	AP Calculus AB	SUPPLY	$4.00
0737	AP Calculus AB	TEXTBOOK	$61.88
0738	Trigonometry Honors	SUPPLY	$2.00
0738	Trigonometry Honors	TEXTBOOK	$30.05
0739	CCR Bridge- Math	SUPPLY	$4.37
0739	Binder	CNSMBL	$1.63
0745	AP Calculus BC	SUPPLY	$4.00
0745	AP Calculus BC	TEXTBOOK	$61.88
0747	Multivariable Calculus	SUPPLY	$4.00
0749	Differential Equations	SUPPLY	$4.00
0749	Differential Equations	TEXTBOOK	$18.61
0753	Pre Calculus	SUPPLY	$2.00
0753	Pre Calculus	TEXTBOOK	$30.04
0759	Finite Math Ivy Tech 135	SUPPLY	$4.00
0759	Finite Math Ivy Tech 135	TEXTBOOK	$25.27
0765	ACP Calculus I M215	SUPPLY	$4.00
0765	ACP Calculus I M215	TEXTBOOK	$61.88

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0767	AP Statistics	SUPPLY	$4.00
0767	AP Statistics	TEXTBOOK	$49.68
0769	ACP Calculus II M216	SUPPLY	$4.00
0769	ACP Calculus II M216	TEXTBOOK	$61.88
0771	Probability and Statistics	SUPPLY	$4.00
0772	Probability and Statistics	SUPPLY	$4.00
0773	Math 10	SUPPLY	$5.00
0775	Algebra I Lab	SUPPLY	$5.00
0778	Intensified Algebra I	SUPPLY	$5.00
0778	Intensified Algebra I	TEXTBOOK	$28.66
0787	A Brief Survey of Calculus M119	SUPPLY	$4.00
0787	A Brief Survey of Calculus M119	TEXTBOOK	$31.50
0789	College Algebra Ivy Tech 136	SUPPLY	$4.00
0789	College Algebra Ivy Tech 136	TEXTBOOK	$60.09
0800	Fine Arts Connections Capstone	SUPPLY	$5.00
0801	Beg Choral-Singing Kingsmen	SUPPLY	$20.00
0801	Sheet Music	CNSMBL	$10.00
0803	Beginning Choral-Bel Canto	SUPPLY	$20.00
0803	Sheet Music	CNSMBL	$10.00
0805	Int Choral-Singing Kingsmen	SUPPLY	$15.00
0805	Sheet Music	CNSMBL	$10.00
0807	Int Choral-Cantabile Chorus	SUPPLY	$10.00
0807	Sheet Music	CNSMBL	$20.00
0809	Advanced Choral-Bella Voce	SUPPLY	$25.00
0809	Sheet Music	CNSMBL	$10.00
0811	Advanced Choral-Concert Choir	SUPPLY	$25.00
0811	Sheet Music	CNSMBL	$10.00
0813	Advanced Choral - Rhapsody	SUPPLY	$20.00
0813	Sheet Music	CNSMBL	$20.00
0813	Performance Costumes	CNSMBL	$80.00
0814	Advanced Choral-Viva Voce	SUPPLY	$20.00
0814	Sheet Music	CNSMBL	$50.00
0815	Music Theory and Composition	SUPPLY	$15.00
0815	Technology Subscription	CNSMBL	$69.00
0817	Int Concert Band- 9	SUPPLY	$30.00
0817	Sheet Music	CNSMBL	$15.00
0819	Int Concert Band	SUPPLY	$30.00
0819	Sheet Music	CNSMBL	$15.00
0823	Percussion Studies	SUPPLY	$30.00
0823	Sheet Music	CNSMBL	$15.00
0825	Adv Percussion Studies	SUPPLY	$30.00
0825	Sheet Music	CNSMBL	$15.00
0827	Intermed Jazz Ens	SUPPLY	$12.00
0827	Sheet Music	CNSMBL	$8.00
0829	Advanced Jazz Ens	SUPPLY	$12.00
0829	Sheet Music	CNSMBL	$8.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0831	String Orchestra	SUPPLY	$30.00
