



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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(10-12) Counselor

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

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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	500 EXT. 20850
Freshman Academy	500 EXT. 20755

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

Mission

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

Vision

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

Values

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

Goals

- Annually, all students will achieve proficiency in core academic areas as measured by state standards through multiple assessments.
- Annually, all students will demonstrate continuous academic progress through multiple assessments.
- Annually, expenditures will not exceed revenues as measured by the certified budget.

Penn-Harris-Madison School Corporation

Profile of a Graduate

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

Be an effective communicator who:

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

Be a thoughtful problem-solver who:

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

Be an effective contributor and collaborative team member who:

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

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

- Seeks learning opportunities throughout life.
- Creates a personal vision and sets attainable goals for achievement.
- Assumes personal and social responsibility for actions.
- Continually acquires new skills necessary for success in the 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. <u>Take time to check the prerequisites required for some classes.</u> 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, <u>students are expected to honor the commitment</u> <u>they make when selecting courses and the spring deadline for making schedule changes</u>. 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.
- Courses dropped after the fourth full week of school will result in a grade of W/F (withdraw/fail) on the student's transcript. Students will still be charged for any course that is dropped after October 1 of each school year.
- 6. Requests for teacher changes will not be honored.

Penn High School Graduation Requirements

High School Courses Taken In Middle School

High School courses offered to middle school students are meant to supplement middle school course offerings and to prepare students for four more years of rigorous high school coursework. The Indiana State Board of Education does not restrict high school credit to course work completed in Grades 9 through 12. Schools may elect to award high school credit to students who complete high school courses before entering Grade 9 if the course is fully equivalent to its high school counterpart. Parents/students may choose to have high school courses taken before grade nine added to the high school transcript.

Indiana Core 40 Expectations

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

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

CORE 40

	Course and Credit Requirements
English/ Language	8 credits
Arts	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 S	State Credits Required

All students are strongly encouraged to complete a College and Career Pathway (selecting electives in a deliberate manner) to take full advantage of career exploration and preparation opportunities.

Core 40 with Academic Honors Diploma

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

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

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 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.

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.

General Diploma

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

The student, parent/guardian and counselor must meet to discuss the student's progress, career and course plan. At this meeting, the parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.

If the decision is made to opt-out of the Core 40, the parent/guardian and counselor will sign a Diploma Track Change form. The form will be kept on file in the Counseling Center.

Graduation Requirements

The high school diploma is what gets students started; it's no longer the finish line. Students need to be equipped for a more demanding job market and postsecondary opportunities that differ from the status quo of a graduation test.

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

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

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

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

Penn High School will offer courses it deems relevant to the educational goals of the Penn-Harris-Madison School Corporation and its students. These offerings will be contingent upon budgetary constraints, staff availability, and minimum student enrollment for such courses.

Please see the Graduation Requirement Charts for specific requirements

Indiana High School Graduation Requirements

Requirements	Graduation Pathway Options	
 High School Diploma (Students must complete the course requirements of 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 <u>at least one</u> of the following employability experiences. 	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by <u>one</u> the following: • Project-Based Learning Experience; OR • Service-Based Learning Experience; OR • Work-Based Learning Experience.	
3) Postsecondary-Ready Competencies (Students must complete <u>at least one</u> of the following.)	 Honors Designation: Fulfill all requirements of either the Academic or Technical Honors designation; OR ACT: Minimum score of 18 in English, 22 in Math and 23 in Science; OR SAT: Minimum score of 480 in English and 530 in Math; OR ASVAB: Earn at least the minimum AFQT score of 31 to qualify for placement into one of the branches of the US military AND plan on entering the 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 2024 = 2 courses, class of 2025-2027 = 3 courses); OR AP®/IB/Dual Credit/ Exams: Must earn a C average or higher in at least three courses; OR Locally Created Pathway: Must earn a C average or higher in the identified pathway. 	

Smaller Learning Communities (SLCs)

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

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

Freshman Academy

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

Pathway Academies

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

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

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

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

Students are encouraged to take a minimum of one elective within their chosen academy per semester, beginning their sophomore year. Most students will select additional courses within their chosen academy to individualize their education to specific pathways related to post-secondary plans. Students will also be encouraged to seek Capstone Courses and Work-Based Learning experiences, which include Registered Apprenticeship, Cooperative Education, Internship, School Based Enterprise, or Service Learning.

Early College Academy

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

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

Work-Based Learning

Penn High School encourages students to explore career pathways, and choose courses on a pathway that aligns with their future interests and post-secondary ambitions. Juniors and seniors who have earned a minimum of 2 credits on a related pathway have the opportunity to participate in Work-Based Learning (WBL). These experiences can include both inside and outside of the building components. Examples of WBL are:

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

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

Four Year Plan

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

Grade 9	Grade 10	Grade 11	Grade 12
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 or Physics (H)	Science	Science/Elective
Geography & History of the World/AP World History	Health Elective	US History (AP®/ACP/Ivy Tech)	Government/Economics (AP®/ACP/Ivy Tech)
Physical Education	AA/Pathway Elective	AA/Pathway Elective	AA/Pathway Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Study Hall & Career Information and Exploration	Study Hall	Study Hall/ Work-Based Learning/ College Based Dual Credit	Study Hall/ Work-Based Learning/ College Based Dual Credit

Assessment Philosophy

All students should know that:

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

Grading Standards for Penn High School

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

GRADE	GRADE POINT VALUE
А	4.0
В	3.0
С	2.0
D	1.0
F	0.0
W/F	0.0
Ν	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		
А	5.0		
В	4.0		
С	3.0		
D	N/A		
F	N/A		

The following courses will be weighted on a 5.0 scale for this academic year:

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

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

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

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

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

GRADE	GRADE POINT VALUE		
А	4.5		
В	3.5		
С	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: <u>https://skyweb.phmschools.org/StudentSTS/.</u>

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

- \cdot 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: <u>www.eligibilitycenter.org</u>

NCAA approved courses are signified with

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

Penn High School CEEB Code: 152347

Fees

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

COUNSELING SERVICES

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

Mission Statement

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

Vision Statement

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

Your Counselors

Penn High School has twelve counselors. Three are assigned to our Freshman Academy, six are alphabetically assigned to grades 10-12, with one Early College Counselor. Our Director is the counselor for students in alternative education settings - Pennway and Night School, and also foreign exchange students. We also have a Wellness Counselor that works to meet the social-emotional wellness of students. All of the counselors at Penn High School meet the standards and licensing requirements for *School Counselor* by the State of Indiana, hold a master's degree in Counseling and keep their licenses current.

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

SAT® and ACT

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

- Registration for either test may be completed by using the paper registration form or by using the online registration service at collegeboard.com 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 <u>www.act.org</u> and SAT scores can be requested online at <u>www.collegeboard.org</u>. ACT/SAT® scores are not on the Penn High School diploma or transcript.

AWARDS

Honor Roll

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

High Honor Roll

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

Academic Letter

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

National Honor Society

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

Graduation with High Honors

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

Latin Honors System

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

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

Scholarships

Colleges, businesses and industry, as well as civic, fraternal and educational groups offer scholarship opportunities. Students should consult with their counselor and visit the Scholarship area in the College/Career Resource Center (located in the Counseling Center) for more information. A list of scholarships and applications are available in the CCRC, at the Counseling Center web page, and can also be accessed through Twitter by following @PennScholarship. Some of the awards require an examination; others require a written application or an interview. Students and parents are encouraged to do their own free scholarship search on any one of a number of scholarship sites available on the Internet like the Collegeboard's Big Future website (bigfuture.collegeboard.org), 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 <u>and complete the Advanced Placement® examination in that course</u>. Students who choose to take an AP® course outside of Penn must also take the corresponding AP® examination to receive weighted grade/credit. By selecting an AP® class during spring scheduling a student is making a firm commitment to complete this course the following school year.

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

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

AP® African American Studies AP® 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®** Computer Science A 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® Pre-Calculus 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 **AP® World History**

Advance College Project (ACP)

High School-based courses offered for dual credit through Indiana University. These courses are noted in the course descriptions using the Ψ symbol. ACP Biology ACP Brief Survey of Calculus ACP Calculus I ACP Calculus II ACP Composition & Literature ACP Computers in Education ACP Examining Self as Teacher ACP General Education Psychology **ACP Microeconomics** ACP Macroeconomics ACP Political Science ACP Principles of Business Management ACP Speech ACP US History

Dual Credit Courses

High School-based courses offered for dual credit through Purdue University *P*, Ball State University , or Ivy Tech Community College *. These courses are noted in the course descriptions using the associated symbols. Dual Credits are subject to change based on staffing, IDOE crosswalk, and availability.

Project Lead the Way Classes

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

Engineering:

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

Biomedical Science:

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

Computer Science:

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

Elkhart Area Career Center (EACC)

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

Interested students need to:

- Complete an online application. Applications are available from your counselor.
- (First Year Students Only) Attend the EACC Open House. The open house is intended to inform students of the available programs and to help the student make an informed decision about making this type of commitment.
- Make sure that their schedule for classes in the upcoming school year includes the Elkhart Area Career Center.
- If you use PHM bussing be aware the AM bus leaves at 7:25 am, before the PHM buses arrive at Penn. The PM bus leaves at 11:25 and returns at 3:00.
- Elkhart Area Career Center is a full year expectation.

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

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

Elkhart Area Career Center Program Clusters

Go to <u>www.myeacc.org</u> 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

- <u>Automation & Robotics I- 1493/1494</u> DOE 7108- Principles of Adv. Manufacturing DOE 7103- Adv. Manufact. Technology DOE 7106- Mechatronics Systems
- Automation & Robotics II- 1593/1594
 DOE 7224- Indust. Automation & Robotics
 Capstone
- Mechatronics- Indust. Tech. Maint. I- 1483/1484
 DOE 7108- Principles of Adv. Manufacturing
 DOE7103- Adv. Manufac. Fundamentals
 DOE 7104- Industrial Maint. Fundamentals
- <u>Mechatronics- Indust. Tech. Maint. II- 1583/1584</u> DOE 7261- Industrial Maintenance Capstone
- CNC- Precision Machining I- 1407/1408
 DOE 7109- Principles of Precision Machining
 DOE 7105- Precision Machining Fundamentals
 DOE 7107- Advanced Precision Machining
- **CNC- Precision Machining II- 1507/1508** DOE 7219- Precision Machining Capstone
- Welding Technology I- 1419/1420
 DOE 7110- Principles of Welding Technology
 DOE 7111- Shielded Metal Arc Welding
 DOE 7101- Gas Welding Processes
- Welding Technology II- 1519/1520
 DOE 7226- Welding Technology Capstone

Agriculture, Food & Natural Resources

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

Architecture & Construction

 <u>Construction Trades- Carpentry I- 1464/1465</u> DOE 7130- Principles of Construction Trades DOE 7123- Construction Trades General Carpentry DOE 7122- Construction Trades Framing & Finishing

• <u>Construction Trades- Carpentry II- 1564/1565</u> DOE 7242- Construction Trades Capstone

Arts, AV Tech & Communications

- <u>Commercial Photo. & Video. I- 1405/1406</u> DOE 7140- Principles of Digital Design DOE 7141- Digital Design Graphics DOE 7136- Professional Photo & Videography
- <u>Commercial Photo. & Video. II- 1505/1506</u> DOE 7246- Digital Design Capstone
- Graphic Design- Digital Design I- 1413/1414
 DOE 7140- Principles of Digital Design
 DOE 7141- Digital Design Graphics
 DOE 5550- Graphic Design & Layout
- <u>Graphic Design- Digital Design II- 1513/1514</u> 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
- <u>Radio & Television Broadcasting II- 1521/1522</u> DOE 7308- Radio & TV Broadcasting Capstone

Education & Training

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

Health Sciences

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

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

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

 DOE 7163- Central Service Tech Fundamentals
- Surgical Services Tech II- 1527/1528
 DOE 7257- Central Service Tech Capstone

Hospitality & Tourism

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

Human Services

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

Information Tech

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

Law, Public Safety, Corrections & Security

- <u>Criminal Justice I- 1491/1492</u>
 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
- <u>Pre-Law / Paralegal I- 1417/1418</u> DOE 7194- Principles of Paralegal Studies DOE 7192- Paralegal Fundamentals DOE 7187- Advanced Paralegal Studies
- Pre-Law / Paralegal II- 1517/1518
 DOE 7227- Paralegal Studies Capstone

STEM

- CAD- Design Technology I- 1439/1440 DOE 4802- Intro To Engineering Design DOE 7196- Mech. & Arch. Design DOE 7202- Manufac. Principles & Design
- <u>CAD- Design Technology II- 1539/1540</u> 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
- <u>Automotive Services I- 1478/1479</u>
 DOE 7213- Principles of Automotive Services
 DOE 7205- Brake Systems
 DOE 7212- Steering and Suspension
- <u>Automotive Services II- 1578/1579</u>
 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
- <u>MotorSports I- 1423/1424</u>

DOE 7392- Motorsports Fundamentals DOE 7393- Advanced Motorsport DOE 7394- Motorsport Driveline & Electrical Performance

<u>MotorSports II- 1523/1524</u>
 DOE 7395- Motorsport Capstone

COLLEGE BASED DUAL CREDIT PROGRAM

Penn# 0672/0673

COLLEGE BASED DUAL CREDIT (CBDC)

Semesters: 1 Credits: 1 per course per semester

Grade Level: 12

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

A College Based Dual Credit Program:

Students have the opportunity to enroll in a class at a local college through the Penn CBDC Program at Penn High School. This is an opportunity for students to begin college coursework while still in high school. An individualized schedule and plan will be developed for each participant. Juniors and seniors choose an area that matches their intended college major, their career plan or personal interest area. Participating colleges are Bethel College, IUSB, Ivy Tech, Purdue Polytechnic, Southwestern Michigan College (Niles/Dowagiac), Michiana Beauty College and Vogue. Each student will enroll through Penn High School and a local college. Each student will receive college credit from the particular post-secondary institution and high school credit from the Penn CBDC program. Students will pay for required textbooks and materials and complete Penn forms for reimbursement. Penn will pay for some CTE courses. **Students must provide their own transportation.**

Juniors and Seniors

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

<u>Academic & Technical Honors Diploma</u>: 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.

<u>CORE 40</u>: Most courses can be applied as Directed Electives for the CORE 40 Diploma. Some may also count for requirements of this diploma.

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

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

Information Technology Management

Various classes

Communication

Commu	unication
Intro to Public Relations	*Intro to Mass Communications
Intro to Interpersonal Communications	Introduction to Advertising
School of Public	& Social Services
*Intro to Criminal Justice Systems	Sanitation and First Aid
Introduction to Criminology	Basic Food Theory and Skills
Introduction to Law Enforcement	Youth and Family Treatment
	*Introduction to Interpersonal Communication
Early Child	d Education
Intro to Early Childhood Education	Understanding Special Needs Children
Nutrition, Health and Safety for Early Childhood	Curriculum in Early Childhood Classroom
School of Fine	Arts and Design
Basic Photography	Fundamentals of Design
Three-Dimensional Design	Fundamentals of Imaging
Design Theory	Video and Sound
Drafting and Construction	Intro to Computer Graphics
Introduction to Interior Design	Production in Editing
School of He	ealth Sciences
Health, Safety & Nutrition	Medical Law & Ethics
*Medical Terminology	Introduction to Health Careers
Dementia Care	*First Aid & Emergency Care
CNA (Certified Nursing Assistant-Seniors only)	*Nutrition for Health
School of Libera	al Arts & Sciences
Survey of Biotechnology	Fundamentals of Nanotechnology
School of Techn	ology Automotive
Steering and Suspension	Electrical and Electronics II
Two and Four Wheel Alignment	Manual Drivetrains
Powertrain Service	Engine Repair
Engine Principles and Design	Automatic Transmission
Engine Performance I	Engine Performance II
Electrical and Electronics I	Engine Performance III
Braking Systems	Driveability Diagnosis
	echnology
Technical Graphics	Architectural Design I
CAD Fundamentals	Descriptive Geometry

_Construction Materials and Specifications

Electronics and Computer Technology

_Intro to Electronics and Projects

Computer Fundamentals for

__Intro to National Electrical Code

__Digital Fundamentals

___Networking

___Computer Troubleshooting

Technology

____Computer Troubleshooting II

- Introduction to Robotics
- Programmable Controllers I
- Programmable Controllers II

Industrial Electrician

Electrical Wiring Fundamentals/ NEC Code

Industrial Supply Chain Management

- Motors and Motor Controls
- Basic Electricity
- Electrical Circuits

	Electrical Circuits
Heating a	nd Air Conditioning
Heating Fundamentals	Heating Service
Refrigeration	Refrigeration II
Duct Fabrication & Installation	Basic Electricity
Heat Pump Systems	Basic Shop Mechanics
	Special Topics-Residential Wiring
Enginee	ering Technology
Technical Graphics Communication	Electricity Fundamentals
Human Behavior in Organizations	Introduction to Object-Oriented Programming
Materials & Processes I	Introduction to Constraint Based Molding
Materials & Processes II	Information Technical Architecture
<u>Electrical En</u>	gineering Technology
Gateway to Elect. Engr. Tech.	Technology and the Individual

Industrial Technology

_Industrial Organizations

Organizational Leadership and Supervision

Human Behavior in Organizations	Mechatronics Technology
Applied Leadership	Electronics Career Academy
Leadership Principles	Precision Production Technology
Computer Aided Drafting &	
Design Academy	Emergency Med Services Academy
	Fire Science or EMS-Paramedic.

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

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

PHARMACY TECHNICIAN TRAINING

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

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

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

Tuition: Tuition will be free for Penn Students

<u>Textbooks/Fees:</u> Students must purchase their own textbooks and materials—approximately \$200. Students must also complete an application and provide a \$25 application fee. Keep all receipts and fill out proper forms for reimbursement of curricular fees.

Prerequisite: Pass pharmacy technician math test.

<u>Other:</u> 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: dblack@phm.k12.in.us.

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

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

The contents of the training program include specific training duties required to assist a pharmacist in the technical functions associated with the practice of pharmacy, and shall include, at a minimum the following Understanding the duties and responsibilities of the technician and the pharmacist, including the standards of patient confidentiality and ethics governing pharmacy practice, Tasks and technical skills, policies, and procedures related to the technician's position, Working knowledge of pharmaceutical-medical terminology, abbreviations, and symbols commonly used in prescriptions and drug orders, Working knowledge of the general storage, packaging, and labeling requirements of drugs, prescriptions, or drug orders, Ability to perform the arithmetic calculations required for the usual dosage determinations, Working knowledge and understanding of the essential functions related to drug purchasing and

inventory control, The record keeping functions associated with prescriptions and drug orders

*Refers to the Indiana Core Transfer Library (CTL)

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

Code of Conduct

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

Student Assistants (Course number 1805-1849)

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

Student Interns (Course number 1850)

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

Kingsmen Tutor Internship (Course number 0661 with 1851 or 1865)

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

Peer Leaders (Course number 1603)

Students (Grades 9-12) may earn 2 credits for work and interaction with students having moderate and severe disabilities. Students will provide 5 blocks over two weeks of in-class and/or community based instructions to disabled students under the personal supervision and direction of the course instructor or classroom teaching staff. As part of this Work-Based Learning experience, students will complete a number of components resulting in a portfolio. A complete description of this course may be found in the Multidisciplinary Courses.