0831	Sheet Music	CNSMBL	$15.00
0833	Symphonic Orchestra	SUPPLY	$30.00
0833	Sheet Music	CNSMBL	$15.00
0834	Philharmonic Orchestra	SUPPLY	$30.00
0834	Sheet Music	CNSMBL	$15.00
0835	Dance Perf I	SUPPLY	$7.50
0836	Dance Perf II	SUPPLY	$7.50
0837	Dance Choreography I	SUPPLY	$2.50
0838	Dance Choreography II	SUPPLY	$2.50
0839	Adv Concert Band- Sym Band	SUPPLY	$30.00
0839	Sheet Music	CNSMBL	$15.00
0841	Adv Concert Band- Sym Wind	SUPPLY	$30.00
0841	Sheet Music	CNSMBL	$15.00
0843	Music Technology I	SUPPLY	$16.00
0844	Music Technology II	SUPPLY	$16.00
0845	AP Music Theory	AP EXAM	$96.00
0845	AP Music Theory	SUPPLY	$9.00
0845	Noteflight Subscription	CNSMBL	$12.00
0845	Musition/Aruralia Subscription	CNSMBL	$59.00
0847	Concert Orchestra	SUPPLY	$30.00
0847	Sheet Music	CNSMBL	$15.00
0849	Instrumental Chamber Music	SUPPLY	$30.00
0849	Sheet Music	CNSMBL	$15.00
0850	Advanced Dance I	SUPPLY	$37.50
0851	Advanced Dance II	SUPPLY	$37.50
0853	Dance Choreography III	SUPPLY	$2.50
0854	Dance Choreography IV	SUPPLY	$2.50
0857	Chamber Orchestra	SUPPLY	$30.00
0857	Sheet Music	CNSMBL	$15.00
0905	Biology I	SUPPLY	$6.02
0905	Binder	CNSMBL	$1.63
0905	Spiral Notebook	CNSMBL	$0.35
0907	Biology I Honors	SUPPLY	$6.02
0907	Binder	CNSMBL	$1.63
0907	Spiral Notebook	CNSMBL	$0.35
0909	PLTW Princ of Biomed Sci	SUPPLY	$7.62
0909	Composition book-lined	CNSMBL	$1.38
0909-N	PLTW Princ of Biomed Sci	SUPPLY	$7.62
0909-N	Composition book-lined	CNSMBL	$1.38
0911	PLTW Human Body Syst	SUPPLY	$8.62
0911	Composition book-lined	CNSMBL	$1.38
0911-N	PLTW Human Body Syst	SUPPLY	$8.62
0911-N	Composition book-lined	CNSMBL	$1.38
0913	Anatomy & Physiology	SUPPLY	$23.37
0913	Binder	CNSMBL	$1.63

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0913	Anatomy & Physiology	TEXTBOOK	$15.39
0915	Integrated Chemistry-Physics	SUPPLY	$7.62
0915	Composition book-lined	CNSMBL	$1.38
0919	Chemistry I Honors	SUPPLY	$3.31
0919	Composition book-grid	CNSMBL	$1.69
0919	Chemistry I Honors	TEXTBOOK	$15.78
0921	Chemistry I	SUPPLY	$1.56
0921	Composition book-lined x2	CNSMBL	$2.76
0921	Binder	CNSMBL	$1.68
0921	Chemistry I	TEXTBOOK	$13.53
0923	Chemistry II	SUPPLY	$3.62
0923	Composition book	CNSMBL	$1.38
0923	Chemistry II	TEXTBOOK	$23.16
0925	Astronomy	SUPPLY	$1.32
0925	Binder	CNSMBL	$1.68
0925	Astronomy	WORKBOOK	$43.00
0929	Physics I	SUPPLY	$4.00
0933	Physics II	SUPPLY	$4.00
0933	Physics II	TEXTBOOK	$20.25
0935	AP Biology	SUPPLY	$12.00
0937	AP Chemistry	SUPPLY	$5.31
0937	Composition book-grid	CNSMBL	$1.69