Foreign Exchange

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

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

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

Freshman Mentors

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

Pennway Alternative School

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

Pennway Night School

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

Independent Study

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

EXCEPTIONAL EDUCATION

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

Consultation Services

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

Resource Services

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

Part-Time Exceptional Education Services

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

Full-Time Exceptional Education Services

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

Applied Courses

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

The Functional Life Skills Program

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

Indiana Alternate Diploma and Certificate of Completion

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

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

Life Skills*		Applied**
LS Language Arts I LS Language Arts II	English/ Language Arts (8 Units)	Applied English 9 Applied English 10 Applied English 11 Applied English 12
LS Math I LS Math II	Mathematics*** (4 Units)	Applied Math I Applied Math II
LS Science	Science (4 Units)	Applied Biology Applied Environmental Science
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 Unit)	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

Students earning a certificate of completion fulfill <u>at least one</u> of the following (transition goals):

1. Career Credential: Complete an industry-recognized certification, one-year certificate or state-approved alternative

- 2. Career Experience: Complete project- or work-based learning experience or part time employment
- 3. Work Ethic Certificate: Earn a Work Ethic Certificate (criteria to be locally determined)
- 4. Other Work Related Activities: As determined by the case conference committee

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

- ** Applied is intended for students who need more rigorous Exceptional Education courses.
- *** Math is required to be taken each year of high school

EXCEPTIONAL EDUCATION COURSE DESCRIPTIONS

Penn# 1201 APPLIED ENGLISH 9 Semesters: 2 Units: 2 Grade Level: 9 Prerequisite: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1002 Course Description:

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

Penn# 1203

APPLIED ENGLISH 10 Semesters: 2 Units: 2 Grade Level: 10 Prerequisite: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1004 Course Description:

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

Penn# 1205

APPLIED ENGLISH 11 Semesters: 2 Units: 2 Grade Level: 11 Prerequisite: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1006 Course Description:

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

Penn# 1207 APPLIED ENGLISH 12 Semesters: 2 Units: 2 Grade Level: 12 Prerequisite: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1008 Course Description:

Applied English 12, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual Students student. analyze, compare, and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 1283/1285/1287 CORRECTIVE READING I, II & III Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisite: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1120 Course Description:

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

Placement in the course is made on the recommendation of the case conference committee. This course is a remediation course as well as an elective course.

Penn# 1265

LEARNING STRATEGIES Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisite: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 0500 Course Description:

This course is highly recommended for 9th, 10th, 11th, and 12th grade students with exceptional education needs. Basic Skills Development is a multidisciplinary course based on the Indiana Content Connectors for basic skills development in grades 9th-12th. Must be recommended in the Individual Education Plan by the case conference committee. This is an elective course. It is designed to teach students а 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 emphasizes methodology generalization of the strategies to the academic classes the students are taking.

Penn# 1209

APPLIED GEOGRAPHY AND HISTORY OF THE WORLD Semesters: 2 Units: 2 Grade Level: 9-10 Prerequisite: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1570 Course Description:

This course contains a modified curriculum that follows the Indiana Content Connectors for Government. This course is designed for those students in exceptional education who need an alternative to the general education Geography and History of the World course. This course will examine the human and physical geography of the seven continents of the world. Students will learn map skills and vocabulary related to world geography. Placement is made on the recommendation of the case conference committee. This course is geared towards individual skill needs. Students in this course are working towards an Alternate Diploma Certificate or of Completion.

Penn# 1213

APPLIED CIVICS Semesters: 1 Units: 1 Grade Level: 12 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE# 1508 Course Description:

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

Penn# 1216 🛛 😣

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

Penn# 1235 APPLIED MATH I Semesters: 2 Units: 2 Grade Level: 9-10 Prerequisite: Must be recommended in the Individualized Education Plan Weight: 4.0 IDOE: 2560 Course Description:

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

Penn# 1236

APPLIED MATH II Semesters: 2 Units: 2 Grade Level: 11-12 Prerequisite: Must be recommended in the Individualized Education Plan Weight: 4.0 IDOE: 2560 Course Description: Applied Mathematics provides students with individualized instruction designed to increase math related competencies and/or mathematics coursework aligned with Indiana's Content Connectors for Mathematics. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 1237

APPLIED BIOLOGY I Semesters: 2 Units: 2 Grade Level: 9-10 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 3024

Course Description:

Biology is a modified Applied 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 that scientific understanding knowledge is gained from observation of natural phenomena and experimentation, by designing conducting investigations and guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. Students will address approaching standards for Science and Engineering the Process Standards (SEPS) as well as the Content Connectors for the Indiana State Standards for Biology. Students may take Applied Biology 1B to continue content at a slower pace. Students will be assessed through Indiana's Alternate Measure (IAM) in the 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 1293 APPLIED ENVIRONMENTAL SCIENCE Semesters: 2 Units: 2 Grade Level: 10-12 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 0512

Course Description:

Environmental Science introduces fundamental environmental and ecological issues. Students will do laboratory investigations as well as group participate in & 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 that will decisions have consequences for theirs and future 127 generations. This course has a modified curriculum and placement is made on the recommendation of the case conference committee. This course is for students working towards an Alternate Diploma or Certificate of Completion.

Penn# 1238

APPLIED BIOLOGY II Semesters: 2 Units: 2 Grade Level: 10 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 3024 Course Description:

This course contains a modified curriculum, which focuses on the IDOE Biology standards. ISTAR 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 organisms the living and environment. Students will learn content through a multi-sensory with differentiated approach 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. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 1229 OR 1230 APPLIED HEALTH AND WELLNESS Semesters: 1 Units: 1 Grade Level: 9-12

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

Applied Health & Wellness contains a modified curriculum that follows the Indiana Content Connectors for Health & Wellness. This course provides the basis to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students the development practice of health functional information. Students will determine personal values that support health behaviors and develop the essential skills necessary to adopt, practice, and health-enhancing maintain behaviors. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences. accessing information, interpersonal communication. decision-making and goal-setting skills. health-enhancing behaviors, and health and wellness advocacy skills. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 0503

APPLIED PHYSICAL EDUCATION I & II Semesters: 2 Units: 2 Grade Level: 9 Prerequisite: Case conference committee and medical statement on file Weight: 4.0 IDOE: 3542 & 3544 Course Description: Alternative for requirement. This

Alternative for requirement. This course offers students with special

mental, physical, sensory, or problems neurological lifetime fitness and health related activity. The program will include within the least restrictive environment, a variety of developmental activities, sports. games. and rhythms appropriate to the interests, capabilities, and limitations of the student. Opportunities will be given for students to achieve fitness concepts, fitness for enjoyment and social interaction, as well as different forms of movement and an aquatics unit. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 1266 CAREER INFORMATION Semesters: 2 Units: 2 Grade Level: 9-10 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 0522 Course Description:

This course is designed to introduce students to many career fields and options, and to teach students to match their interests, abilities and lifestyle choices to compatible careers. Employability/workforce readiness skills (communication, organization, teamwork, punctuality, critical thinking/problem solving, social cues, adaptability and work ethic) are taught in order to enhance successful employment . Students create а personal resume, participate in classroom vocational activities, complete job interest surveys and develop interview skills. This class is a prerequisite for the Work Experience Program. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 1239 1240 1241 1242 1243 1244 1245 1246 WORK EXPERIENCE (WBL) Semesters: 2 Units: 1/block/semester Grade Level: 11-12 Prerequisites: Must be recommended in the Individual Education Plan. Weight: 4.0 IDOE: 5974 Course Description:

These courses are designed to give students in exceptional education opportunity to gain work an experience through in school or community jobs. This program provides the first opportunity for students to experience real world requirements for success in the workplace. Job coaching and frequent evaluations are used to teach students employability/workforce readiness skills (communication, organization, teamwork, punctuality, critical thinking/problem solving, social cues, adaptability and work ethic). Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

LS CLASSES

These classes contain a modified curriculum. They are designed to make students with significant disabilities as independent as possible within school and community environments. All

courses in this section are for students completing an Alternate Diploma or Certificate of Students receive a Completion. high level of support. Penn# 2202 LIFE SKILLS Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisites: Must be recommended in the Individual Education Plan. Weight: 4.0 IDOE: 0500 **Course Description:**

This multidisciplinary course provides students the opportunity to continue to develop basic skills including writing, math, organizational, and interpersonal skills. Students will work on home living skills such as cooking, cleaning, and laundry, as well as a of employability variety 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 Community connectors. based instruction may also be used to practice daily living skills. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2200

LS BIOLOGY I Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 3024 Course Description:

Lifeskills Biology is a modified science course based on the following core topics: Std. 1 Cellular Structure and Function, Std. 2 Matter Cycles and Energy Transfer, Std. 3 Interdependence of Organisms, Std. 4 Inheritance & Variation in Traits, and Std. 5 Evolution. Multi-sensory learning and differentiated instruction should focus on developing student understanding that scientific knowledge from is gained observation of natural phenomena and experimentation, by designing conducting investigations and 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 livina skills and personal safety in the community. Students may take Lifeskills Biology 1B to continue content at a much slower pace. Students will be assessed through Indiana's Alternate Measure (IAM) in the 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2224

LS BIOLOGY II Semesters: 2 Units: 2 Grade Level: 10-12 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 3024 Course Description: Lifeskills Biology is a modified course based on the science following core topics: Std. 1 Cellular Structure and Function, Std. 2 Matter Cycles and Energy Transfer, Interdependence Std. 3 of Organisms, Std. 4 Inheritance & Variation in Traits, and Std. 5 Evolution. Multi-sensory learning and differentiated instruction should focus developing on student understanding that scientific knowledge gained is from observation of natural phenomena and experimentation, by designing conducting investigations and 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 focus primary to promote independent living skills and personal safety in the community. Students will be assessed through Indiana's Alternate Measure (IAM) in the 10th grade year to measure student achievement and growth according to Indiana's Content Connectors aligned to the Indiana Academic Standards. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 1233

LS MATH Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 2560 Course Description:

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

Penn# 2208

LS SOCIAL STUDIES Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1508 Course Description:

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

Penn# 2204 LS LANGUAGE ARTS 9 Semesters: 2 Units: 2 Grade Level: 9 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1002 Course Description:

Students develop reading and writing skills. Students are taught at their academic level and supported with a high amount of support. The class is focused on everyday Language Arts skills. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2226

LS LANGUAGE ARTS 10 Semesters: 2 Units: 2 Grade Level: 10 Prerequisites: Must be recommended in the Individual Education Plan Weight: 4.0 IDOE: 1004 Course Description:

Students develop reading and writing skills. Students are taught at their academic level and supported with a high amount of support. The class is focused on everyday Language Arts skills. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2212

LS LANGUAGE ARTS 11 Semesters: 2 Units: 2 Grade Level: 11 Prerequisites: Must be recommended in the Individual Education Plan. Weight: 4.0 IDOE: 1006 Course Description:

Students receive focused instruction on reading through the use of current events. Specific curriculum is used to accommodate the individual student at their reading level. Creative and timely materials are used to engage all learners. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2228 LS LANGUAGE ARTS 12 Semesters: 2 Units: 2 Grade Level: 12

Prerequisites: Must be recommended in the Individual Education Plan. Weight: 4.0 IDOE: 1008

Course Description:

Students receive focused instruction on reading through the use of current events. Specific curriculum is used to accommodate the individual student at their reading level. Creative and timely materials are used to engage all learners. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2220 LS WORK EXPERIENCE (WBL) Semesters: 2 Units: 2 Grade Level: 11-12 Prerequisite: Must be recommended in the Individualized Education Plan Weight: 4.0 IDOE: 5974 Course Description:

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

Penn# 2222 LS EMPLOYABILITY Semesters: 2 Units: 2 Grade Level: 11-12 Prerequisite: Must be recommended in the Individualized Education Plan Weight: 4.0 IDOE: 0522 Course Description:

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

Penn# 2210

LS EDUCATION AND TRAINING Semesters: 2 Units: 2 Grade Level: 11-12 Prerequisite: Must be recommended in the Individualized Education Plan Weight: 4.0 IDOE: 0500 Course Description:

LS Education and Training is a multidisciplinary course that provides students continuing opportunities to develop basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) study and organizational skills, and (7) problem-solving skills, (8) skills. employability 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 community based to instruction. Placement is made on the recommendation of the case conference committee. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2214

LS COMMUNITY LIVING Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisite: Must be recommended in the Individualized Education Plan Weight: 4.0 IDOE: 5330 Course Description:

LS Community Living is recommended for all students as life for foundations 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, financial responsibility and and

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

Penn# 2206

LS PERSONAL MANAGEMENT Semesters: 2 Units: 2 Grade Level: 9-12 Prerequisite: Must be recommended in the Individualized Education Plan Weight: 4.0 IDOE: 5364 Course Description:

LS Personal Management is a course which focuses on essential This course addresses life skills. 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; buildina maintaining and relationships; and individual needs and characteristics and their impacts on relationships. Students in this course are working towards an Alternate Diploma or Certificate of Completion.

Penn# 2100 AND/OR 2101 SASS INDEPENDENT STUDY/STUDY HALL Semesters: 1 or 2 Grade Level: 9-12 Course Description:

Self Management and Social Skills. Students in the Exceptional Education program will gain credits through on-line learning. Students will be working on the credits needed as discussed in a case conference. Students will receive a high level of support. Placement is made on the recommendation of the case conference committee. This course is a noncredit behavioral support class. 😡 = Quantitative Reasoning Course 🌵 = Indiana University Dual Credit 🌌 = Purdue University Dual Credit ϔ = Ivy Tech CC Dual Credit 🌭 = Ball State University Dual Credit

MULTIDISCIPLINARY COURSES

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

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

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

Prerequisite: Any One CTE Course Weight: 4.0 IDOE: 5974 **Course Description:**

Students must provide their own Work transportation. 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 а 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 Work-Based Learning this experience, students will complete a number of components resulting in a portfolio.

Penn# 0690-0699 **COLLEGE BASED DUAL CREDIT** (CBDC) Semesters: 1 or 2 Credit: 1/block/semester Grade Level: 11-12 Prerequisite: Meet Individual

College admission requirements

Weight: 4.5 **Course Description:**

Students may enroll in College Based Dual Credit for 1, 2, 3 or 4 Student schedules are blocks. individualized according to the student's interests. Students may responsible for costs he associated with the college course. Students have the opportunity to enroll in a class at a local college through the Penn CBDC Program at Penn High School. This is an opportunity for students to begin college coursework while still in high school. An individualized schedule and plan will be developed for each participant. Juniors and seniors choose an area that matches their intended college major, their career plan or personal interest area. Participating colleges are Bethel College, IUSB, Ivy Tech, Purdue Polytechnic, Southwestern Michigan College (Niles/Dowagiac), Michiana Beauty College and Vogue. Each student will enroll through Penn High School and a local college. Each student will receive college the particular credit from post-secondary institution and high school credit from the Penn CBDC program. Students will pay for required textbooks and materials and complete Penn forms for reimbursement. Penn will pay for some CTE courses. Students must provide their own transportation. Complete details are listed in the Penn College Based Dual Credit Program section.

Penn# 1603 PEER LEADERS (WBL)

Semesters: 2 Credits: 2 Grade Level: 9-12 Prerequisite: Interview with course instructor Weight: 4.0 IDOE: 5974 Course Description:

This course is designed to give high school students the opportunity to interact with and learn about people with disabilities. Students will provide 5 blocks over two weeks of in-class and/or community based instruction to students with moderate and severe disabilities under the personal supervision and direction of the course instructor or classroom teaching staff.

Penn# 1611

PEER LEADERS- YAP (WBL) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Peer Leaders- 1603 Weight: 4.0 IDOE: 5974 Course Description:

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

Penn#

ELD I (1655) ELD II (1656) ELD III (1657) Semesters: 2 Credits: 2 Grade Level: 9-12 Recommendation: WIDA Scores Weight: 4.0 IDOE: 1012

Course Description:

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

Penn# 1658 LANGUAGE LAB Semesters: 2 Grade Level: 9-12 Weight: 4.0 IDOE: 0500 Recommendation: WIDA Scores

Course Description: Students enrolled in Language Lab complete personalized English

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

This class replaces the traditional study hall, and Language Lab students should not be enrolled in the online Interactive Media classes associated with the grade level study halls. Penn# 0661 BBBS: 0662 WITH 1851 OR 1865 KINGSMEN TUTOR INTERNSHIP (WBL) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Application, interview, teacher recommendations, clean disciplinary and attendance record Weight: 4.0 IDOE: 5974

Course Description:

Kingsmen Tutor Internship provides students with opportunities to tutor peers and assist a teacher during the school year in the classroom. Tutors will receive training and attend monthly meetings with the Kingsmen Tutor Leaders. If you take second semester for no credit then internship is this considered volunteer experience, earning approximately 70 volunteer hours in the semester. college Many 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.

AP® Capstone Research, In 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 AP® Research Certificate. 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 Illustrator, Photoshop, Adobe InDesign, and/or videography skills, including Adobe Premiere Pro. Students will implement media relations strategies such as crafting releases. writing press news/features articles, or producing graphic designs or videos to promote Penn/P-H-M events/people through social/traditional media.

EARLY COLLEGE (EC)

9TH GRADE EC COURSE INFORMATION

Penn# 2301 ENGLISH 9 (EC) Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 1002 Course Description:

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

Penn# 2306

ALGEBRA I (EC) Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 2520 Course Description:

NCAA

The Mathematics standards for Algebra I are made up of 5 strands: Real Numbers and Expressions; linear Functions: 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 productive develop into and responsible citizens, they will make connections between biological concepts and real life applications. Through regular use of Science and Practices, Engineering 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 topics preparing Algebra 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 Constant of the second sec

The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions: Functions: Systems of Equations; Quadratic Equations and Exponential Functions; & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. Students who complete this course will enroll in Geometry 728.

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

Penn# 2309

SPANISH I (EC) Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 2120 Course Description:

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

- Comprehend new language through dialogues, clip art, rhymes, visuals, and video
- Practice communication through listening exercises, paired activities, and group activities
- Answer questions and express personal opinions both verbally and in writing

- Compare languages and cultures through grammar study, pronunciation, art, and readings in authentic settings
- Demonstrate all language skills through a variety of tasks and projects presented in the classroom

Penn# 2307 WORLD HISTORY AND CIVILIZATION (EC) Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 1548 Course Description:

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

10th GRADE EC COURSE INFORMATION

Penn# 2315 ENGLISH 10 (EC) Semesters: 2 Credits: 2 Grade Level: 10 Prerequisites: English 9 Weight: 4.0 DOE# 1004 Course Description:

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

Penn# 2303 INTEGRATED CHEMISTRY AND PHYSICS (EC) Semesters: 2 Credits: 2 Grade Level: 10 Prerequisites: Biology 1 Weight: 4.0 DOE# 3108 (Quantitative Reasoning Course) Course Description:

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

Penn# 2333 🛛 🔻 🔒 🔽

CHEM 101 INTRODUCTION TO CHEMISTRY (EC) Chemistry II Semesters: 2 Credits: 2 College Credits: 3 Grade Level: 10 or 12 Prerequisites: Passing score on the English and Math Knowledge Assessment through Ivy Tech and completion of Alg I and Geometry Weight: 4.5 DOE# 3066

(Quantitative Reasoning Course) Course Description:

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



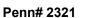
Course Description:

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

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

Penn# 2326 OR 2327 CINS 101 INTRODUCTION TO MICROCOMPUTERS (EC) Digital Applications & Responsibility Semesters: 1 Credits: 1 College Credits: 3 Grade Level: 10 Prerequisites: Passing score on the English Knowledge Assessment Weight: 4.5 DOE# 4528 Course Description:

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



NC44

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 properties of on integer and rational exponents, systems of linear equations, radicals, radical equations, quadratic equations, functions including their graphs, and applications. Compared to Algebra II, the pace of this course is accelerated and topics are covered in greater depth. Students will gain experience using the graphing calculator.

11th GRADE EC COURSE INFORMATION

Penn# 2345 EARLY COLLEGE STUDY TABLES (EC) Semesters: 2 Grade Level: 11 Weight: 4.0

Course Description:

Students in the Penn Academy of Early College will participate in a study hall class that serves the unique college-bound population. Early College teachers will lead the class and provide students with resources such as tutors, access to technoloav. 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.

NCAA * Penn# 2329/2330 **ENGL 111 ENGLISH COMPOSITION / ENGL 215** RHETORIC AND ARGUMENT (EC) English 11 / Advanced Composition Semesters: 2 Credits: 2 College Credits: 6 Grade Level: 11 Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher. DOE# 1006/1098 Weiaht: 4.5 **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 description, process, narration, comparison, analysis, persuasion, argumentation. A research and paper is required. Numerous in-class writing activities are required in addition to extended essays written outside of class. E112 continues the work of 111, emphasizing the persuasion and argumentation aspects of writing. Unique to EC English 111/112 is the cross-curricular project based learning incorporated.

Penn# 2355 BIOL 101 INTRODUCTORY BIOLOGY (EC) Biology II Semesters: 2 Credits: 2 College Credit: 3 Grade Level: 11 Prerequisites: Passing score on the English and Math Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher. Weight: 4.5 DOE# 3026 COURSE DESCRIPTION:

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

Penn# #2331/2332



US HISTORY HIST 101 & HIST 102 (EC) United States History

Semesters: 2 Credits: 2 College Credits: 6 Grade Level: 11 Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher. Weight: 4.5 DOE: 1542

Course Description:

Covers major themes and events in history including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture: territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War, the post-Civil War period; western expansion, industrial growth of the nation and its effects; immigration and urban discontent and attempts at reform; World War I; the Roaring Twenties; social and governmental changes of the thirties; World War II and its consequences; the growth of the federal government; social upheaval in the sixties and seventies; and recent trends in conservatism, globalization, and cultural diversity.

Penn# 2337/2338 SPAN 101 & SPAN 102 SPANISH III (EC) Spanish III Semesters: 2 Credits: 2 College Credits: 8 Grade Level: 11 Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher; C or higher in Spanish II. Weight: 4.5 DOE# 2124 Course Description:

Ivy Tech Span 101/102 is a dual credit course designed to introduce students to the Spanish language and focuses on all four language skills: listening, speaking, reading, and writing. Students will move more quickly through grammar topics that they have been

introduced to in their first two years of preparatory study. It is also designed for students to speak Spanish in class as much as possible. Students will study more challenging grammar that includes multiple tenses and moods. lvv Tech Span 101/102 provides students with the opportunity to Master basic Spanish vocabulary and grammar, Understand simple oral communication about familiar Speak in complete topics, sentences about specific topics, Ask and answer questions on everyday topics in the present tense, Write standard expressions. simple and short complete sentences paragraphs, Read and discuss paragraphs simple and articles which may include literary and cultural works, Understand cultural traits and geography of the Spanish speaking world. Demonstrate knowledge, understanding and appreciation of the Spanish language and cultures of the Spanish-speaking world.

Penn# 2339 OR 2340 🕴 **COMM 101 FUNDAMENTALS OF** PUBLIC SPEAKING (EC) Advanced Speech and Communication Semesters: 1 Credits: 1 College Credits: 3 Grade Level: 11 Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher. DOE# 1078 Weight: 4.5 **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 oral different types of and multimedia presentations, including speeches to inform, to entertain, and to persuade through the use of impromptu, extemporaneous, or manuscript delivery.

Penn# 2341/2343 MATH 136 PRE CALCULUS / MATH 137 TRIGONOMETRY (EC) Pre-Calculus/Trigonometry Semesters: 2 Credits: 2 College Credits: 6 Grade Level: 11 Prerequisite: Algebra II and a passing score on the Math Knowledge Assessment Test or PSAT

Weight: 4.5 DOE# 2564/2566 Course Description:

136 Presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and exponential and logarithmic functions. 137 Presents an in-depth study of right triangle trigonometry. oblique triangles, vectors, graphs of trigonometric functions. trigonometric identities and equations and complex numbers in rectangular and polar/ trigonometric forms. rectangular and polar coordinates and conics.

Penn# 2389 PRE-CALCULUS MATH 136 (EC) Pre-Calculus & Advanced Math Semesters: 2 Credits: 2 College Credit: 3 Grade Level: 11-12 Prerequisites: Algebra II and Geometry as well as a passing score on the Math Knowledge Assessment Test or PSAT. Weight: 4.5 DOE# 2564/2544 COURSE DESCRIPTION:

This course is designed for students that need additional work in Algebra before attempting Pre-calculus. College Algebra - Ivy Tech 136 presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, systems of equations, rational fractions and logarithmic exponential and functions. Ivy Tech Credit may be earned. Topical areas of study include: Quadratic. polynomial, rational and radical equations, Complex Numbers, Exponential and logarithmic functions, Radicals and rational expressions, Graphs of equations and functions, Variation, and Systems of equations.

12th GRADE EC COURSE INFORMATION

* Penn# 2346/2369 **ENGL 206 INTRODUCTION TO** LITERATURE / ENGL 202 **CREATIVE WRITING (EC)** Advanced English/Language Arts Semesters: 2 Credits: 2 College Credit: 6 Grade Level: 12 Prerequisites: ENGL 111/215 and passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher. Weight: 4.5 DOE# 1124 **Course Description:**

ENGL 206 Development of basic strategies for critically reading and interpreting poetry, fiction, and drama; introduction to the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing ENGL 202 This assignments. introduces students course to opportunities for self-expression in one or more literary genres - fiction, poetry, drama, and the creative essay. Creative writing will be conducted using a workshop model; students will share their writing with each other and collaborate in response groups to give and receive feedback.

Penn# 2347 OR 2348 POLS 101 INTRODUCTION TO AMERICAN GOVERNMENT AND POLITICS (EC) United States Government Semesters: 1 Credits: 1 College Credit: 3 Grade Level: 12 Prerequisites: Passing score on the English Knowledge

Assessment, PSAT, or a cumulative GPA of 2.6 or higher. Weight: 4.5 DOE# 1540 Course Description:

Studies federalism, theories of origins and purposes of government and other aspects of the American including government interest groups, political parties, and the electoral process. Emphasis is constitutional placed on backgrounds and the organization and functions of the executive, legislative, and judicial segments of the national government, civil liberties and civil rights, public opinion, media, bureaucracies, and domestic and foreign policy. Naturalization test for citizenship is required.

Penn# 2333 🛛 🔻 😡 🔤

CHEM 101 INTRODUCTION TO CHEMISTRY (EC) Chemistry II Semesters: 2 Credits: 2 College Credits: 3 Grade Level: 10 or 12 Prerequisites: Passing score on the English and Math Knowledge Assessment through Ivy Tech and completion of Alg I and Geometry Weight: 4.5 DOE# 3066 (Quantitative Peasoning Course)

(Quantitative Reasoning Course) Course Description:

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

Penn# 2367 ¥ MATH 135 FINITE MATH (EC) Finite Mathematics Semesters: 2 Credits: 2 College Credit: 3 Grade Level: 12 Prerequisites: MATH 136/MATH 137 and passing score on the Math Knowledge Assessment or PSAT.

Weight: 4.5 DOE# 2530 Course Description:

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

Penn# 2353 🛛 👋

MATH 211 CALCULUS I (EC) Calculus Semesters: 2 Credits: 2 College Credit: 4 Grade Level: 12 Prerequisites: Demonstrated competency through appropriate assessment or successful completion Math 136 College Algebra and Math 137 Trigonometry with Analytic Geometry.

Weight: 4.5 DOE# 2527 Course Description:

Reviews the of concepts 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, behavior at concavity. infinity. horizontal and vertical tangents and asymptotes, and slant asymptotes. Applies the concept of Riemann sums and antiderivatives to find Riemann integrals. Applies the fundamental theorem of calculus to solve initial value problems, and to find areas and volumes and the average values of a function.

Penn# 2359 ¥ MATH 212 CALCULUS II (EC) Advanced Math Semesters: 2 Credits: 2 **College Credit: 3** Grade Level: 12 Prerequisites: Demonstrated competency through appropriate assessment or successful completion Math 136 College Algebra and Math 137 Trigonometry with Analytic Geometry. Weight: 4.5 DOE# 2544 **Course Description:**

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

Penn#2351/2352 SPAN 201 & SPAN 202 SPANISH IV (EC) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher and grade of C or higher in SPAN 102.

Weight: 4.5 DOE# 2126 DOE- Spanish IV College Credit: 6

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

Penn# 2365/2366 GENS 279 GENERAL STUDIES CAPSTONE COURSE (EC) Semesters: 1 Credits: 1 Grade Level: 12 Prerequisites: Students should only enroll in this course if they are on track to complete their lvy 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



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, writing, summary thesis-based essays, and journal writing. Students will study novels, short stories, poetry and drama and informational texts. English 9 students will complete multiple requirements including writing 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 multiple complete writina 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 between make connections 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.



BIOLOGY I HONORS Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 3024 Course Description:

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

Penn# 1105 CEOGRAPHY 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 people connecting and environments; the skills necessary to read maps, graphs and other geographic data; and the skills required to conduct research and improve writing skills.

Penn# 1163 AP® WORLD HISTORY Semesters: 2 Credits: 2 Grade Level: 9 Weight: 5.0 DOE# 1612 Course Description:

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

Penn# 0717 ALGEBRA I Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 2520 Course Description:

The Mathematics standards for Algebra I are made up of 5 strands: Real Numbers and Expressions; Functions: Linear Equations, Inequalities, and Functions; Systems Equations of 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:

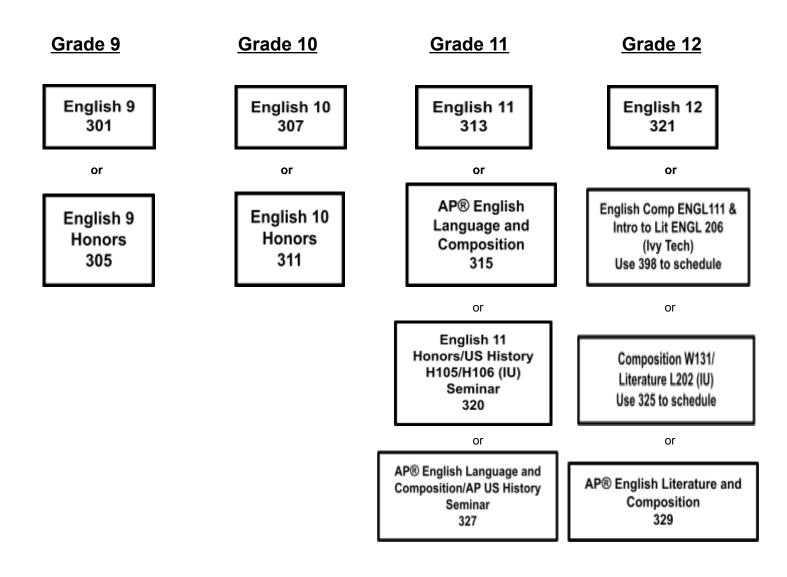
Students with an A or B in Algebra and Geometry should take this course. The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions: Systems of Equations; Quadratic Equations Functions; and Exponential & Logarithmic Equations and Functions: Polynomial, 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:

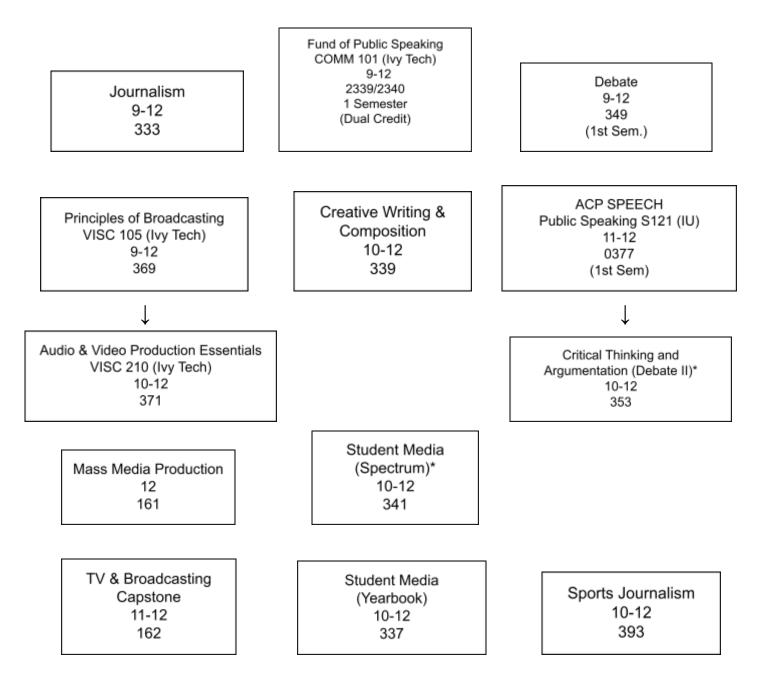
The Mathematics standards for Algebra II are made up of 5 strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions: Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, 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



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

ENGLISH ELECTIVES



*Has Prerequisite

ENGLISH



NCAA **ENGLISH 10** Semesters: 2 Credits: 2 Grade Level: 10 Prerequisites: English 9 Weiaht: 4.0 DOE# 1004 **Course Description:**

This course will give students an opportunity to improve and practice their basic communication skills through reading, writing, listening, and speaking. Students will learn how to present their ideas logically and coherently, how to present appropriate supporting details, and how to draw conclusions. Comprehension of vocabulary, literature, non-fiction, informational texts and poetry are core components of the course. Students write responses to literature. argumentative compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access. analyze, and evaluate online information. Each semester students will write process papers and on demand essays as unit summative assessments.

Penn# 0311

ENGLISH 10 HONORS Semesters: 2 Credits: 2 Grade Level: 10 Prerequisites: English 9 Weight: 4.0 DOE# 1004 **Course Description:**

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

NC44

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 argumentative literature, sustained compositions. and assignments. Students research 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 of including essays personal experience, literary analysis and research, as well as on demand essays given as unit summative assessments.

Penn# 0313



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

English 11 surveys American literary themes, emphasizing major writers and their works in relation to historical periods and common motifs. The literary styles and genres of the major literarv movements will be studied. Readings will be derived from a variety of sources, including required novels and plays. Several literary selections will emphasize

diversity. Students cultural will literature through analyze discussion and writing. A variety of techniques learning and student-centered activities involving oral communication, critical thinking, collaboration. peer editing. 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 Advanced Placement® History. 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, providina 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

NCAA

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.

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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 Indiana at not only accepted 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 ACP United States presentations. 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 of race. representations class. gender and sexuality in modern media? Students will be challenged summarize. analyze. to 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 The curriculum will presentations. 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 provide relevant, will exciting content that ranges from Homer to Edgar Allan Poe to Christopher Nolan. Ultimately, this course can unlock the potential for students to become producers of media rather than mere consumers of it.

Penn# 0398/0399 ENGLISH COMPOSITION ENGL 111 & INTRO TO LITERATURE ENGL 206 Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: English 11 Weight: 4.5 DOE# 1008 DOE- English 12 College Credits: 6 Course Description:

ENGL 111-- English Composition is designed to develop students' abilities to think, organize, and express their ideas clearly and effectively in writing. This course incorporates reading, research and critical thinking. Emphasis is placed on the various forms of expository writing such as process, description, comparison, narration. analysis, persuasion, and argumentation. A paper is required. research Numerous in-class writing activities are required in addition to extended essays written outside of class. To earn dual credit, lvy Tech prerequisites must be met. ENGL 206-- Intro to Literature focuses on development of basic strategies for critically reading and interpreting poetry, fiction, and drama. This course provides an introduction to

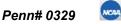
the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing assignments. Prerequisite is ENGL 111.

Penn# 0325/0326 Ψ 🗠 ACP COMPOSITION & ACP

LITERATURE Semesters:1 or 2 Credits:1 or 2 Grade Level: 12 Prerequisites: English 11 AND IU admission requirements Weight: 5.0 DOE# 1124 IU-W131 Reading, Writing & Inquiry/ENG-L 202 Literary Interpretation College Credits: 3-6

Course Description:

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



AP® ENGLISH LITERATURE & COMPOSITION 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 deepen literature to 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 outlining, research, analysis, delivery. critical listening and evaluation, presentational aids, and use of appropriate technology, class lecture, class discussion, student presentations, and other active learning techniques will be used in this course. A prerequisite is required for the Ivy Tech portion of the course.

Penn# 0377/0378 ACP SPEECH Semesters: 1 Credits: 1 Grade Level: 11-12 Weight: 5.0 DOE# 1078 IU- SPCH-S121 Public Speaking

Course Description:

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

Penn# 0349 DEBATE I Semesters: 2

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 accuracy. of objectivity and conciseness in journalistic endeavors and will become media consumers. Students will practice extensively the techniques of newsgathering, interviewing, writing and copy editina. Students will also learn design about effective of publications, advertising, photography, and broadcasting.

Penn# 0337

STUDENT MEDIA- YEARBOOK Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 1086 Counts as Fine Arts credits for Academic Honors diploma Course Description:

This course emphasizes creative and informative writing as well as magazine design techniques. The yearbook class is responsible for the entire production of the school yearbook- a full 300 pages. The

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

Penn# 0339

CREATIVE WRITING &

COMPOSITION Semesters: 2 Credits: 2 Grade Level: 10-12 DOE# 1092/1090 Weight: 4.0 Counts as English/Language Arts credits

Course Description:

This course is designed for the student who enjoys writing and is developing interested in 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, complete various writing and exercises aimed at expanding and polishing writing style. Students will be encouraged to submit their work Spectrum, Penn's literary to

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

Penn# 0341

STUDENT MEDIA- SPECTRUM Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 1086 Counts as Fine Arts credits for Academic Honors diploma **Course Description:**

Students who have taken Composition/Creative Writing may elect to enroll in Student Media-Spectrum. This course, designed for the serious writing student. continues to focus on the goals of journal writing, personal narrative, fiction and poetry, with the addition of the publication of Spectrum, Penn's literary magazine. Students will be involved in every aspect of the publishing process from the collection of work, to editing, to lay-out, and. finally, to disbursement. Some after-school time may be necessary as deadlines approach. This is an elective English course that may be selected in addition to the required English courses. This course can be taken multiple times.

RADIO & TV

Radio & Television Pathway:

Penn# 0369 PRINCIPLES OF BROADCASTING (First Level Course for Radio & TV Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.5 DOE# 7139 Ivy Tech VISC 105 Video & Sound College Credits: 3 Course Description:

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

Penn# 0371 AUDIO & VIDEO PRODUCTION ESSENTIALS (Second Level Course for Radio & TV Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Broadcasting Weight: 4.5 DOE# 7306 Ivy Tech VIDT 210 Production

Editing College Credits: 3 Course Description: After taking Principles of Broadcasting 0369. these publications students will continue their work in the PNN Studio and at pnn.phmschools.org. 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 а 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# 0161 MASS MEDIA PRODUCTION (Third Level Course for Radio & TV Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Audio & Video Production Essentials Weight: 4.0 DOE# 7307 or 5974 Course Description:

In this class, students may develop media literacy through instruction and practice, and they engage in all facets of production in the PNN television studio. Students may also participate in а 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 the class lavs groundwork for further study in this field. More information can be found at massmediastudies.net.

Penn# 0162 RADIO & TV BROADCASTING CAPSTONE (Capstone course for Radio & TV Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Mass Media Production Weight: 4.0 DOE# 7308

Course Description:

In this class, students may develop media literacy through instruction and practice, and they engage in all facets of production in the PNN television studio. Students may also participate in a professional internship with local Media companies. Members of the class produce a variety of projects in the studio, and they take them from concept to complete. Students develop a portfolio of work that includes television productions, news segments, music videos, public service announcements, commercial live spots, and multimedia broadcasts. 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 . More information can be found at massmediastudies.net.

Penn# 0393

SPORTS JOURNALISM Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 1086 Counts as Fine Arts credits for Academic Honors diploma Course Description:

Students will promote athletics at Penn High School and provide information about Penn athletics through a variety of ways. Students will produce content for sports publications and a Penn athletics website. Sports journalism students will also create a recruiting center website that would post profiles and highlights of Penn video student-athletes to showcase athletes to college recruiters. In addition, students will produce profiles of Penn student-athletes and create media notes to be distributed to local and state media. promoting Penn student-athletes for

all-state honors. Students will also be involved in video interviews with Penn student-athletes, putting together video highlight packages featuring Penn student-athletes, and broadcasting Penn athletic events. Students will also market Penn athletic events.