0937	AP Chemistry	TEXTBOOK	$24.96
0941	Earth-Space Science	SUPPLY	$6.00
0943	Environmental Science	SUPPLY	$12.62
0943	Composition book-lined	CNSMBL	$1.38
0943	Environmental Science	TEXTBOOK	$16.35
0945	AP Environmental Science	SUPPLY	$12.62
0945	Composition book-lined	CNSMBL	$1.38
0945	AP Environmental Science	TEXTBOOK	$16.35
0947	AP Physics II - C-E&M	SUPPLY	$3.00
0947	AP Physics II - C-E&M	TEXTBOOK	$35.55
0949	Nanotechnology	SUPPLY	$4.00
0950	Nanotechnology	SUPPLY	$4.00
0951	Forensic Science	SUPPLY	$8.00
0951	Forensic Science	TEXTBOOK	$6.96
0952	Forensic Science	SUPPLY	$8.00
0952	Forensic Science	TEXTBOOK	$6.96
0953	Science Research Ind Std	SUPPLY	$4.00
0955	Oceanography	SUPPLY	$8.37
0955	Binder	CNSMBL	$1.63
0961	PLTW Medical Interventions	SUPPLY	$64.62
0961	Composition book-lined	CNSMBL	$1.38
0963	AP Physics I-C-Mech	SUPPLY	$6.00
0963	AP Physics I-C-Mech	TEXTBOOK	$35.55
0965	ACP Biology - IU L100	SUPPLY	$26.62

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
0965	Composition book-lined	CNSMBL	$1.38
0965	ACP Biology - IU L100	TEXTBOOK	$41.19
0967	PLTW Biomedical Innovation	SUPPLY	$40.62
0967	Composition book-lined	CNSMBL	$1.38
0969	AP Physics I: Algebra Based	SUPPLY	$1.62
0969	Composition book-lined	CNSMBL	$1.38
0969	AP Physics I: Algebra Based	TEXTBOOK	$35.55
1001	Interpersonal Relationships	SUPPLY	$3.00
1003	Hum Dev & Well	SUPPLY	$3.00
1005	Early Childhood Education II	SUPPLY	$9.00
1007	Culinary Arts and Hosp I	SUPPLY	$30.00
1007-N	Principles of Culinary & Hospitality	SUPPLY	$30.00
1009	Culinary Arts and Hosp II	SUPPLY	$30.00
1009-N	Nutrition	SUPPLY	$30.00
1011	Adult Roles & Resp	SUPPLY	$3.00
1012	Intro House & Int Dsgn	SUPPLY	$7.24
1012	Sketchbook	CNSMBL	$1.34
1012	Colored Pencils	CNSMBL	$1.42
1013	Introducation to Culinary Arts & Hospitality	SUPPLY	$3.00
1013	Introducation to Culinary Arts & Hospitality	TEXTBOOK	$21.60
1014	Adult Roles & Resp	SUPPLY	$3.00
1016	Introducation to Culinary Arts & Hospitality	SUPPLY	$3.00
1016	Introducation to Culinary Arts & Hospitality	TEXTBOOK	$21.60
1017	Human and Social Services I	SUPPLY	$3.00
1022	Hum Dev & Well	SUPPLY	$3.00
1023	Early Childhood Education I	SUPPLY	$4.50
1024	Interpersonal Relationships	SUPPLY	$3.00
1025	Intro to Fashion and Textiles	SUPPLY	$4.15
1025	Sewing Patterns	CNSMBL	$6.00
1025	Thread	CNSMBL	$3.50
1025	Bobbins	CNSMBL	$0.40
1025	Interfacing	CNSMBL	$0.50
1025	Felt	CNSMBL	$0.30
1025	Ceramic Tile	CNSMBL	$0.16
1025	Clear Vinyl	CNSMBL	$0.50
1025	Zippers	CNSMBL	$1.00
1025	Buttons	CNSMBL	$0.20
1025	Emroidery Floss	CNSMBL	$1.00