Penn#

ELD I (1655) ELD II (1656) ELD III (1657) Semesters: 2 Credits: 2 Grade Level: 9-12 Recommendation: WIDA Scores Weight: 4.0 IDOE: 1012 Course Description:

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

Penn# 1658 LANGUAGE LAB Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 IDOE: 0500 Prerequisite: WIDA Scores Course Description:

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

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

<u>ART</u>

GENERAL ART COURSES

MISCELLANEOUS ART COURSES

Intro to 2D Art 9-12 149 (1 semester)	Intro to 3D Art 9-12 150 (1 semester)		Gallery Docent (Student Asst.) (1 semester)		Portfolio Exi Project 169
Advanced 2D Art (11)(full year) 151	Advanced 3D Art (12th)(full year) 157		Art History I/II 10-12 155	AP Art History 11-12 165	Jewelry 9-12 185
ERAMICS SEQ	UENCE				
Ceramics I/II 109	Ceramics III/IV 111	Ceramics V 113	//VI Cera	mics VII/VIII 115	
IGITAL DESIGN	l (aka Graphic Des	sign) SEQUE	E NCE - Dual C	credit optional, Path	way Optional
Principles of Digital Design VISC 101 (Ivy Tech) 133	Digital Design Graphics VISC 102 (Ivy Tech) 135	Graphic I & Layou 115 (Ivy 13	t VISC G Tech)	raphic Design Capstone 139	
RAWING SEQU	JENCE				
Drawing I/II 117	Drawing III/IV 119	Drawing V/ 121	/VI Draw	ving VII/VIII 123 Or	AP Drawing 153
AINTING SEQU	ENCE			0.	
Painting I/II 101	Painting III/IV 103	Painting V/ 105	∕VI Pain	ting VII/VIII 107 or	AP 2D Studio Art: Painting 154
HOTOGRAPHY	SEQUENCE (10th	- 12th Grade	e only)		
Photography I/II 141	Photography III/IV Phot		tudio Art: graphy 73		
CULPTURE SE	QUENCE				
Sculpture I/II 125	Sculpture III/IV 127	Sculpture V 129	//VI Sculp	ture VII/VIII 131	

VISUAL ARTS

Penn# 0149 INTRODUCTION TO TWO-DIMENSIONAL ART (Course for all Visual Arts Pathways with 0150.) Semesters: 1 Credit: 1 Grade Level: 9-12 Weight: 4.0 DOE# 4000 Course Description:

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

Penn# 0150 INTRODUCTION TO THREE-DIMENSIONAL ART (Course for all Visual Arts Pathways with 0149.) Semesters: 1 Credit: 1 Grade Level: 9-12 Weight: 4.0 DOE# 4002 Course Description:

Students who have previously received credit in ceramics or sculpture can not take this course. This course is not intended for students with previous credit in ceramics or sculpture. Introduction to 3-Dimensional Art is the next phase of the introductory course intended to provide students with the basic skills and techniques in sculpture and ceramics. Clay, plaster, cardboard, textiles, and other 3-dimensional materials may be explored. Through these art experiences, young adult artists will find gratification in creating three-dimensional works of art. Our goal is one in which students gain an appreciation for the arts, and learn how the arts can be integrated into other areas of study.

CERAMICS

Ceramics Locally Created Pathway:

Penn# 0109/0110 CERAMICS I & II (First Level Course for Ceramics Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4040 Course Description:

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

Penn# 0111/0112 CERAMICS III & IV (Second Level Course for Ceramics Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Ceramics I-II Weight: 4.0 DOE# 4040

Course Description:

This course is a further study of clay, glazing, staining and design techniques. Wheel thrown pottery will be introduced. Independent studio practices emphasizing creativity and exploration into the realm of clay as pottery will be applied to non functional and functional ware.

Penn# 0113/0114 CERAMICS V & VI (Third Level Course for Ceramics Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Ceramics III-IV Weight: 4.0 DOE# 4040 Course Description:

This course is a continuing study and development of ceramic skills and techniques, emphasizing the development of individual style. Traditional and contemporary clay sculpture will be applied as students work on free form ceramics and the potter's wheel to create a series of nonfunctional and functional pottery.

Penn# 0115/0116 CERAMICS VII & VIII Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Ceramics V-VI Weight: 4.0 DOE# 4040 Course Description:

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

DRAWING

Drawing Locally Created Pathway:

Penn# 0117/0118 DRAWING I & II (First Level Course for Drawing Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4060 Course Description:

Intro to 2-D or 3-D Art is recommended. This course is an introduction to the basic skills and techniques of drawing and composition. Emphasis will be placed on the elements of structure: line, shape, form, space, value, texture, and color as well as principles of arrangement. Students will explore various media such as pencil, charcoal, pastels, pen and watercolor, marker, ink, and printmaking techniques. Assignments may include: still life perspective drawing, portraiture. drawing, figure drawing. printmaking, scratchboard, graphic and abstract design. Students will be required to keep a sketchbook.

Penn# 0119/0120 DRAWING III & IV (Second Level Course for Drawing Pathway)

Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Drawing I & II Weight: 4.0 DOE# 4060 Course Description:

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

Penn# 0121/0122

DRAWING V & VI (Third Level Course for Drawing Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Drawing III & IV Weight: 4.0 DOE# 4060 Course Description:

This course is a continuing study of drawing and design techniques. Students that advance to this level have more project choices and are encouraged to develop a more personal style/focus. Students will be required to keep a sketchbook quarterly and shoot 1 roll of film per semester for visual references. Assignments mav include: landscape, life drawing, architectural and fashion design, illustration printmaking techniques such as linoleum, intaglio and monoprints, and mixed media. This course combines particularly well with AP Studio Art senior year.

Penn# 0123/0124 DRAWING VII & VIII Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Drawing V & VI Weight: 4.0 DOE# 4060 Course Description:

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

GRAPHIC DESIGN

Digital Design Pathway: (counts as CTE pathway for graduation requirement) (does not count as fine art credit)

Penn# 0133 PRINCIPLES OF DIGITAL DESIGN (First Level Course for Digital Design Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.5 DOE# 7140 Ivy Tech VISC 101 Design Fundamentals College Credits: 3 Course Description:

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

Penn# 0135 DIGITAL DESIGN GRAPHICS (Second Level Course for Digital Design Pathway) Semesters: 2 Credits: 2

Grade Level: 10-12 Prerequisite: Principles of Digital Design Weight: 4.5 DOE# 7141 Ivy Tech-VISC 102 Raster Graphics I College Credits: 3 Course Description:

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

Penn# 0137 GRAPHIC DESIGN & LAYOUT

(Third Level Course for Digital Design Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Digital Design Graphics Weight: 4.5 DOE# 5550 Ivy Tech-VISC 115 Vector Graphics & Pub Design I College Credits: 3 Course Description:

This third year course will build upon previous courses while utilizing the Adobe Creative Suite and offer more open-ended projects. Students will have much more autonomy in making projects their own. The class will also work as a team to run a production shop for real customers by taking on roles and completing jobs from customer inquiry to delivery of the product. Students will learn about package design and the importance of creating a brand. In this class, students will really hone in on their graphic design skills by creating industry level products through innovation.

Penn# 0139

DIGITAL DESIGN CAPSTONE (Capstone Course for Digital Design Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisites: Graphic Design & Layout Weight: 4.0 DOE# 7246 Course Description:

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

PHOTOGRAPHY

Photography Locally Created Pathway:

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

Penn# 0143/0144 PHOTOGRAPHY III & IV (Second Level Course for Photography Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Photography I & II Weight: 4.0 DOE# 4062 Course Description:

Students must have access to a digital camera along with their 35mm manual camera. Students will further explore black and white 35mm photography. Students will focus on building their skills using creative controls of aperture, shutter speed, film, and focusing. Emphasis will be placed on composition, lighting, subject matter, and darkroom techniques. Students will begin to explore digital photography.

Penn# 0173

AP® 2D ART & DESIGN: PHOTOGRAPHY (Third Level Course for Photography Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Photography III & IV Weight: 5.0 DOE# 4050 Course Description:

Students will further explore the world of digital photography creating portfolio quality works and gaining essential photoshop skills. The Placement® (AP®) Advanced 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 designed have been to accommodate a variety of interests and approaches to art. Students must submit 24 pieces that will be evaluated on the basis of quality (student's most successful works with respect to form and content,) concentration (sustained, deep, and multi-perspective investigation of a student-selected topic,) and breadth (a range of ideas and approaches to art-making.). Portfolios will be submitted for evaluation at the end of the semester to the AP® College Board. It is highly recommended that you reference this link regarding the AP® Studio Art 2-D Design Portfolio: http://apcentral.collegebo ard.com/apc/members/exam/exa m information/2134.html

PAINTING

Painting Locally Created Pathway:

Penn# 0101/0102 PAINTING I & II (First Level Course for Painting Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4064

Course Description:

to 2-D or 3-D Art Intro recommended. This course is an introduction to the basic principles of painting. Students will have an opportunity to explore various techniques associated with watercolor, tempera, acrylics, and oil paints. Connections will be made between historically significant painters and periods of art. First year painting students will learn to merge the brush stroke with their imagination.

Penn# 0103/0104 PAINTING III & IV

(Second Level Course for Painting Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Painting I & II Weight: 4.0 DOE# 4064 Course Description:

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

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

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

Penn# 0107/0108 PAINTING VII & VIII Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Painting III & IV Weight: 4.0 DOE# 4064 Course Description:

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

SCULPTURE

Sculpture Locally Created Pathway:

Penn# 0125/0126 SCULPTURE I & II (First Level Course for Sculpture Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4044 Course Description:

This course introduces the basic principles and techniques of sculpture using а variety of materials. Assignments will include sculptural techniques and methods of additive. subtractive, and constructive processes using such materials as clay, cardboard, paper, foam board, wire, plaster, found objects, paper mache', etc.

Penn# 0127/0128 SCULPTURE III & IV (Second Level Course for Sculpture Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Sculpture I & II Weight: 4.0 DOE# 4044 Course Description: Application, and 2nd semester enrollment required. This course is a further study of sculpture with emphasis on the human form and the relationships of size, space and forms in the environment. Students carve a sculpture from soapstone. Other assignments may include: clay, plaster, cardboard, wood carving, paper mache' sculptures, constructism bust, and creating 3-Dimensional buildings, etc.

Penn# 0129/0130 SCULPTURE V & VI (Third Level Course for Sculpture

Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Sculpture III & IV Weight: 4.0 DOE# 4044 Course Description:

Application, and 2nd semester enrollment required. This course is a continuing study of sculptural principles and techniques emphasizing the development of an individual style. Student assignments may include: realistic clay bust, alabaster sculpture, wax sculpture, found objects in metal, plaster, and casting of the human form, wood carving, glass creations etc...

Penn# 0131/0132 SCULPTURE VII & VIII

Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Sculpture V & VI Weight: 4.0 DOE# 4044 Course Description:

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

<u>Jewelry</u>

Penn# 0185/0186 JEWELRY I/II Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4042 Course Description:

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

Other Visual Arts Courses

Penn# 0155/0156 ART HISTORY Semesters: 1 Credits: 1 Grade Level: 10-12 Weight: 4.0 DOE# 4024 Course Description:

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

Penn# 0165

AP® ART HISTORY Semesters: 2 Credits: 2 Grade Level: 11-12 Weight: 5.0 DOE# 4025 This course is weighted on a 5.0 scale.

Course Description:

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

Penn# 0167

PRINTMAKING Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisites: Drawing I & II OR Graphic Design I & II OR Introduction to 2D & 3D Art Weight: 4.0 DOE# 4066 Course Description:

This is a one semester class designed for students that want to explore a variety of art techniques that can be expressed through printmaking. Some background in drawing and experience in development of drawing skills and the understanding of the elements and principles and what makes a good composition will prove to be most helpful in making effective printmaking projects. The most important factors are willingness to draw, experiment, try, and meet goals. Many different types of printmaking will be explored. Some of these may include: rubbings, eraser blocks, stencils, glue prints, various types of linoleum blocks, mono-prints etching, 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 effort. The guidelines for this 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 apply for to art scholarships and prepare for senior year and a future in the fine arts field. *There is no AP® credit until lt senior year. 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 (Third Level Course for Drawing Pathway) Semesters: 2 Credits: 2

Grade Level: 12 Prerequisites: Advanced Two-Dimensional Art OR Drawing V & VI Weight: 5.0 DOE# 4048 Course Description:

The Advanced Placement® (AP®) Studio Art program enables highly motivated students to do college-level work in studio art while still in high school. The program is intended to help students build a professional portfolio that can be submitted for entrance to an Art College, University, or Institute as well as scholarship opportunities. Guidelines for Advanced Placement® Studio Art portfolios been designed have 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 Portfolios will art-making.). be submitted for evaluation at the end of the semester to the AP® College portfolio Board. Automatic submission. however, does not quarantee college credit. This decision is determined by the individual school. It is highly recommended that you reference this link regarding the AP® Studio Art 2-D Design Portfolio:

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

Penn# 0154 AP® 2D ART & DESIGN: PAINTING (Third Level Course for Painting Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisites: Advanced Two-Dimensional Art OR Painting V & VI Weight: 5.0 DOE# 4050 Course Description:

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

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

Penn# 0157/0158 ADVANCED THREE-DIMENSIONAL ART

(Third Level Course for Ceramics or Sculpture Pathways) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: 2 years of ceramics OR sculpture, OR approval of instructor Weight: 4.0 DOE# 4006 Course Description:

Ceramics or Sculpture. This course is open to Juniors as a prerequisite to the AP® Senior Studio Sculpture/Ceramics. Juniors will not submit their portfolio until senior year. Students will create part of their portfolio that can be partially senior year. used their 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: <u>http://apcentral.collegeboard.com</u> /apc/members/exam/exam_inform ation/2135.html

Penn# 0175

AP® 3D ART & DESIGN (Third Level Course for Ceramics or Sculpture Pathways) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisites: Advanced Three-Dimensional Art Weight: 5.0 DOE# 4052 Course Description:

Ceramics or Sculpture. The Placement® (AP®) Advanced 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 the in program will strive to produce high quality artwork, and their submitted portfolios should reflect this effort. The quidelines for Advanced Placement® Studio Art portfolios been designed have 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 deep, (sustained, and multi-perspective investigation of a student-selected topic.) and breadth (a range of ideas and approaches to Portfolios art-making.) will be submitted for evaluation at the end of the semester to the AP® College Board. Automatic portfolio submission. however, does not quarantee credit. This college 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 inform ation/2135.html

Penn# 0169

PORTFOLIO EXIT PROJECT Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Teacher Approval Weight: 4.0 DOE# 4004 Course Description:

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

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

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

BAND

Freshmen Intermediate Concert Band (817)

Intermediate Concert Band (819)

Symphonic Band -Advanced Concert Band (839)

Symphonic Winds Advanced Concert Band (841)

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

Advanced Jazz Ensemble (829) Must be enrolled in a concert band class Kaleidoscope Jazz Combo (849) Must be enrolled in a band or orchestra class

BAND

Band Locally Created Pathway:

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

Penn# 0817 FRESHMAN INTERMEDIATE CONCERT BAND (Course for Band Pathway) Semesters: 2 Credits: 2 Grade Level: 9 Prerequisite: Successful completion of middle school band Weight: 4.0 DOE# 4168 Course Description:

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

Penn# 0819

INTERMEDIATE CONCERT BAND

(Course for Band Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Any PHM band course Weight: 4.0 DOE# 4168 Course Description:

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

Penn# 0839 SYMPHONIC BAND -ADVANCED CONCERT BAND (Course for Band Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Audition Weight: 4.0 DOE# 4170 Course Description:

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

Penn# 0841 SYMPHONIC WINDS-ADVANCED CONCERT BAND

(Course for Band Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Audition & private lessons are highly encouraged Weight: 4.5 DOE# 4170 Course Description:

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

Penn# 0827 INTERMEDIATE JAZZ ENSEMBLE

(Course for Band Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Prerequisites: Must be enrolled in Symphonic or Concert Band and permission of instructor Weight: 4.0 DOE# 4164 Course Description:

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

This course is available to students also enrolled in a concert band class. Pianists and guitarists may audition into the ensemble without participation in a concert band. Bassists should be enrolled in an orchestra class. Emphasis is placed on technical development and sight-reading skills. Jazz theory and improvisation are included in the course of study. The group performs several times each year. Students with previous instrumental study may enroll.

Penn# 0829

ADVANCED JAZZ ENSEMBLE (Course for Band Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: Must be enrolled in Symphonic or Concert Band and audition Weight: 4.5 DOE# 4164

Course Description:

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

This course is available by audition to students also enrolled in a concert band class. Pianists and guitarists may audition into the ensemble without participation in a concert band. Bassists should be enrolled in an orchestra class. Emphasis is placed on technical development and sight-reading skills. Jazz theory and improvisation are included in the course of study. The group performs several times each year. Students with previous instrumental study may enroll.

Penn# 0849 KALEIDOSCOPE JAZZ COMBO-

INSTRUMENTAL ENSEMBLE (Course for Band Pathway) Semesters: 2 Credits: 2

Grade Level: 10-12 Prerequisite: Audition Weight: 4.0 DOE# 4162 Course Description:

Emphasis is placed on tone. instrument and bow technique development, sight-reading, and advanced performance techniques. Participation in ISSMA Solo & 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 qoals. Students musical will participate performance in 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 music performances and are included. Students are required to attend regularly scheduled evening rehearsals. as well as extra rehearsals, which are designed to insure musically successful performances. Private lessons are strongly encouraged for successful participation in this ensemble. This course is designed to offer advanced instrumental performers an opportunity to study and perform chamber music literature. String Quartet, wind/string combinations, and other chamber literature will be studied, arranged, rehearsed, and performed. These groups could perform many times per year at various places in the community.

Penn# 0823 PERCUSSION STUDIES (Course for Band Pathway) Semesters: 2 Credits: 2

Grade Level: 9-12 Pre/Corequisite: Current percussionist in a band course. Weight: 4.0 DOE# 4162 Course Description:

Intermediate The Percussion Studies students meet as а separate class to learn percussion techniques and reading skills for a wide variety of percussion instruments and literature. All students will perform with one of three concert bands (0817, 0819 or 0839) for all concerts and contests. There will be 4-5 required performances throughout the year.

Penn# 0825 ADVANCED PERCUSSION

STUDIES

(Course for Band Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Pre/Corequisite: Audition & Current percussionist in a band course. Weight: 4.0 DOE# 4162

Course Description:

Students meet as a separate class to learn percussion techniques and reading skills for a wide variety of percussion instruments and advanced literature. All students will perform with one of two concert bands (0839 or 0841) for all concerts and contests. There will be several required performances throughout the year. Private lessons are required.

ORCHESTRA

String Orchestra Intermediate Orchestra (L) (9-12) 831 Concert Orchestra Intermediate Orchestra (L) (9-12) 847

Symphonic Orchestra Advanced Orchestra (L) (10-12) 833 Philharmonic Orchestra Advanced Orchestra (L) (9-12) 834

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

ORCHESTRA

Orchestra Locally Created Pathway:

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

Penn# 0831 STRING ORCHESTRA-INTERMEDIATE ORCHESTRA (Course for Orchestra Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Prerequisite: Successful completion of middle school orchestra Weight: 4.0 DOE# 4172

Course Description:

String Orchestra is for students who play a string instrument at an intermediate level. Emphasis is placed on tone. technique development and sight- reading. Participation in ISSMA Solo/Ensemble contest is highly encouraged as these activities develop elements of musicianship. Music is selected from classical. folk, and new string popular. literature. Private lessons are highly encouraged. A limited number of public performances serve as a culmination of daily rehearsal and goals. Students musical must participate in performance opportunities outside of the school day; these support and extend learning in the classroom. Students must perform, with expression and technical accuracy, a large and varied repertoire of orchestral literature that is developmentally appropriate. Evaluations of music

and music performances are included.

Penn# 0847 CONCERT ORCHESTRA-INTERMEDIATE ORCHESTRA (Course for Orchestra Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Prerequisite: Audition Weight: 4.0 DOE# 4172 Course Description:

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

Penn# 0857 CHAMBER ORCHESTRA-INSTRUMENTAL ENSEMBLE (Course for Orchestra Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12

Prerequisite: Audition Weight: 4.0 DOE# 4162 Course Description:

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

Penn# 0833

SYMPHONIC ORCHESTRA-ADVANCED ORCHESTRA (Course for Orchestra Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Audition Weight: 4.5 DOE# 4174 Course Description:

This advanced orchestra class is available by audition to string musicians at an upper intermediate to advanced level. Emphasis is placed on tone, instrument and bow technique development. sight-reading, advanced and performance techniques. Participation in ISSMA Solo & amp; Ensemble contest is hiahlv 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 Students musical goals. 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 music performances and are included. The Symphonic Orchestra will participate in Concert Tours, Festivals, and the ISSMA State and District Contests. Students are attend required to regularly scheduled evening rehearsals, as well as extra rehearsals, which are designed to insure musically successful performances. Private lessons are strongly encouraged for participation in this successful ensemble.