1025	Hand Needles	CNSMBL	$0.54
1025	Machine Needles	CNSMBL	$2.50
1025	Cotton Woven Fabric	CNSMBL	$5.00
1025	Polyester fiberfill stuffing	CNSMBL	$1.00
1025	Ribbon	CNSMBL	$0.20
1025	3/4" elastic	CNSMBL	$0.35
1025	3/8" cording	CNSMBL	$2.70
1025-N	Principles of Fashion & Textiles	SUPPLY	$4.15

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
1025-N	Sewing Patterns	CNSMBL	$6.00
1025-N	Thread	CNSMBL	$3.50
1025-N	Bobbins	CNSMBL	$0.40
1025-N	Interfacing	CNSMBL	$0.50
1025-N	Felt	CNSMBL	$0.30
1025-N	Ceramic Tile	CNSMBL	$0.16
1025-N	Clear Vinyl	CNSMBL	$0.50
1025-N	Zippers	CNSMBL	$1.00
1025-N	Buttons	CNSMBL	$0.20
1025-N	Emroidery Floss	CNSMBL	$1.00
1025-N	Hand Needles	CNSMBL	$0.54
1025-N	Machine Needles	CNSMBL	$2.50
1025-N	Cotton Woven Fabric	CNSMBL	$5.00
1025-N	Polyester fiberfill stuffing	CNSMBL	$1.00
1025-N	Ribbon	CNSMBL	$0.20
1025-N	3/4" elastic	CNSMBL	$0.35
1025-N	3/8" cording	CNSMBL	$2.70
1027	Sewing Patterns	CNSMBL	$10.00
1027	Interfacing	CNSMBL	$2.00
1027	Bobbins	CNSMBL	$0.40
1027	Machine Needles	CNSMBL	$2.50
1027	Fusible Fleece	CNSMBL	$0.10
1027-N	Sewing Patterns	CNSMBL	$10.00
1027-N	Interfacing	CNSMBL	$2.00
1027-N	Bobbins	CNSMBL	$0.40
1027-N	Machine Needles	CNSMBL	$2.50
1027-N	Fusible Fleece	CNSMBL	$0.10
1029	Sewing Patterns	CNSMBL	$10.00
1029	Interfacing	CNSMBL	$2.00
1029	Bobbins	CNSMBL	$0.40
1029	Machine Needles	CNSMBL	$2.50
1029	Fusible Fleece	CNSMBL	$0.10
1103	World History and Civilization	SUPPLY	$5.00
1105	Geography-Hist of the World	SUPPLY	$5.00
1109	U S History	SUPPLY	$5.00
1115	Government	SUPPLY	$3.00
1116	Government	SUPPLY	$3.00
1121	Economics	SUPPLY	$2.50
1122	Economics	SUPPLY	$2.50
1123	AP Macro Economics	AP EXAM	$96.00
1123	AP Macro Economics	SUPPLY	$2.50
1123	AP Macro Economics	TEXTBOOK	$21.21
1124	AP Micro Economics	AP EXAM	$96.00
1124	AP Micro Economics	SUPPLY	$2.50
1124	AP Micro Economics	TEXTBOOK	$21.21
1125	Psychology	SUPPLY	$5.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
1126	Psychology	SUPPLY	$5.00
1127	Sociology	SUPPLY	$5.00
1128	Sociology	SUPPLY	$5.00
1129	Current Problems Issues Events	SUPPLY	$10.00
1130	Current Problems Issues Events	SUPPLY	$10.00
1131	AP US History	AP EXAM	$96.00
1131	AP US History	WORKBOOK	$16.11
1131	AP US History	SUPPLY	$5.00
1135	AP Psychology	AP EXAM	$96.00
1135	AP Psychology	WORKBOOK	$11.16
1135	AP Psychology	SUPPLY	$5.00
1135	AP Psychology	TEXTBOOK	$40.49
1137	AP Human Geography	AP EXAM	$96.00
1137	AP Human Geography	WORKBOOK	$23.27
1137	AP Human Geography	SUPPLY	$4.00
1137	AP Human Geography	TEXTBOOK	$23.65