Penn# 0834

PHILHARMONIC ORCHESTRA -ADVANCED ORCHESTRA (Course for Orchestra Pathway) 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 Students will have music history. opportunities to experience live performances professional bv musicians during and outside of the school day. A limited number of public performances may serve as a culmination of daily rehearsal and Students musical doals. 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 repertoire of orchestral varied 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 musically successful insure performances. This course is designed to offer intermediate-advanced instrumental performers an opportunity to study and perform string music literature, with an opportunity to play chamber music in small ensembles.

ELECTIVE MUSIC

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

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

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

ELECTIVE MUSIC

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

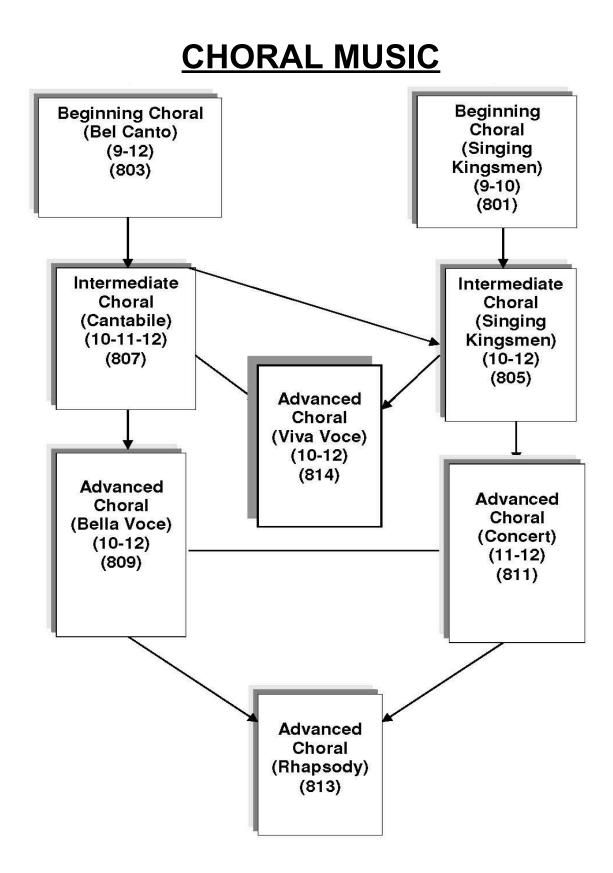
Penn# 0843/0844 MUSIC TECHNOLOGY I & II Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 4202 Course Description:

Piano keyboard experience is helpful. but not necessary. This course will take an in-depth look at the growth of the synthesizer and other electronic instruments that have so greatly changed our contemporary music. Students will study the development of sound reinforcement and electronic music. and gain experience in MIDI, programming, sequencing, and audio recordina. Computer technology will be recognized as the fast changing foundation of recording arts.

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

This course is a study of the elements in music including aural and visual concepts in notation. Students study the structure of music and the underlying elements of how music works. All this information is applied through music composition or writing. Computers and software are utilized in this classroom. Penn# 0845 AP® MUSIC THEORY Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Music Theory I & II or pass the Final Exam for Music Theory I & II Weight: 5.0 DOE# 4210 Course Description:

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



CHORAL MUSIC

Choral Locally Created Pathway:

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

Penn# 0801 SINGING KINGSMEN- BEGINNING CHORAL (Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 4182

Course Description:

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

Penn# 0803 BEL CANTO- BEGINNING CHORAL

(Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 4182 Course Description:

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

Penn# 0805 SINGING KINGSMEN-INTERMEDIATE CHORAL (Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Beginning Chorus-Singing Kingsmen or permission of instructor Weight: 4.0 DOE# 4186 Course Description:

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

Penn# 0807

BELLA VOCE- INTERMEDIATE CHORAL

(Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Beginning Chorus or permission of instructor Weight: 4.0 DOE# 4186 Course Description: This intermediate women's choir is open to all students that have completed the beginning level Bel Canto course, or those students that have been given permission from instructor. The course is the designed to build upon and further develop the concepts and skills learned in beginning choir. placed on tone. Emphasis is technique, breath control, music theory, and sight reading. Students will be performing a wide variety of musical styles, and participation in ISSMA Solo/Ensemble contest is highly encouraged. Students are expected to perform at shows several times during the year.

Penn# 0809

CANTABILE- ADVANCED CHORAL

(Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Audition Weight: 4.5 DOE# 4188 Course Description:

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

Penn# 0811 GOLD STANDARD- ADVANCED CHORAL (Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Audition Weight: 4.5 DOE# 4188 Course Description:

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

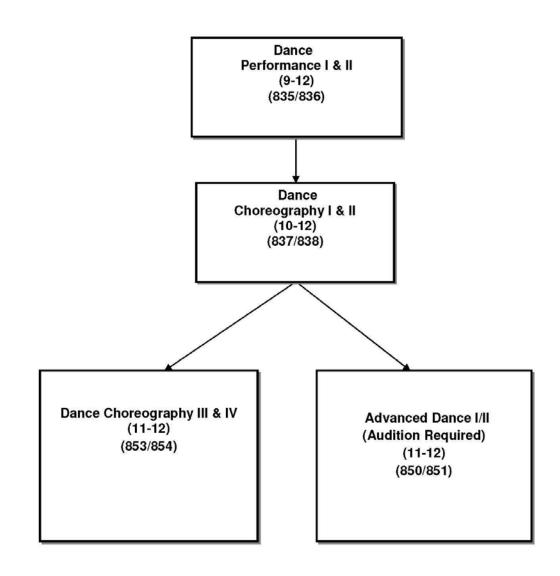
Penn# 0813 RHAPSODY- CHORAL CHAMBER ENSEMBLE (Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Audition AND enrollment in Cantabile Voices or Gold Standard Weight: 4.0 DOE# 4180 Course Description:

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

Penn# 0814 VIVA VOCE- CHORAL CHAMBER ENSEMBLE (Course for Choral Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: Audition AND enrollment in Cantabile Voices or Gold Standard Weight: 4.0 DOE# 4180 Course Description:

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

DANCE



DANCE

Dance Locally Created Pathway:

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

Penn# 0835/0836 DANCE PERFORMANCE I & II (First Level Course for Dance Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4146 Course Description:

This course is designed to introduce and develop understanding of dance concepts and terminology, and to develop beginning skills in ballet, jazz, modern and tap dance technique. Beginning choreographic elements and principles will be introduced. Student will participate in a performance as a culminating activity at the end of the course. Student must supply own dance apparel and shoes.

Penn# 0837/0838

DANCE CHOREOGRAPHY I & II (Second Level Course for Dance Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Dance Performance I & II Weight: 4.0 DOE# 4142 Course Description:

This course is designed to continue development and application of ballet, modern, jazz, and tap techniques, concepts, and terminology. Intermediate choreographic elements and principles will be studied. Students will create and perform original choreography. They will participate in a concert performance as a culminating activity at the end of the course. Student choreography will be presented at this time. Student must supply own dance apparel and shoes.

Penn# 0853/0854 DANCE CHOREOGRAPHY III & IV (Third Level Course for Dance Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Dance Choreography I & II Weight: 4.0 DOE# 4142 Course Description:

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

Penn# 0850/0851 ADVANCED DANCE I & II (Third Level Course for Dance Pathway) Semesters: 2 Credits: 2

Grade Level: 11-12 Prerequisites: Dance Choreography I & II AND Audition Weight: 4.0 DOE# 4146 Course Description:

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

THEATRE

Theatre Arts I & II

(9-12)

(343/344)

Technical Theatre I & II

(9-12)

(347/348)

Advanced

Theatre Arts I & II

(10-12)

(345/346)

Advanced Technical Theatre I & II

(10-12)

(381/382)

Advanced Acting I & II (11-12) (383/384)

THEATRE

Theatre Locally Created Pathway:

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

Penn# 0343/0344 THEATRE ARTS I & II (Course for Theatre Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4242 Course Description:

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

Penn# 0345/0346 ADVANCED

THEATER ARTS I & II (Course for Theatre Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Theatre Arts I & II Weight: 4.0 DOE# 4240 Course Description: This course is for students who want a deeper knowledge of acting and performance. Students will practice using the voice, body and mind to create characters through scripted and improvised activities. More in-depth practice will be done with the voice including articulation, enunciation, volume, stress, speed, pitch, inflection, and intonation. Acting theory and script analysis will be explored and put to use in the performance of monologues, scenes and plays. Study will also include theatre history, the audition process, and career opportunities within the world. theatre Students will complete a written evaluation of a live theatre performance usina predetermined criteria. Students collaborate with Advanced Acting students to put on a production. Required audition, rehearsals, or performances may be held outside of the school day. Field Trip expenses may vary.

Penn# 0383/0384

ADVANCED ACTING I & II (Course for Theatre Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: Advanced Theater Arts I & II Weight: 4.0 DOE# 4250 Course Description:

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

Penn# 0347/0348 TECHNICAL THEATRE I & II (Course for Theatre Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4244 Course Description:

This course is for students who want to learn about the many technical production. aspects of play Instruction will combine technical theatre theories of desian. 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 theatre arts will be technical explored. In addition to class time, students will be required to participate in some out of class projects. Field trip expenses vary.

Penn# 0381/0382 ADVANCED TECHNICAL THEATRE I & II (Course for Theatre Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Technical Theatre I & II Weight: 4.0 DOE# 4252

Course Description:

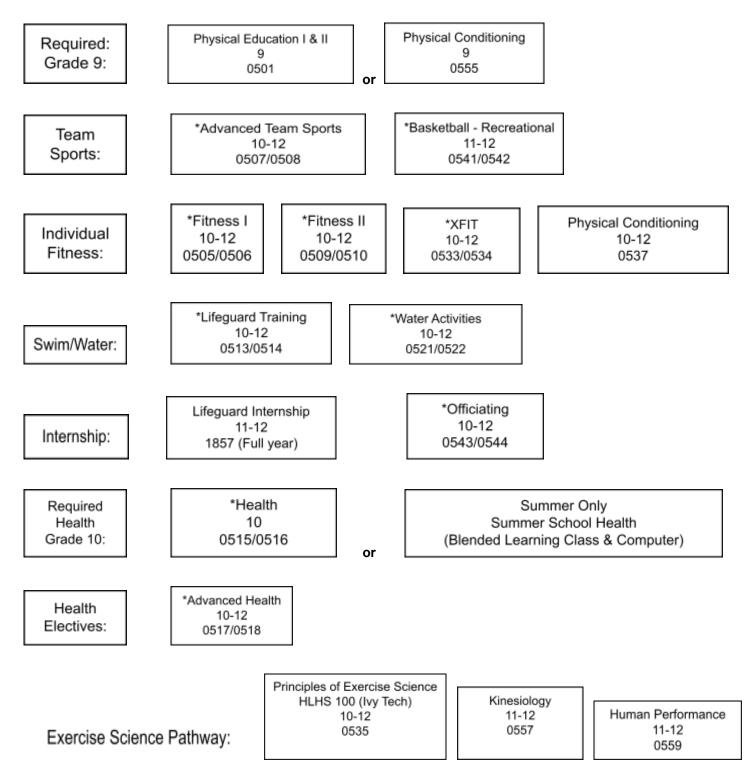
Students enrolled in Technical Theatre will actively lead and supervise in the process of designing, building. managing, drafting programming, and implementing the technical aspects of a production. These activities will incorporate elements of theatre history, culture, analysis, aesthetic response, 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



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

ELECTIVE PHYSICAL EDUCATION COURSES

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

Penn# 0537/0538 (for credit) 0551/0552 (for no credit) 0525/0526 ("0"Hour) 0555/0556 (PE-9) PHYSICAL CONDITIONING Semesters: 1 Credits: 1 Grade Level: 9-12 Prerequisite: Desire to tryout and/or participate on a Penn athletic team Weight: 4.0 DOE# 3560 Course Description:

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

Penn# 0505 AND/OR 0506 FITNESS I

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

Weight: 4.0 DOE# 3560 Course Description:

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

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

Penn# 0509 AND/OR 0510 FITNESS II

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

This will be a continuation of skills learned Fitness in Ι, 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 and three different weights 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. combination of athletic А conditioning, plyometrics, Olympic weightlifting, medicine ball and dumbbell training, some swimming is possible, body weight movements, running and jump roping will be used. The workouts are always varied. Application must be filled out and approved by teacher in order to take XFit twice.

Penn# 0513 AND/OR 0514

LIFEGUARD TRAINING Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: B or better in Physical Education I & II AND Pass Swim Test Weight: 4.0 DOE# 3560 Course Description: Swim Test consists of: 550 yard swim including breaststroke & front crawl with rhythmic breathing, swim 20 yds., surface dive to a depth of 7 ft., retrieve a 10 lb. object, return to the surface, and swim 20 yds. back to the starting point, and exit without a ladder (1 minute, 40 seconds). Swim 5 vds; submerge and retrieve three diving rings placed 5 yds apart in 4-7 feet of water: resurface: and swim 5 vds to the side of the pool. This course provides participants with the knowledge, skill, and practice needed to become well-trained and effective lifeguards at pools and at a waterfront environment. Certificates are given.

Penn# 1858 (1857 0 credit) PENN LIFEGUARD INTERNSHIP (WBL)

Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Lifeguard Certification and First Aid, CPR and AED Certification Weight: 4.0 DOE# 5974 Course Description:

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

Penn# 0521 AND/OR 0522 WATER ACTIVITIES

Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: Physical Education I & II AND Pass Swim test OR Case Conference Committee recommendation Weight: 4.0 DOE# 3560 Course Description:

Swim Test includes: 4 laps of pool, Tread water for 5 minutes. Comfortable swimming in deep water for long periods of time. Water Activities is a one-semester course where students may enhance their physical fitness through water related activities. Students use their swimming ability to play a variety of water games and team challenges such as water polo, ultimate torpedo, water basketball, diving board games and water soccer. Students have the opportunity to be introduced to scuba diving and experience an actual dive in the pool. Students will create and present their own pool game.

Penn# 0507 AND/OR 0508 (Coed) 0547 AND/OR 0548 (Girls) ADVANCED TEAM SPORTS Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: Phys Ed I & II Weight: 4.0 DOE# 3560 Course Description:

Advanced Team Sports promotes lifelong physical activity through team sports. Students will incorporate daily fitness into a lifetime routine. This elective will feature advanced fundamentals, techniques, and strategies of the following activities: softball, tennis, flag football, ultimate frisbee, indoor soccer, volleyball, basketball, and recreational sports. To take a course a second time: student must have earned an "A" or "B" in ATS the first time. **We do offer a female section as well as the coed option.

Penn# 0541 AND/OR 0542

BASKETBALL-Recreational Semesters: 1 Credits: 1 Grade Level: 11-12 Prerequisite: B or better in Physical Education I & II OR teacher approval Weight: 4.0 DOE# 3560 Course Description:

This one semester course is designed to meet the fitness needs of both boys and girls who want to use the sport of basketball for cardiovascular exercise. With the class focus on basketball game play, students will use half of the daily class time in half court 5 on 5 competition and the other half of class on full court 5 on 5 All students competition. will demonstrate basketball game play knowledge and take turns with officiating responsibilities of the full court game. Daily sportsmanship is required. Course can only be taken one time each semester.

Penn# 0543 / 0544 OFFICIATING Semesters: 2 Credits: 2

Grade Level: 10-12 Prerequisite: PE I & II Weight: 4.0 DOE# 3560 (Students can take 2 semesters) Course Description:

Officiating is a course created in partnership with the IHSAA. Students will study and practice officiating in 2 sports each semester. Once students have learned the rules and standards of officiating they will take the IHSAA test and become licensed officials. Student Officials can officiate middle school and little league sports.

Field experience is required and may happen outside of class time and/or outside of the school day. The teacher will coordinate with students.

Some sports knowledge is required for students to be successful in this course.

<u>HEALTH</u>

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 drua and alcohol education. including prescription drugs and vaping. This course assists students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease. A variety of instructional strategies and current events will bring this course to life. Peer class discussions also make this a don't miss class.

Penn# 0517 OR 0518 ADVANCED HEALTH EDUCATION Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: Health & Wellness Education Weight: 4.0 DOE# 3500

Course Description:

Advanced Health Education is a health elective course for those students who may be interested in a health related career. Students will study the history of medicine, systems of the body, bones and muscles, CPR, Torts, risk appraisals and current health trends. Careers in health are researched, explored and job shadowed. Canvas work and job interviews are also included.

EXERCISE SCIENCE

Exercise Science Pathway:

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

Course Description:

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

Penn# 0557

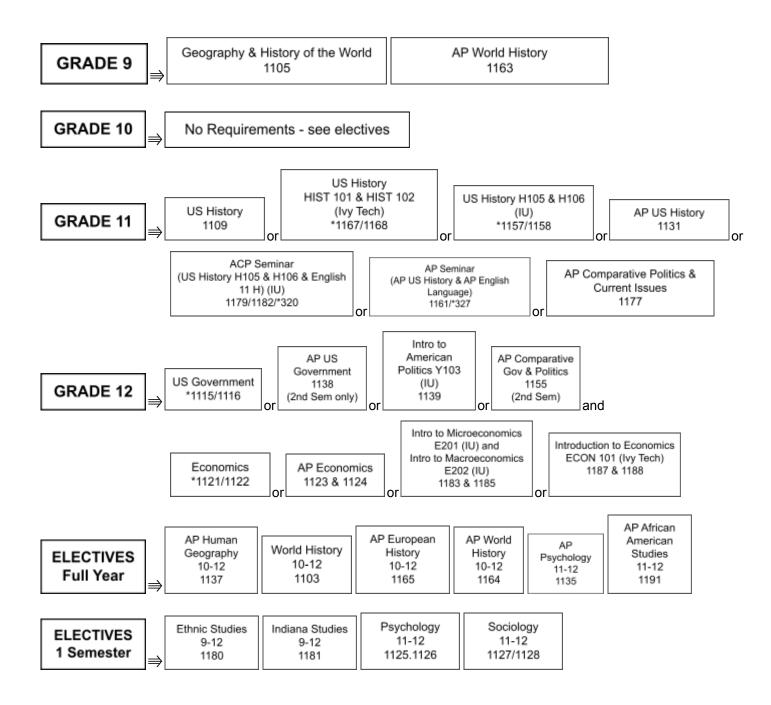
KINESIOLOGY (Second level course for Exercise Science Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Principles of Exercise Science Counts as 3rd science course Weight: 4.0 DOE # 7321 Course Description:

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

under the direction of licensed Athletic Trainers. Penn# 0559 HUMAN PERFORMANCE (Third level course for Exercise Science Pathway) Semesters: 2 Credits: 2 Grade Level : 11-12 Prerequisite: Principles of Exercise Science Weight: 4.0 DOE # 7322 Course Description:

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

SOCIAL SCIENCES



Q = Quantitative Reasoning Course Ψ = Indiana University Dual Credit *■* = Purdue University Dual Credit \Rightarrow = Ivy Tech CC Dual Credit **b** = Ball State University Dual Credit

SOCIAL SCIENCES

Penn# 1137

AP® HUMAN GEOGRAPHY Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Geography and History of the World Weight: 5.0 DOE# 1572 Course Description:

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. All students enrolled in this course will take the AP® Human Geography exam in the spring.

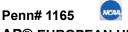
Penn# 1103 WORLD HISTORY AND CIVILIZATION Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 1548 Course Description:

This course is designed to give a panorama of history from earliest times to 1900. It covers the traditional societies of the West, Asia, and Africa. The course is designed to show the continuity of history; forces and ideas that have shaped history; and

developments in the arts, religion, and social life.

Penn# 1163 (9) Penn# 1164 (10-12) AP® WORLD HISTORY Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 5.0 DOE# 1612 Course Description:

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



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 bv historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing about comparison. reasoning and continuity causation, 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.



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 IF Image Semesters: 2 Credits: 2 Grade Level: 11 Prerequisite: Must meet I.U. admissions requirement Weight: 5.0 DOE# 1542 IU-H105 American History I/H106 American History II College Credits: 6 Course Description:

This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Although this course is offered to meet Indiana's state standards for US History credit, its applicants must meet guidelines prescribed by Indiana University. Students will earn six credit hours that are accepted at not only Indiana University, but all other state schools as well as over 700 colleges and universities across the country. The student will be awarded a weighted grade for this course. The course will focus on various themes

beginning with the age of exploration and continuing through the Reagan presidency. Students will focus on these themes through various strategies including reading primary and secondary sources, and historical writing projects and presentations. United States History H105/106 is a course that allows students an in-depth study of the history of our great nation. Students are awarded three credit hours per semester for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit. Students enrolled in ACP US History for IU credit must pay the additional hourly fee assessed by Indiana University to cover the cost of six credit hours. Students receiving free and reduced lunches can have this fee waived. See the ACP US History instructor for more details.