1138	AP US Gov and Politics	WORKBOOK	$11.16
1138	AP US Gov and Politics	SUPPLY	$3.00
1138	AP US Gov and Politics	AP EXAM	$96.00
1139	ACP Political Science Y103	SUPPLY	$3.00
1139	ACP Political Science Y103	TEXTBOOK	$35.00
1141	Intro To Gis	SUPPLY	$3.00
1142	Intro To Gis	SUPPLY	$3.00
1151	Citizenship and Civics	SUPPLY	$2.50
1152	Citizenship and Civics	SUPPLY	$2.50
1153	Anthropology	SUPPLY-PPBK	$15.00
1153	Anthropology	SUPPLY	$3.00
1154	Anthropology	SUPPLY-PPBK	$15.00
1154	Anthropology	SUPPLY	$3.00
1155	AP Comparative Gov-Politics	SUPPLY-PPBK	$28.00
1155	AP Comparative Gov-Politics	SUPPLY	$4.00
1155	AP Comparative Gov-Politics	TEXTBOOK	$15.00
1157	ACP US History	SUPPLY	$3.50
1157	ACP US History	TEXTBOOK	$15.06
1158	ACP US History	SUPPLY	$3.50
1161	AP US History-AP Eng Lang	AP EXAM	$96.00
1161	AP US History-AP Eng Lang	WORKBOOK	$16.11
1161	AP US History-AP Eng Lang	SUPPLY	$5.00
1163	AP World History	AP EXAM	$96.00
1163	AP World History	TEXTBOOK	$18.60
1163	AP World History	SUPPLY	$5.00
1165	AP European History	AP EXAM	$96.00
1165	AP European History	WORKBOOK	$12.39
1165	AP European History	SUPPLY	$7.00
1165	AP European History	TEXTBOOK	$30.23
1167	Ivy Tech US History H101	SUPPLY	$2.50

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
1167	Ivy Tech US History H101	TEXTBOOK	$15.06
1168	Ivy Tech US History H102	SUPPLY	$2.50
1169	Geog and HOTW Honors	SUPPLY	$5.00
1171	Social Justice-Sociology	SUPPLY	$2.50
1172	Social Justice-Anthropology	SUPPLY	$2.50
1175	Law Education	SUPPLY	$5.00
1176	Law Education	SUPPLY	$5.00
1177	AP Comp Gov & Pol	SUPPLY-PPBK	$11.00
1177	AP Comp Gov & Pol	SUPPLY	$5.00
1179	ACP US History Seminar	SUPPLY	$1.75
1179	ACP US History Seminar	TEXTBOOK	$15.06
1180	Ethnic Studies	SUPPLY	$4.00
1181	Indiana Studies	SUPPLY	$4.00
1182	ACP US History Seminar	SUPPLY	$1.75
1183	ACP Microeconomics	SUPPLY	$3.00
1183	ACP Microeconomics	TEXTBOOK	$51.86
1185	ACP Macroeconomics	SUPPLY	$3.00
1185	ACP Macroeconomics	TEXTBOOK	$51.86
1201	Applied English 9	SUPPLY-PPBK	$20.00
1201	Applied English 9	SUPPLY	$10.00
1203	Applied English 10	SUPPLY-PPBK	$20.00
1203	Applied English 10	SUPPLY	$10.00
1205	Applied English 11	SUPPLY-PPBK	$20.00
1205	Applied English 11	SUPPLY	$10.00
1207	Applied English 12	SUPPLY-PPBK	$20.00
1207	Applied English 12	SUPPLY	$10.00
1209	Applied Geography and History of the World	SUPPLY	$10.00
1213	Applied Civics	SUPPLY	$10.00
1216	Applied Money Matters	SUPPLY	$10.00
1229	Applied Health and Wellness	SUPPLY	$2.37
1229	CPR Mouthpieces	CNSMBL	$1.80
1229	Dry Erase Markers (2)	CNSMBL	$1.83
1230	Applied Health and Wellness	SUPPLY	$2.37
1230	CPR Mouthpieces	CNSMBL	$1.80
1230	Dry Erase Markers (2)	CNSMBL	$1.83
1231	LS Math	SUPPLY	$10.00
1233	Practical Mathematics I	SUPPLY	$10.00
1235	Applied Math I	SUPPLY	$10.00
1236	Applied Math II	SUPPLY	$10.00
1237	Applied Biology I	SUPPLY	$5.00
1238	Applied Bioligy II	SUPPLY	$5.00
1239	Work Experience	SUPPLY	$10.00
1240	Work Experience	SUPPLY	$10.00
1241	Work Experience	SUPPLY	$10.00
1242	Work Experience	SUPPLY	$10.00
1243	Work Experience	SUPPLY	$10.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
1244	Work Experience	SUPPLY	$10.00
1245	Work Experience	SUPPLY	$10.00
1246	Work Experience	SUPPLY	$10.00
1265	Learning Strategies	SUPPLY	$15.00
1266	Career Information	SUPPLY	$10.00
1283	Corr Read I Read 180 WS	SUPPLY	$10.00
1285	Corr Read II Read 180 WS	SUPPLY	$10.00
1287	Corr Read III Read 180 WS	SUPPLY	$10.00
1605	AP Seminar	SUPPLY	TBD
1605	AP Seminar	TEXTBOOK	TBD
1607	AP Research	SUPPLY	TBD
1607	AP Research	TEXTBOOK	TBD
1609	Topics in Psych-Sci of Happy	SUPPLY-PPBK	$30.00
1655	ELD 1	SUPPLY	$5.00
1656	ELD 2	SUPPLY	$5.00
1657	ELD 3	SUPPLY	$5.00
1790	Medical Statistics	SUPPLY	$5.00
1852	Information Tech Support II Capstone	SUPPLY	$6.69
1852	Tool kit	CNSMBL	$13.31
1857	Penn Lifeguard Internship	SUPPLY	$10.10
1857	Lifeguard Tank	CNSMBL	$9.50
1857	Whistle	CNSMBL	$2.00
1857	Lanyard	CNSMBL	$0.40
1858	Penn Lifeguard Internship	SUPPLY	$10.10
1858	Lifeguard Tank	CNSMBL	$9.50
1858	Whistle	CNSMBL	$2.00
1858	Lanyard	CNSMBL	$0.40
2200	LS Biology I	SUPPLY	$10.00
2202	Life Skills	SUPPLY	$40.00
2204	LS Language Arts	SUPPLY	$10.00
2206	LS Personal Management	SUPPLY	$10.00
2208	LS Social Studies	SUPPLY	$10.00
2210	LS Education and Training	SUPPLY	$10.00
2212	LS Language Arts 11	SUPPLY	$10.00
2214	LS Community Living	SUPPLY	$10.00
2220	LS Work Experience	SUPPLY	$10.00
2222	LS Employability	SUPPLY	$10.00
2224	LS Biology II	SUPPLY	$10.00
2226	LS Language Arts 10	SUPPLY	$10.00
2228	LS Language Arts 12	SUPPLY	$10.00
2301	English 9	SUPPLY-PPBK	$29.00
2301	English 9	SUPPLY	$5.00
2303	Integrated Chem & Phys	SUPPLY	$7.62
2303	Composition book-lined	CNSMBL	$1.38
2305	Geometry	SUPPLY	$5.37
2305	Binder	CNSMBL	$1.63

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
2305	Geometry	TEXTBOOK	$31.19
2306	Algebra I	SUPPLY	$5.37
2306	Binder	CNSMBL	$1.63
2306	Algebra I	TEXTBOOK	$28.66
2307	Geography and History of the World	SUPPLY	$6.00
2308	EC Algebra II	SUPPLY	$5.37
2308	Binder	CNSMBL	$1.63
2308	EC Algebra II	TEXTBOOK	$34.59
2309	Spanish I	SUPPLY	$6.00