Penn# 1179/1182/0320 I Reveal ACP US HISTORY with ENGLISH 11 HONORS (SEMINAR) Semesters: 2 Credits: 4 Grade Level: 11 Prerequisite: English 10 AND meet I.U. admissions requirements 6 college credits Weight: 5.0 DOE# 1542/1006 IU-H105 American History I/H106 American History II Course Description:

This is a college course designed for capable juniors who meet the standards of academic rigors and success equaling those of a college freshman. Students will receive 2 HS Credits in English 11 Honors & 2 HS Credits in US History H105/106. Although this course is offered to meet Indiana's state standards for US History credit, its applicants must meet guidelines prescribed by Indiana University. Students will earn six credit hours that are accepted at not only Indiana University, but all other state schools as well as over 700 colleges and universities across the country. The student will be awarded a weighted grade for the history portion of the class. The course will focus on various themes beginning with the age of exploration and continuing through the Reagan presidency. Students will focus on these themes through various strategies including reading primary and secondary sources, and historical writing projects and **ACP United States** presentations. History is a course that allows students an in-depth study of the history of our great nation. Students are awarded three credit hours per semester for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit. The course will also develop students' skills in writing, critical thinking, literary analysis, and close reading. Texts that support the historical context will be explored including poetry, short stories, novels, etc. Students will be asked to work individually as well as collaboratively throughout the year.

Penn# 1167/1168 US HISTORY Semesters: 2 Credits: 2 Grade Level: 11 Weight: 4.5 DOE# 1542 Ivy Tech-HIST 101/HIST 102 Survey of American History I & II College Credits: 6 Course Description:

HIST 101. SURVEY OF AMERICAN HISTORY I - Covers major themes and events in history including exploration of the New World; the colonial period; causes of the American and results 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, course will the emphasize learning, collaborative 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 constitutional representative of democracy in the United States. Responsible and effective participation of citizens is stressed. Students will understand the nature of citizenship. politics. and government and understand the rights and responsibilities of citizens and how these are part of the United States government. Students will examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues and events. As a result, they will be able to explain the role of individuals and groups in government, political, and civic activities and the need for civic and political engagement of citizens in the United States. Students will examine a variety of literary resources throughout the semester from reputable news organizations, political science research, and text. Naturalization test for citizenship is required.

Penn# 1138 AP® U.S. GOVERNMENT & POLITICS Semesters: 1 (2nd sem. only) Credits: 1 Grade Level: 12 Weight: 5.0 DOE# 1560 Fulfills US Gov requirements Course Description:

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

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

Penn# 1189 or 1190 INTRODUCTION TO AMERICAN **GOVERNMENT AND POLITICS** Semesters: 1 Credits: 1 Grade Level: 12 Prerequisites: Passing score on the English Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher. Weight: 4.5 DOE# 1540 **DOE-** United States Government Ivy Tech-POLS 101 Intro to American Government and **Politics** College Credit: 3

Course Description:

Studies federalism, theories of origins and purposes of government and other aspects of the American government including interest groups, political parties, and the electoral process. Emphasis is placed constitutional on backgrounds and the organization and functions of the executive, legislative, and judicial segments of the national government, civil liberties and civil rights, public opinion, media, bureaucracies, and domestic and foreign policy. Naturalization test for citizenship is required

Penn# 1139 Ψ we ACP POLITICAL SCIENCE Semesters: 1 Credits: 1 Grade Level: 12

Prerequisite: Meet IU admission requirements College credits: 3 Weight: 5.0 DOE# 1540 IU-POLS-Y 103 Intro to American Politics Course Description:

ACP Political Science is a 100 level college course designed for capable seniors who meet the standards of academic rigors and success those of equaling а 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 the political science view of 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 Weight: 4.0 DOE# 1514 (Quantitative Reasoning Course) Course Description:

Economics is a one-semester course of study required for graduation. This course is designed to acquaint students with the basic principles of theory and application. This course of study is designed to increase the student's of different understanding 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.

Semesters: 1 Credits: 1 Grade Level: 12 Weight: 4.5 DOE# 1514 Ivy Tech-ECON 101 Economics Fundamentals (Quantitative Reasoning Course)

Course Description:

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

Penn# 1123/1124 😡 🔤

AP® MICRO & MACRO ECONOMICS Semesters: 2 Credits: 2 Grade Level: 11-12 Weight: 5.0 DOE# 1564/1566 (Quantitative Reasoning Course) Course Description:

AP® Economics is a two-semester course of study which fulfills the economic graduation requirement. This course in Microeconomics and Macroeconomics is designed to give students a thorough understanding of the principles of economics. In **Microeconomics** the primary emphasis is on the nature and functions of product markets and the study of factor markets and the role of government in promoting greater efficiency and equity in the In **Macroeconomics** economy. students will learn to measure economic performance, national income, price determination, the financial sector, inflation, stabilization unemployment, economic growth, and policies, international trade and finance. There are two AP® tests associated with this course. In order to receive a weighted grade students are required to take both the AP **Microeconomics** AP AND the Macroeconomics exams.

Penn# 1183 Q U ACP MICROECONOMICS Semesters: 1 Credits: 1 Grade: 11-12 Weight 5.0 DOE# 1514 IU-ECON-E201/103 Introduction to Macroeconomics College Credits: 3 (Quantitative Reasoning Course) Course Description: Intro to Microeconomics - This course will focus on scarcity. opportunity cost, competitive and non-competitive market pricing, and interdependence as an analytical core. Individual sections apply this core to a variety of current economic policy problems, such as poverty, pollution, excise taxes, rent controls, and farm subsidies. Students are awarded three credit hours for earning a C or better. Students must meet admission requirements to attend Indiana University if they are taking the course for I.U. credit.

Penn# 1185 🛛 🔒 🌵

ACP MACROECONOMICS 1 Semester 1 Credit Grade: 11-12 Prerequisite: ACP Microeconomics Weight: 5.0 DOE# 1514 IU-ECON-E202/104 Introduction to Macroeconomics College Credits: 3 (Quantitative Reasoning Course) Course Description:

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

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 sociological perspective. The perspective is a method of studying patterns in people's recurring 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. reliaion. education. economics. community organizations, government, and political and social groups. The

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

Penn# 1180 ETHNIC STUDIES Semesters: 1 Credits: 1 Grade Level: 9-12 Weight: 4.0 DOE# 1516 Course Description:

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups, or use a comparative approach to the of patterns of cultural study development. immigration. and as well the assimilation, as 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, and state legislative practices. procedures. It also includes the and study of state national constitutions historical from а and perspective as a current of foundation government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

Penn# 1171

SOCIAL JUSTICE SOCIOLOGY Semesters: 2 Credits: 2 Grade Level: 12 Weight: 4.0 DOE# 1534/1502 Course Description: Students will receive 1 HS Credit in

Sociology Gandhi said, "Be the change you wish to see in the world" as he recognized the need to improve the world in which he lived. Social iustice 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 The course expands culture.

beyond the United States to look at the anthropology, science of humankind. Specific focus will be put on culture including education, political/economic institutions, religion, and family. Various traditions, beliefs, values, social institutions, art, and the impact of humans on other humans will be considered. During the duration of the course students are required to go outside of the classroom and do as Gandhi said by providing service to others. An intricate element of the course is to apply the knowledge learned in class to others locally, nationally, and globally through service learning.

Penn# 1135 AP® PSYCHOLOGY Semesters: 2 Credits: 2 Grade Level: 11-12 Weight: 5.0 DOE# 1558 Course Description:

This college-level course is designed for qualified students who wish to complete studies in secondary school equivalent to a college psychology introductory This course introduces course. 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, and principles, 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.



AP® COMPARATIVE GOVERNMENT & POLITICS Semesters: 1 (2nd Sem. only) Credits: 1 Grade Level: 12 Weight: 5.0 DOE# 1552 Course Description:

NCAA

The AP® course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. In addition to covering the major concepts that are used to organize and interpret what we know about political phenomena and relationships, the course should cover specific countries and their governments. Six countries form the core of the AP® Comparative Government and Politics course: China, Great Britain, Iran, Mexico, Nigeria, and Russia. By using these six countries, the course can move the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings. This course does not fulfill US Govt requirement.

Penn# 1177

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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

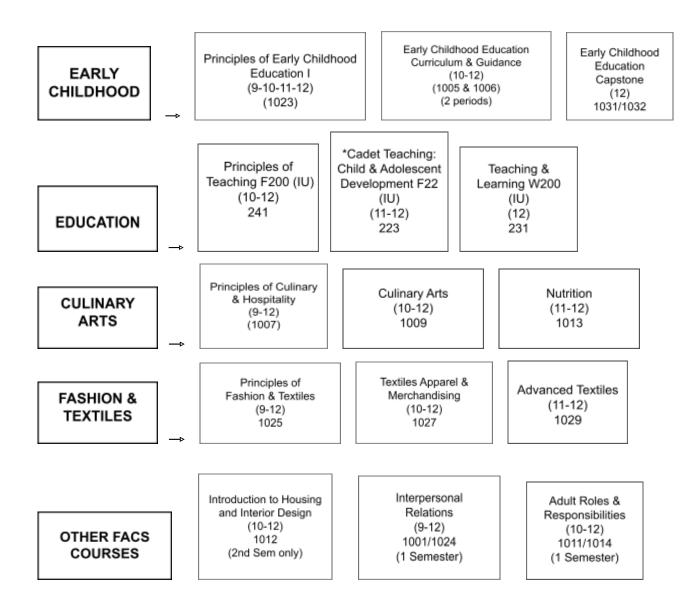
Issues introduces students to used fundamental concepts by political scientists to study the processes and outcomes of politics in a variety of country settings. This course will also provide students an opportunity to observe the social life through the media. The course aims to illustrate the rich 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 and political phenomena 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.

Penn # 1191

AP® AFRICAN AMERICAN STUDIES Semesters: 2 Credits: 2 Grade Level: 11-12 Weight: 5.0 DOE# TBD Course Description:

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

FAMILY & CONSUMER SCIENCES



FAMILY AND CONSUMER SCIENCE EDUCATION

EARLY CHILDHOOD

Early Childhood Education Pathway:

Penn# 1023 PRINCIPLES OF EARLY CHILDHOOD EDUCATION (First level course for Early Childhood Education Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 7160 Course Description:

This course is designed to explore the stages of a child's development from conception through childhood. study of It includes а the responsibilities and decisions involved in effective parenting. Emphasis is given to the physical, emotional, intellectual and social growth of the child. Student directed learning opportunities include a toddler/parent experience (1 - 3 year olds) and play school program (3 - 4 year olds).

Penn# 1005 & 1006 EARLY CHILDHOOD EDUCATION CURRICULUM & GUIDANCE

(Second level course for Early Childhood Education Pathway) Semesters: 2 Credits: 4 Grade Level: 10-12 Prerequisite: Principles of Early Childhood Education Double block class- 1 period daily Weight: 4.0 DOE# 7158 & 7159 Course Description:

This course emphasizes the developmental stages of children beginning with the pre-school child.

Emphasis is placed on designing and implementing learning activities for children preparing to enter kindergarten. Laboratory experiences are divided between a pre-school located in Penn High School and elementary school experiences. Students intern in elementary schools for more than 60 hours. Penn's Playschool 2 offers an additional 60+ hours of work with preschool age children. This is an excellent course for students with interest in education and related career paths.

Penn# 1031/1032 EARLY CHILDHOOD EDUCATION CAPSTONE

(Capstone course for Early Childhood Education) Semesters: 2 Credits: 4 Grade Level: 11-12 Prerequisite: Early Childhood Education Curriculum & Guidance Double block class- 1 period daily Weight: 4.0 DOE# 7259 Course Description:

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

EDUCATION

Education Careers Pathway:

Penn# 0241 PRINCIPLES OF TEACHING (First level course for Education Careers Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 5.0 DOE# 7161 IU-EDUC- F 200 Examining Self as Teacher College Credits: 3

Course Description:

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

Penn# 0223 ♥ ♥ CADET TEACHING: CHILD & ADOLESCENT DEVELOPMENT (Second level course for Education Careers Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Principles of Teaching

Weight: 5.0 DOE# 7157 IU-P 250 General Educational Psychology College Credits: 3 Course Description:

This elective course provides students in grades eleven (11) or twelve (12) organized exploratory teaching experiences in grades kindergarten (K) through grade nine (9). All teaching experiences are preplanned by the high school teacher and the cooperating teacher(s) who are interested in supervising prospective teachers. This course provides a balance of class work relating to: (1)classroom organization, (2)classroom management, (3) the instructional curriculum and 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. methods will Teaching 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 bulletin presentations, boards, library work, individual help, reading assignments, and many other areas. It is а hands-on learning environment. Students who qualify and successfully complete the course may receive three (3) college credits from Indiana University or IUSB (Indiana Bloomington 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 Provide Their Must Own Transportation to Elementary and Middle Schools. Students will be visiting all schools in the district set up by the teacher in the first semester.

Penn# 0231 ADVANCED CADET TEACHING: TEACHING & LEARNING (Third level course for Education Careers Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Cadet Teaching: Child & Adolescent Development Weight: 4.5 DOE# 7162 IU-EDUC-W 200 Using Computers in Education College Credits: 3

Course Description:

Students will be placed in various schools within the PHM Corporation for the entire year. Assignments are completed outside of class and turned in on the due date which is cited on the course syllabus. This course is offered first block and or second block of each day. Students Must Provide Their Own Transportation to Elementary and Middle Schools.

CULINARY ARTS

Culinary Arts Pathway:

Penn# 1007 PRINCIPLES OF CULINARY & HOSPITALITY (First level course for Culinary Arts Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 7173 Course Description:

Culinary Arts enables students to learn the basics of working in the kitchen, with a focus on safety and sanitation, proper equipment use and following a recipe. It empowers them to apply these skills in their everyday lives. This course uses a lab setting for practical application of food preparation. Units of study include yeast breads, fruits, meats, poultry, cakes, cookies, candies, vegetables, pastries, cheese, rice and pasta. Other units include regional foods, eggs, quick breads, soups, and food preservation.

Penn# 1009 CULINARY ARTS (Second level course for Culinary Arts Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Culinary & Hospitality Weight: 4.0 DOE# 7169 Course Description:

In this course, students will continue to expand their culinary skills with both cooking and baking. They will explore various careers in the food industry as well as study global cuisine and prepare several dishes from a variety of countries. Additional units include menu planning and catering.

Penn# 1013 NUTRITION

(Third level course for Culinary Arts Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Culinary Arts Weight: 4.0 DOE# 7171 Course Description:

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

FASHION & TEXTILES

Fashion & Textiles Pathway:

Penn# 1025 PRINCIPLES OF FASHION & TEXTILES (First Level Course for Fashion & Textiles Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Counts as a fine arts requirement Weight: 4.0 DOE# 7301 Course Description:

Sewing. This course has а 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

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

Penn# 1027 **TEXTILES, APPAREL &** MERCHANDISING (Second Level Course for Fashion & Textiles Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Fashion & Textiles Weight: 4.0 DOE# 7302 **Course Description:** Sewing. Fashion and Textiles Careers prepares students for occupations and higher education programs of study related to fashion, apparel, and other textiles management, production, and services. Extensive sewing and

tailoring is included in this higher level. Expect to sew daily and to purchase required tools, fabric and notions for projects.

Penn# 1029 ADVANCED TEXTILES (Third Level Course for Fashion & Textiles Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Textiles, Apparel & Merchandising Weight: 4.0 DOE# 7303 Course Description:

This is a specialized marketing course providing instruction in the marketing of apparel and accessories of all kinds. Emphasis is placed on oral and written communications, problem solving and critical thinking skills as they relate to apparel design, selling, pricing, distribution, fashion promotion, visual merchandising, fashion cycles, fashion theories, and career opportunities in the fashion exposes students to current trends and current events within the industry. Some goals of this course are for students to be able to: identify current trends in hotel and service industry, distinguish the difference between hospitality and tourism, and understand sales and merchandising from both a tourist and occupational point of Instructional view.industry. strategies include may а school-based enterprise, applications, computer/technology real and/or simulated occupational experiences, and projects in the marketing functions.

OTHER FACS COURSES

Penn# 1001 OR 1024 INTERPERSONAL RELATIONSHIPS Semesters: 1 Credits: 1 Grade Level: 9-12 Counts as Health & Wellness requirement with 2 other courses Weight: 4.0 DOE# 5364 Course Description:

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

Penn# 1012 INTRODUCTION TO HOUSING AND INTERIOR DESIGN Semesters: 1 Credits: 1

Grade Level: 10-12 Counts as Fine Arts requirement for Academic Honors diploma Weight: 4.0 DOE# 5350 Course Description:

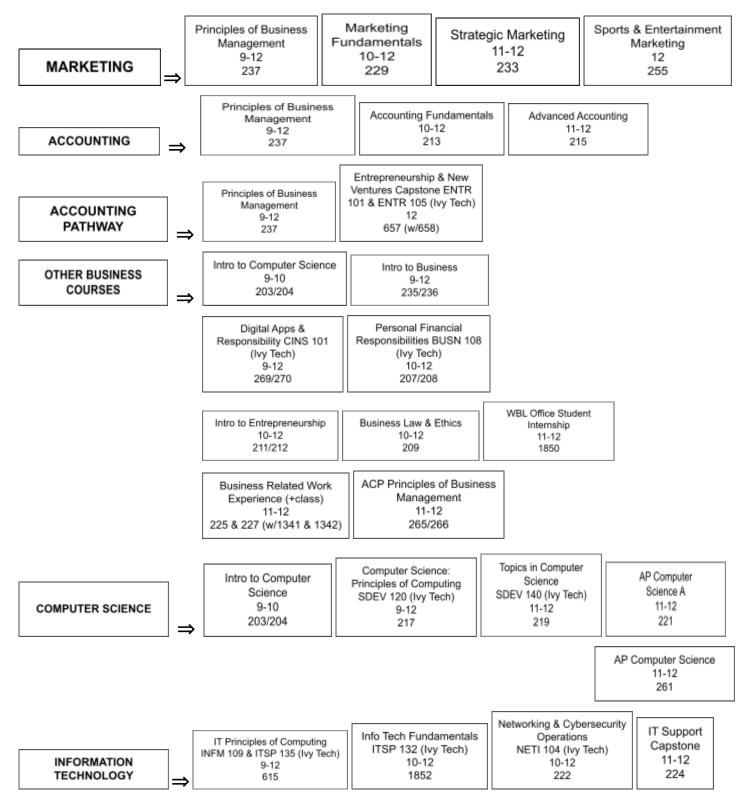
This introductory course is essential for students interested in academic enrichment or a career within the design, interior housing, or furnishings industry. The class focuses on several aspects of the home. primarily its interior environment. Units of study include architectural styles. universal design, 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 such as post-secondary areas education, career exploration, financial literacy, housing, and being a wise consumer. The financial unit places an emphasis on savings, checking, budgeting and wise use of credit.

BUSINESS



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

MANAGEMENT & BUSINESS ACADEMY

Penn# 0237 PRINCIPLES OF BUSINESS MANAGEMENT (First Level Course for all Business Pathways) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 4562 Course Description:

Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free-enterprise system. Students will attain an understanding of management, team building, leadership, problem-solving steps and processes that contribute to the achievement of organizational goals. The management of human financial and resources is emphasized.

MARKETING

Marketing & Sales Pathway:

Penn# 0229

MARKETING FUNDAMENTALS (Second Level Course for Marketing Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Business Management Weight: 4.0 DOE# 5914 Course Description:

Principles of Marketing take place every day of your life and in every job you will hold. This is a class designed to teach students not only about the various functions of marketing, but also how each function fits with the others. Throughout the course, students will learn about marketing in a global economy, sports and entertainment marketing, fashion merchandising, E-commerce, developing a new product, professionalism, and also will be able to create an advertising campaign and learn about possible careers in Marketing. Voluntary Membership in a Marketing Club (DECA)

Penn# 0233

STRATEGIC MARKETING

Course Description:

(Third Level Course for Marketing Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Marketing Fundamentals Weight: 4.0 DOE# 5918

Recommended for all DECA students. А continuation and expansion on the Marketing class. In this class we will explore the marketing mix in more detail and work with local companies with real marketing problems. Students will be responsible for more hands-on projects and critical thinking about marketing for businesses, careers in marketing and how entrepreneurs need and use marketing. Students will be conducting different forms of marketing research, creating an

in-depth marketing plan for an existing company, and producing effective advertising campaigns. Voluntary Membership in a Marketing Club (DECA).

Penn# 0255 SPORTS & ENTERTAINMENT MARKETING (Fourth level course for Marketing Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Pre/Corequisite: Strategic Marketing Weight: 4.0 DOE# 7201 Course Description:

Students taking this course will build upon their prior knowledge of marketing and learn how to apply it directly to sports, recreation and entertainment industries. Students will apply what they are learning directly to marketing sports and entertainment activities here at Penn High School for a more hands-on learning experience. Optional participation in the Career and Technical Student Organization of DECA will be made available.

ACCOUNTING

Accounting Pathway:

Penn# 0213 ACCOUNTING FUNDAMENTALS (Second Level Course for Accounting Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12

Prerequisite: Principles of Business Management Weight: 4.0 DOE# 4524 Course Description:

This course presents the complete accounting cycle for keeping records for both a service-type business and a merchandising business. Instruction is given on the principles and methods of recording business transactions, preparation financial reports. of and interpretation of records. Other topics included are petty cash, sales tax, bad debts, depreciation, and notes and interest. A practice set is also included. Students will find this course helpful in keeping business records as well as their own personal financial records. It provides knowledge that can be applied in the workforce or education beyond high school. The software program Excel is used throughout the course. Provide students with accounting knowledge that is essential for any business degree or profession. Students will have the opportunity to interview with a local accounting firm for an internship.

Penn# 0215 🕹 🔼 **ADVANCED ACCOUNTING** (Third Level Course for Accounting Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Accounting **Fundamentals** Weight: 4.5 DOE# 4522 Ivy Tech-ACCT 122 Accounting Systems Applications **College Credits: 3** (Quantitative Reasoning Course) **Course Description:** This course is designed for the

student who plans to begin work

following high school graduation or for the student who plans to continue his or her education beyond high school. Students have the opportunity to develop employable skills as an accounting Students gain a deeper clerk. 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 and activities develop decision-making skills. Students will be provided with the opportunity to accounting practice apply and theory on automated computer It provides knowledge systems. that can be applied in the workforce or education beyond high school. Business software programs such Microsoft Excel along with as: QuickBooks will be implemented into this course. Course provides students with advanced accounting knowledge and skills needed for college degrees in business. Membership into the Accounting Club.

STARTUP MOXIE Entrepreneurship Pathway:

Penn# 0657A, B & C STARTUP MOXIE (Principles of Entrepreneurship, New Venture Development & Small Business Operations) Semesters: 2 Credits: 6 Grade Level: 12 Prerequisites: Application Weight: 4.5 DOE# 7154, 7148 & 7147 ENTR 100 Entrepreneurial Foundations ENTR 200 Entrepreneurial Mindset & Awareness ENTR 215 New Venture Development College Credits: 16 Course Description:

This class meets first block every day. This is an off-site experience that is run through St. Joe County Startup Moxie Program. The class meets every day from 7:30-9:00. The class meets at various locations throughout the year. Applications can be found at www.moxieinthemaking.org.

Students gain entrepreneurial mindset and skills through applied learning experiences to help launch their ideas into the marketplace.

INFORMATION TECHNOLOGY Information Technology Operations Pathway:

* <mark>Q</mark> Penn# 0615 IT PRINCIPLES OF COMPUTING (First level course for IT **Operations Pathway**) Semesters: 2 Credits: 2 Grade Level: 9-12 Counts as 3rd science course Weight: 4.5 DOE# 7183 Ivy Tech-INFM 109 Informatics Fundamentals & ITSP 135 Hardware/Software Support College Credits: 7 (Quantitative Reasoning Course) **Course Description:**

This course allows students to how computers explore 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 students learn labs. how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.

Penn# 1852 ¥ INFORMATION TECHNOLOGY FUNDAMENTALS

(Second level course for IT Operations Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: IT Principles of Computing Weight: 4.5 DOE# 7180 Ivy Tech-ITSP 132 - IT Support Essentials I College Credits: 2 Course Description:

IT Support Interns will learn how to troubleshoot computers and maintain technology equipment. Objectives of this course include IT support for teacher laptops, student Chromebooks & teacher and maintaining the technology infrastructure to help meet Penn High School technology. In addition, students will learn Linux, cyber security, and server skills.

Penn# 0222 NETWORKING & CYBERSECURITY OPERATIONS (Third Level Course for IT Operations Pathway)

Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: IT Fundamentals Counts as 3rd science course Weight: 4.0 DOE# 7181 Course Description:

This course introduces the secure software development process including designing secure applications, writing secure code designed to withstand various types of attacks, and security testing and auditing. It focuses on the security issues a developer faces, common security vulnerabilities and flaws, and security threats. The course explains security principles, strategies, coding techniques, and tools that can help make software fault tolerant and resistant to attacks.

Penn# 0224

IT SUPPORT CAPSTONE Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: Networking & Cybersecurity Operations Weight: 4.0 DOE# 7245

IT Support Interns will learn how to troubleshoot computers and maintain technology equipment. Objectives of this course include IT support for teacher laptops, student & teacher Chromebooks and the technology maintaining infrastructure to help meet Penn High School technology.

Penn# 1823

IT STUDENT ASSIST (WBL) 2 Semesters 2 Credits Grade Level: 10-12 Prerequisites: Information Technology Fundamentals Weight: 4.0 DOE# 5974 Course Description:

IT Support Interns will learn how to troubleshoot computers and maintain technology equipment. Objectives of this course include IT support for teacher laptops, student Chromebooks teacher and & maintaining the technoloav infrastructure to help meet Penn High School technology.

OTHER BUSINESS COURSES

Penn# 0235 OR 0236 INTRODUCTION TO BUSINESS Semesters: 1 Credits: 1 Grade Level: 9-12 Weight: 4.0 DOE# 4518 Course Description:

A great introductory course for any students interested in business. This course will briefly cover economics, entrepreneurship, management, marketing, law, risk management, banking, personal finance, and careers in business. The importance and application of business etiquette and ethics are included. Introduction to Business will include problem-based projects and group work.

Penn# 0269 OR 0270 DIGITAL APPLICATIONS AND RESPONSIBILITY Semesters: 1 Credits: 1 Grade Level: 9-12 Weight: 4.5 DOE# 4528 Ivy Tech-CINS 101 Introduction to Microcomputers College Credits: 3 Course Description:

Do you need to brush up on your computer skills? Would you like to be proficient in Microsoft Office? Look no further, you can take CINS here at Penn and learn those skills, which will make you a more competitive person in the job market! Students will use Microsoft Word, Excel, and Access software to create and produce letters, tables. reports. graphics applications, spreadsheets, and database projects. Students will also create projects using PowerPoint. Along with the skills acquired in this course, students will

complete a professionalism unit that can be incorporated and utilized throughout a student's high school, college, and professional experience. Not open to students who have taken 2327. Dual credit is available with qualifying scores.

Semesters: 1 Credits: 1 Grade Level: 11-12 Weight: 4.5 DOE# 4540 Ivy Tech-BUSN 108 Personal Finance College Credits: 3 (Quantitative Reasoning Course)

Course Description:

This is a personal finance course that introduces students to banks and the use of banking services accounts, (checking savings accounts, etc.) It also introduces students to the world of credit, how to use credit and the actual costs of using credit. Students will also be introduced to insurance. Students will learn about vehicles, banking, homes. budget. debt and investments.

Penn# 0211 OR 0212 INTRODUCTION TO ENTREPRENEURSHIP Semesters: 1 Credits: 1 Grade Level: 10-12 Weight: 4.0 DOE# 5967 Course Description:

Introduction to Entrepreneurship class here at Penn. Introduction to Entrepreneurship is designed to give students the skills they need to effectively plan, market, finance, and manage a small business. This course covers topics such as: planning, knowing customers and competitors, finding a location, developing a marketing plan, small business assistance, franchising and finances. Students will create an original business plan throughout the semester for the business of their choice. Voluntary Membership in a Marketing Club (DECA)

Penn# 0209 BUSINESS LAW & ETHICS Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 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# 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, Academy Offices, Bookstore, 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,

directions from adult follow supervisors, properly greet visitors, and meet all other high school office rules and expectations. Specific responsibilities may vary from office Some of the required to office. responsibilities, for all students, include completion of writing assignments. career research assignments and creating а professional correspondence letter. In order to be one of the office student interns in Athletics/Student Activity, Bookstore, Division Offices, Guidance Office, IMC and the Main Office, students must enroll in course 1850.

Penn# 0225 BUSINESS-RELATED CLASSROOM EXPERIENCE-CAPSTONE COURSE Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Application AND concurrent enrollment in 0227 Weight: 4.0 DOE# 5974 (6162) Course Description:

This class meets Gold Days "**A**" during Lunch. Business Related Classroom Experience is the classroom component of the **Business Related Work Experience** The instruction in this program. 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. monev and business management, taxes, refinement of skills and career exploration.

Penn# 0227 (w/1341/1342 SH) BUSINESS-RELATED WORK EXPERIENCE Semesters: 2 Credits: 4 Grade Level: 11-12 Prerequisite: Application AND concurrent enrollment in 0225 Weight: 4.0 DOE# 5974 (6162) Course Description:

Students interested in business related careers - general office assistant, bank/credit union teller, receptionist,

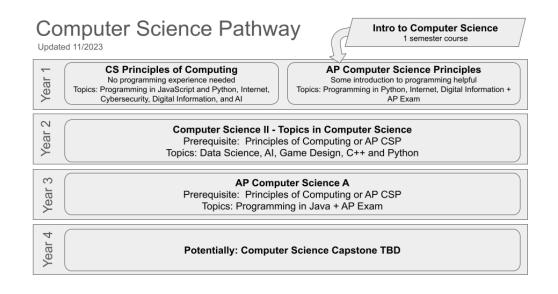
accounting/bookkeeping,

recordkeeping, data entry, sales/selling/retail, clerk. cashier. etc. should enroll in Business Related Work Experience. Business Related Work Experience is an on-the-job training program for young men and women. The student will receive a minimum of 15 hours of training each week, will be paid at least the minimum wage, and will earn four credits for this experience. The Business Related Work Experience program allows students to apply their skills, to explore career possibilities, and to receive vear of one work Students experience. must provide their own transportation

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 Business Administration: Introduction College Credits: 3

Weight: 5.0 DOE# 4562 Course Description:

ACP Principles of Business Administration is a college-level course that prepares students to plan, organize, direct and control the functions and processes of a firm or organization and to perform business-related functions. Students are provided opportunities to develop attitudes and apply skills and knowledge in the areas of business administration, finance. management. and Individual experiences will be based upon the student's career and educational qoals. Students ACP Principles of enrolled in Business Administration will have the opportunity to earn college credit through IU at a reduced tuition cost.



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 students transfer addition, the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

COMPUTER SCIENCE

Computer Science Pathway:

Penn# 0217 Q CS PRINCIPLES OF COMPUTING (First Level Course for Computer Science Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Counts as 3rd science course Weight: 4.5 DOE# 7183 Ivy Tech-SDEV 120 Computing Logic College Credits: 3

(Quantitative Reasoning Course) Course Description:

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

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

OR

Penn# 0261 AP® COMPUTER SCIENCE PRINCIPLES (First Level Course for Computer Science Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Counts as 3rd science course Weight: 5.0 DOE# 7183 (4568) (Quantitative Reasoning Course) Course Description:

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

The AP® Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life.

Weight: 4.5 DOE# 7351 Ivy Tech-SDEV 140 Intro to Software Development College Credits: 3 (Quantitative Reasoning Course) Course Description:

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

Penn# 0221 🛛 😣

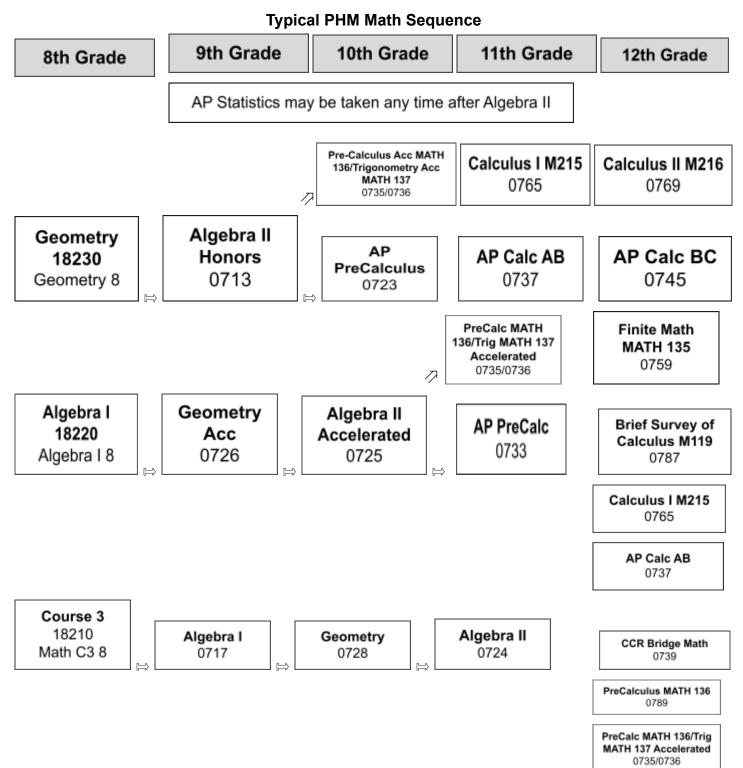
AP® COMPUTER SCIENCE A (Third Level Course for Computer Science Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Topics in Computer Science Counts as 3rd science course Weight: 5.0 DOE# 7352

(Quantitative Reasoning Course) Course Description:

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

language.

<u>MATH</u>



MATHEMATICS

Penn# 0718

ALGEBRA I Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 2520 **Course Description:**

The Mathematics standards for Algebra I are made up of 5 strands: Real Numbers and Expressions; Functions: Linear Equations, Inequalities, and Functions: Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics.

Penn# 0728 GEOMETRY

Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Algebra I (0717) DOE# 2532 Weight: 4.0 **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.

NC44 Penn# 0726 **GEOMETRY ACCELERATED 10** Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Algebra I 8 Weight: 4.0 DOE# 2532 **Course Description:**

The Mathematics standards for Geometry are made up of 5 strands: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. Algebra skills will be reviewed and remediated in this course.

Penn# 0724

ALGEBRA II Semesters: 2 Credits: 2

Grade Level: 10-12 Prerequisite: Geometry (0728) DOE# 2522 Weiaht: 4.0 **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 Exponential Functions: & Equations Logarithmic and Polynomial, Rational, Functions; and Other Equations and Functions; and Data Analysis, Statistics, and Probability. Students who complete this course will enroll in Geometry 728.

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

Penn# 0710 **ANALYTICAL ALGEBRA II**

Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Geometry Weight: 4.0 DOE# 2524 **Course Description:**

This course is designed for students who do not have an Algebra II credit and are planning on earning a Core 40 Diploma. Analytical Algebra II should focus on the application of mathematics in various disciplines including business, finance, science, career and technical education, and social sciences. This course covers most of the traditional Algebra II standards, but the focus is on the application of algebraic concepts rather than theoretical concepts. This course is for those students who may plan to go to college but not necessarily majoring in a heavy Math-related field.

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

NCAA * Penn# 0789 **PRE-CALCULUS** Semesters: 2 Credits: 2 Grade Level: 11-12 3 College Credits can be earned Prerequisites: Algebra II and Geometry Weight: 4.5 DOE# 2564 Ivy Tech-MATH 136 College Algebra **College Credits: 3 Course Description:**

This course is designed for students that need additional work in Algebra attempting before Pre-calculus. College Algebra - Ivy Tech 136 presents an in-depth study of functions. polynomial, quadratic, and rational equations. radical. 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.



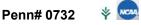
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FINITE MATH Semesters: 2 Credits: 2 Grade Level: 12 3 College Credits can be earned Prerequisite: Algebra II and Geometry or Pre-Calculus Weight: 4.5 DOE# 2530 Ivy Tech-MATH 135 Finite Math College Credit: 3 Course Description:

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

Penn# 0753 ♥ PRE-CALCULUS Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: Algebra II and Geometry Weight: 4.5 DOE# 2564 Ivy Tech-MATH 136 - College Algebra College Credits: 3 Course Description:

Also register for 0732. This course extends the foundations of algebra and functions developed in previous courses to new functions. The course includes concepts that must be mastered prior to enrollment in a college-level calculus class. Α functional approach provides a means for examining linear. quadratic, higher degree, rational relationships and logarithmic functions. A scientific calculator is required and a graphing calculator is highly recommended.



TRIGONOMETRY Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: Algebra II and Geometry Weight: 4.5 DOE# 2566 Ivy Tech-MATH 137 Trigonometry with Analytic Geo College Credits: 3 Course Description: Also register for 0753.

Trigonometric relationships will be developed from an understanding of the circular function and their properties and graphs. Inverse trig functions, trig equations and identities, the Law of Sines and Cosines and applications of trig functions will be studied. The course also includes arithmetic and geometric sequences.

Penn# 0735 **PRE-CALCULUS ACCELERATED** Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: Algebra II Accelerated OR Honors Weight: 4.5 DOE# 2564 Ivy Tech-MATH 136 College Algebra College Credits: 3 **Course Description:** 0736. Also register for Pre-Calculus extends the foundation

of algebra and functions developed in previous courses to new functions and to a more advanced level. Pre-Calculus is made up of the Following strands: Complex Numbers, Functions, Quadratic, Polynomial and Rational Equations and Functions, Exponential and Logarithmic Equations and Functions. This course is designed to provide students with a strong foundation for Calculus. This course is preparing the students for ACP Calculus 215. A scientific calculator is required and a graphing calculator is highly recommended.

Penn# 0736 * * **** TRIGONOMETRY ACCELERATED Semesters: 1 Credits: 1 Grade Level: 10-12 Prerequisite: Algebra II Accelerated OR Honors Weight: 4.5 DOE# 2566 Ivy Tech-MATH 137 Trigonometry with Analytic Geo College Credits: 3 Course Description:

Also register for 0735 Trigonometry Accelerated provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry Conics, Unit Circle, consists of: Periodic Functions, Identities, Polar Coordinates and Vectors. Trigonometry provides the foundation for common periodic functions that are encountered nearly all STEM disciplines. This course is preparing the students for ACP Calculus 215.

Penn# 0733 AP® PRE-CALCULUS Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Algebra II Honors Weight: 5.0 DOE# 2563 Course Description:

AP Pre-Calculus is an Honors course that extends the foundation of algebra and functions developed in previous courses to new functions and to a more advanced level. Pre-Calculus is made up of the

following strands: Functions; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic Functions; Sequences and Series; and Conics. This course is designed to provide students with a strong foundation for Calculus. This course is preparing the students for AP® Calculus AB and for students who expect math to be a major component of their college courses. A scientific calculator is required and a graphing calculator is highly recommended.

Penn# 0787

W MCAA

ACP BRIEF SURVEY OF CALCULUS Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Pre-Calculus AND meet IU admission requirements Weight: 5.0 DOE# 2527 IU-MATH-M119 Brief Survey of Calculus I College Credits: 3

Course Description:

This course is an in-depth study of functions, graphs, limits, continuity, derivatives, and integrals of those functions and their applications. It provides rigorous instruction in mathematical modeling concepts and skills presented in the context of real-world applications. It may be taken for college credit for students pursuing a liberal arts program in college. NOTE: In order to receive weighted credit on transcripts, students must successfully complete both semesters of the course and take the I.U. final exam. An hourly fee for 3 credits will be assessed by Indiana University for students opting for college credit. There will be a fee from IU for digital learning tools, approx. \$80.