2309	Spanish I	TEXTBOOK	$25.36
2310	Biology I	SUPPLY	$9.37
2310	Binder	CNSMBL	$1.63
2311	IVYT 111 Study Skills	SUPPLY	$1.50
2315	English 10 ENGL 095	SUPPLY-PPBK	$30.00
2315	English 10 ENGL 095	SUPPLY	$5.00
2317	Topics of History	SUPPLY	$3.00
2318	Topics of History	SUPPLY	$3.00
2319	Biology I	SUPPLY	$9.37
2319	Binder	CNSMBL	$1.63
2321	Algebra II	SUPPLY	$5.37
2321	Binder	CNSMBL	$1.63
2321	Algebra II	TEXTBOOK	$34.59
2323	Spanish II	SUPPLY	$5.00
2323	Spanish II	TEXTBOOK	$25.51
2326	CINS 101 Intro to Microcomputers	SUPPLY	$3.01
2326	Earbuds	CNSMBL	$1.49
2327	CINS 101 Intro to Microcomputers	SUPPLY	$3.01
2327	Earbuds	CNSMBL	$1.49
2329	English 11 - ENGL 111 - 1	SUPPLY-PPBK	$20.00
2329	English 11 - ENGL 111 - 1	SUPPLY	$5.00
2330	English 12- ENGL 215 - IVY TECH	SUPPLY	$5.00
2331	HIST 101 Survey of Amer Hist I	SUPPLY-PPBK	$20.00
2331	HIST 101 Survey of Amer Hist I	SUPPLY	$1.50
2332	HIST 102 Survey of Amer Hist II	SUPPLY	$1.50
2333	CHEM 101 Intro to Chemistry	SUPPLY	$3.31
2333	Composition book-grid	CNSMBL	$1.69
2333	CHEM 101 Intro to Chemistry	TEXTBOOK	$15.78
2337	SPAN 101 Spanish Level I	SUPPLY	$5.00
2337	SPAN 101 Spanish Level I	TEXTBOOK	$25.51
2338	SPAN 102 Spanish Level 2	SUPPLY	$5.00
2339	COMM 101 Speech	SUPPLY	$3.00
2340	COMM 101 - Speech	SUPPLY	$3.00
2341	MATH 136 College Algebra	SUPPLY	$1.31
2341	Composition book-grid	CNSMBL	$1.69
2341	MATH 136 College Algebra	TEXTBOOK	$30.04
2343	MATH 137 Trigonometry	SUPPLY	$3.00

2022-2023 Course Fees			
Course # & Title - 2022-23		**Fee Type**	**Fee**
2343	MATH 137 Trigonometry	TEXTBOOK	$30.05
2346	ENGL 206 Intro to Lit	SUPPLY-PPBK	$25.00
2346	ENGL 206 Intro to Lit	SUPPLY	$2.50
2347	POLS 101 Intro to Am Gov Pol	SUPPLY-PPBK	$20.00
2347	POLS 101 Intro to Am Gov Pol	SUPPLY	$1.50
2348	POLS 101 Intro to Am Gov Pol	SUPPLY-PPBK	$20.00
2348	POLS 101 Intro to Am Gov Pol	SUPPLY	$1.50
2351	SPAN 201 Spanish Level III	SUPPLY-PPBK	$11.31
2351	SPAN 201 Spanish Level III	SUPPLY	$5.00
2351	SPAN 201 Spanish Level III	WORKBOOK	$19.00
2352	SPAN 202 Spanish Level IV	SUPPLY	$5.00
2353	Math 211 Calculus I	SUPPLY	$3.31
2353	Composition book-grid	CNSMBL	$1.69
2355	BIOL 101 Intro Biology	SUPPLY	$14.00
2355	BIOL 101 Intro Biology	TEXTBOOK	$14.04
2367	M135 Finite Math	SUPPLY	$3.31
2367	Composition book-grid	CNSMBL	$1.69
2367	M135 Finite Math	TEXTBOOK	$25.27
2369	ENGL 202 Creative Writing	SUPPLY-PPBK	$20.00
2369	ENGL 202 Creative Writing	SUPPLY	$2.50
2389	MATH 136 College Algebra	SUPPLY	$3.31
2389	Composition book-grid	CNSMBL	$1.69
2389	MATH 136 College Algebra	TEXTBOOK	$60.09