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Penn# 0765

ACP CALCULUS I Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Pre-Calculus Accelerated OR Honors AND meet IU admission requirements Weight: 5.0 DOE# 2527 IU-MATH M215 Calculus I College Credits: 5 Course Description:

This is a college Calculus course, which is comparable to the length and difficulty of a first semester college calculus course. It is an in-depth study of functions, limits, graphs, continuity, derivatives, and integrals of those functions and their applications. Students who apply, qualify and successfully complete the course will receive five Indiana University credits that may be transferable to other colleges. NOTE: In order to receive weighted credit on transcripts, students must successfully complete both semesters of the course and take the I.U. final exam. An hourly fee for 5 credits will be assessed by Indiana University for students opting for college credit.

Penn# 0769 IF We ACP CALCULUS II Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: ACP Calculus M215 OR AP® Calculus AB AND meet IU admission requirements Weight: 5.0 DOE# 2544 IU-MATH M216 Calculus II College Credits: 5 Course Description:

This course is an in-depth study of advanced techniques in integration, volumes of solids of revolution, sequences and series. Students

qualify who 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 а 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 It is required that each course. student has a graphing calculator. A student may gain college credit with a successful score on the AP® exam. NOTE: In order to receive weighted credit and the Advanced Placement® designation on transcripts, students must successfully complete both semesters of the Advanced Placement® course and take the Advanced Placement® examination in that course.



AP® CALCULUS BC 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 It is required that each vectors. 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 coefficients, constant 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 populations and about 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 It is recommended for statistics. iuniors 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 provides students course with additional the time to build necessary for high foundations school math courses. while having access concurrently 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 Т contains grade-level content, exclusively Algebra I Lab combines standards from high school courses with foundational standards from the middle grades. Algebra I Lab is designed as a support course for Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same academic year.

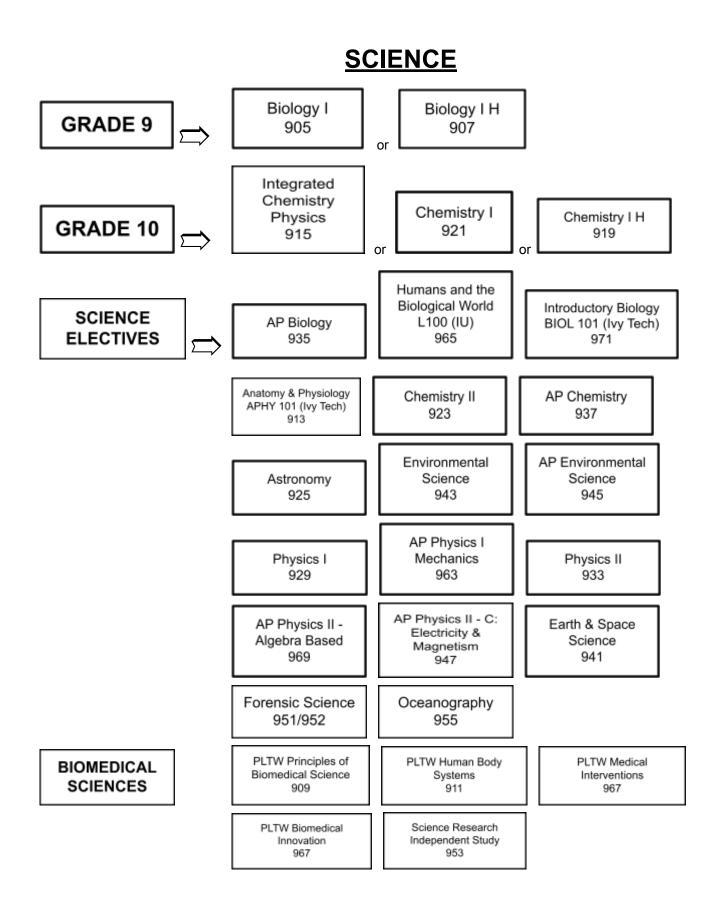
Penn# 0739 CCR BRIDGE: MATH Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Algebra II or Analytical Algebra II or Integrated Mathematics III Weight: 4.0 DOE# 2595 Course Description:

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

Counts as a Mathematics Course for all diplomas.

Penn# 1790 MEDICAL STATISTICS Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: AP® Statistics Weight: 4.5 DOE# 2543 Course Description:

This is a second year course that applies statistics into the field of science and medicine. The topics that are covered are regression analysis, ANOVA, nonparametric, Chi-Square. and statistical processes. In addition to these topics, students will learn specific concepts that pertain to medical research that will help any student wanting to study a science field or medicine. Students will also learn the basics of abnormal psychology, medical terminology, and read autobiographies that support specific illnesses that are studied during class. Students must have a graphing calculator for this class. In order to receive weighted credit for students this class. must successfully complete the STEM data analysis project given to them each semester.



😪 = Quantitative Reasoning Course Ψ = Indiana University Dual Credit 🛩 = Purdue University Dual Credit 🔖 = Ball State University Dual Credit

SCIENCE

Penn# 0935

A MC44

AP® BIOLOGY Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: Biology I and Chemistry I (or concurrent enrollment in Chemistry I) Weight: 5.0 DOE# 3020 (Quantitative Reasoning Course) Course Description:

Advanced Placement® Biology is a challenging college-level course follows which College Board Entrance Examination guidelines for Advanced Placement® Biology. The AP® Biology course and the AP® Examination Biology 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 Ψ 2005 ACP BIOLOGY

Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Biology I AND Chemistry I AND meet IU admission requirements Weight: 5.0 DOE# 3090 IU-BIOL-L100 Humans and the Biological World College Credits: 3 Course Description:

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

Penn# 0971 ¥ INTRODUCTORY BIOLOGY

Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: Passing score on the English and Math Knowledge Assessment, PSAT, or a cumulative GPA of 2.6 or higher. Weight: 4.5 DOE# 3026 DOE- Biology II Ivy Tech-BIOL 101 - Introductory Biology College Credit: 3 COURSE DESCRIPTION:

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

Penn# 0913 ANATOMY AND PHYSIOLOGY Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Biology I and Chemistry I Weight: 4.5 DOE# 5276 Ivy Tech-APHY 101 Anatomy and Physiology I College Credits: 3

Course Description:

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

in the laboratory dissections. Students pursuing a medical career in college are highly recommended to take two years of high school chemistry. Students can take anatomy and a second year of chemistry in the same year. This course fulfills a science requirement for all diplomas.

Penn# 0915 INTEGRATED CHEMISTRY-PHYSICS Semesters: 2 Credits: 2 Grade Level: 10 Prerequisite: Algebra I (or concurrent enrollment in Algebra I). Biology I is recommended. Weight: 4.0 DOE# 3108 (Quantitative Reasoning Course) Course Description:

Integrated Chemistry-Physics is a course focused on the following core topics: motion and energy of macroscopic objects: chemical, electrical, mechanical and nuclear properties of energy; matter; transport of energy; magnetism; production and energy its relationship to the environment and economy. Instruction will focus on developing student understanding that scientific knowledge is gained of from observation 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.

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CHEMISTRY I Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: Biology I and Algebra I Weight: 4.0 DOE# 3064 (Quantitative Reasoning Course) Course Description:

Penn# 0921

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, thinking and multiple critical 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 encouraged to strongly take Chemistry II during your junior or senior year. This course fulfills a science requirement for Core 40. Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0919 🛛 🔓

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

Penn# 0923 CHEMISTRY II Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Chemistry I and Algebra II Weight: 4.0 DOE# 3066 (Quantitative Reasoning Course)

Course Description:

Chemistry II expands and deepens the understanding of concepts studied in Chemistry I. Additional emphasis will be placed on molecular structure, thermodynamics. acid-base hydrolysis, theories, kinetics, equilibrium, and redox reactions. Experiments requiring quantitative calculations and formal written reports will be performed in the laboratory. It differs from AP® Chemistry in that not all AP® Chemistry topics will be studied, or will not be studied at the depth at which they would be assessed on the AP® exam. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors. Students taking regular Chemistry I are required to take Chemistry II before taking AP® Chemistry.

Penn# 0937

AP® CHEMISTRY

Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: Chemistry I and Pre-Calculus (or pre-Calc concurrently) Weight: 5.0 DOE# 3060 (Quantitative Reasoning Course) Course Description:

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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 keep a laboratory required to 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 comprehensive, а course is sequential. practical application course that utilizes the P-H-M Digital Video Theater (formerly the Planetarium) in the study of the: Celestial Sphere; Celestial Coordinates: Constellations; Solar System; Moon and Moon Phases; Eclipses; Sun as a star; Theories on the origin of our Solar System, Milky Way Galaxy, and Universe; Scale Models of: Earth-Sun, Solar System to our nearest star Alpha Centauri, and our Galaxy; Stellar Astronomy (all the things beyond the edge of our Solar System); Lives and Deaths of Stars; Spectroscopy; H&R Diagram; Cosmic Time Scale; Time

Travel (Relativity); Life in the universe; Interstellar Space Travel; and the History of Manned Space Flight. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0943 🛛 🗠

ENVIRONMENTAL SCIENCE Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: ICP OR Chemistry I Weight: 4.0 DOE# 3010 Course Description:

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

Penn# 0945 🛛 😣 📟

AP® ENVIRONMENTAL SCIENCE Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: Chemistry OR Earth/Space Science Weight: 5.0 DOE# 3012 (Quantitative Reasoning Course) Course Description:

The AP® Environmental Science course is a more advanced study of topics in environmental science. The goal of the AP® Environmental course to Science is 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 This course fulfills a reports. science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.



Penn# 0929

PHYSICS I Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE# 3084 (Quantitative Reasoning Course) Course Description:

Physics I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts help to students gain a three dimensional understanding of Physics topics. Disciplinary Core Ideas for this course include Forces and Interactions. Energy, Wave Electromagnetic Properties, and Radiation. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0963 🤅

AP® PHYSICS I – C: MECHANICS Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: Physics I AND Calculus I (or concurrent enrollment in Calculus I) Weight: 5.0 DOE# 3088 (Quantitative Reasoning Course) Course Description: Physics I AP® -C Mechanics is an

advanced and very rigorous first level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics, science, or engineering. This course is Calculus based and uses differential and integral calculus. This physics course utilizes guided inquiry and student-centered learning

foster techniques to the development of critical thinking skills. Students will be challenged with more complex problems in all topic areas, and be given opportunities to further develop creative problem solving skills, data analysis procedures, and experimental design techniques. Emphasis is on problem solving techniques, laboratory techniques, and applications of interactive software for data acquisition and processing. They will also develop skills in the application of interactive software and the use of state-of-the-art laboratory instruments and techniques. Topics include; Kinematics, Forces, Energy, Momentum, Rotational Motion. Oscillations, and Gravitation.

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



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PHYSICS II Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Physics I AND Pre-Calculus (or concurrent enrollment in Pre-calculus) Weight: 4.0 DOE# 3086 (Quantitative Reasoning Course) Course Description:

Physics II is an advanced level of physics designed particularly for students intending to pursue university studies in any of the fields of mathematics. science. or engineering. This course is the second half of the algebra based physics sequence. This physics course utilizes guided inquiry and student-centered learning techniques foster the to development of critical thinking skills. Students will be challenged with more complex problems in all and topic areas. be given opportunities to further develop creative problem solving skills, data procedures. analysis and experimental design techniques. Emphasis is on problem solving techniques, laboratory techniques, applications of interactive and 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.

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AP® PHYSICS I: ALGEBRA BASED 2 Semesters 2 Credits Grade Level: 10-12 Weight: 5.0 DOE# 3080 Prerequisites: Algebra II (Quantitative Reasoning Course) Course Description:

Penn# 0969

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

Penn# 0947



AP® PHYSICS II – C: ELECTRICITY & MAGNETISM Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: AP® Physics I OR Physics I with concurrent enrollment in Calculus Weight: 5.0 DOE# 3088 (Quantitative Reasoning Course) Course Description:

AP® E&M is an advanced level of physics designed particularly for students intending to pursue university studies in any of the fields science, mathematics. of or engineering. This course is Calculus based and а good understanding of differential, integral, and vector calculus is required. This physics course utilizes guided inquiry and

student-centered learning the techniques to foster 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, applications of interactive and 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 а laboratory-based course that integrates aspects of biology. chemistry and physics to interpret evidence physical 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 This course fulfills a profession. science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Penn# 0955 OCEANOGRAP

NCAA

OCEANOGRAPHY Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: ICP OR Chemistry I Weight: 4.0 DOE# 3092

Course Description:

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

Penn# 0953

SCIENCE RESEARCH INDEPENDENT STUDY Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: Recommendation from Science teacher AND Physics I (or concurrent enrollment in Physics I) Weight: 4.5 DOE# 3008 Course Description:

This course is designed to provide students with unique opportunities for independent, in-depth study of one specific scientific problem. Students will develop research skills and a familiarity with the laboratory procedures used in research. Students will be expected to complete a science project that will be exhibited in a science fair or comparable competition and/or end-of-course project such as a research paper and poster presentation of their findings. This course counts as a science course for Core - 40, Core-40 with Academic Honors and Core 40 with Technical Honors diplomas. This course may be taken two years in a row.

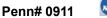
BIOMEDICAL SCIENCE

Biomedical Science Pathway:

Penn# 0909 PLTW PRINCIPLES OF BIOMEDICAL SCIENCES (PBS) (First level course for Biomedical Science Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Prerequisite: Biology I (or current enrollment in Biology I) Counts as 3rd science course Weight: 4.5 DOE# 5218 Course Description:

Principles of Biomedical Sciences is a hands-on project based Project Lead the Way (PLTW) course. Students investigate various health conditions including heart disease, diabetes. sickle-cell disease. hyper-cholesterolemia, and infectious diseases. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course is designed for 9th -12th grade students. College credit is offered if students obtain a satisfactory score on the EoC and a

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



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PLTW HUMAN BODY SYSTEMS (HBS)

(Second level course for Biomedical Science Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: PBS Counts as 3rd science course Weight: 4.5 DOE# 5216 Course Description:

The HBS course provides foundational knowledge and skills in anatomy and physiology, clinical medicine, and laboratory research. The course engages students in how this content can be applied to real-world situations, cases, and problems. This course is designed for 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) (Third level course for Biomedical Science Pathway- HBS prereq)

NC44

Science Pathway- HBS prereq) Semesters: 2 Credits: 2

Grade Level: 11-12 Prerequisites: HBS or Anatomy & Physiology Counts as 3rd science course Weight: 4.5 DOE# 5217 Course Description:

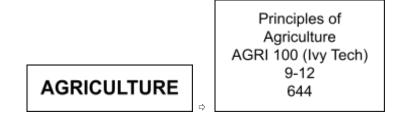
Medical Interventions is the third course in the PLTW Biomedical Sciences program. In this year long course, students investigate a variety of interventions involved in prevention. diagnosis and the treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for 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.



(Capstone course for Biomedical Science Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisites: MI Weight: 4.5 DOE# 5219 Course Description:

Biomedical Innovation is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 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 may include that representatives from the local and health business care community. This course fulfills a science requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

AGRICULTURE



AGRA-SCIENCE ANIMALS	Animal Science AGRI 103 (Ivy Tech) 10-12 643	Advanced Life Science: Animals AGRI 107 (Ivy Tech) 11-12 645
HORTICULTURE	Horticultural Science AGRI 116 (Ivy Tech) 10-12 659	Greenhouse & Soilless Production AGRI 164 (Ivy Tech) 11-12 651

Quantitative Reasoning Course Ψ = Indiana University Dual Credit
Indiana University Dual Credit
★ = Ivy Tech CC Dual Credit
■ Ball State University Dual Credit

AGRICULTURE

Penn# 0644 PRINCIPLES OF AGRICULTURE (First Level Course for All Agriculture Pathways) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.5 DOE# 7117 Ivy Tech-AGRI 100 - Intro to Agriculture College Credits: 3 Course Description:

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

AGRI-SCIENCE ANIMALS

Agri-Science Animals Pathway:

Penn# 0643 ANIMAL SCIENCE (Second Level Course for Agri-Science Animals Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Agriculture Weight: 4.5 DOE# 5008 Ivy Tech-AGRI 103 Animal Science College Credits: 3

Counts as 3rd science course Course Description:

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

Penn# 0645 ADVANCED LIFE SCIENCES: ANIMALS (Third Level Course for Agri-Science Animals Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Principles of Agriculture Weight: 4.5 DOE# 5070 Counts as 3rd science course Ivy Tech-AGRI 107 Advanced Animal Science College Credits: 3 (Quantitative Reasoning Course) **Course Description:**

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

HORTICULTURE

Horticulture Pathway:

Penn# 0659 🛛 👋

HORTICULTURAL SCIENCE (Second Level Course for Horticulture Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Agriculture Weight: 4.5 DOE# 5132 Ivy Tech-AGRI 116 Survey of Horticulture College Credits: 3 Course Description:

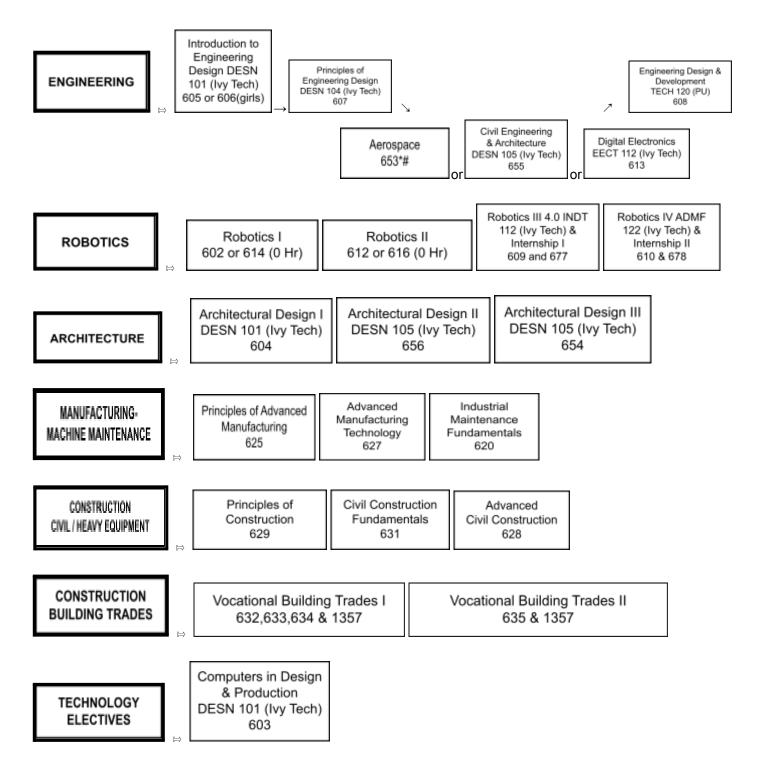
Horticulture Science is a two semester course that provides students with a background in the field of horticulture. Coursework includes hands-on activities that encourage students to investigate areas of horticulture as it relates to the biology and technology involved in the production, marketing of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

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

Penn# 0651 GREENHOUSE & SOILLESS PRODUCTION (Third Level Course for Horticulture Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Weight: 4.5 DOE# 7114 Ivy Tech-AGRI 164 Landscape Design I College Credits: 3 Course Description:

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

ENGINEERING & TECHNOLOGY



Quantitative Reasoning Course Ψ = Indiana University Dual Credit
Ivy Tech CC Dual Credit
■ Sall State University Dual Credit

ENGINEERING & TECH

ENGINEERING

Engineering Pathway:

Project Lead the Way (PLTW)

PLTW (Project Lead the Way) helps students develop the skills needed to succeed in our global economy. PLTW courses are aligned with State Standards for Math and Language Arts. Next English 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 NTRODUCTION TO ENGINEERING DESIGN (IED) (First Level Course for Engineering Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.5 DOE# 4802 Ivy Tech-DESN 101 Intro to Design Technology College Credits: 3 Course Description:

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

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

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

(IED) Introduction to Engineering Design is а fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. At the end of the course students will have the opportunity to obtain a certification as a Certified User in Autodesk Fusion 360.

Penn# 0607 ¥ PRINCIPLES OF ENGINEERING (POE)

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

Course Description:

Principles of Engineering (POE) is a course that focuses on the process of applying engineering. technological, scientific and principles in the mathematical design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, electrical and materials engineering. Students will engage in research, development, planning, design, production. and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed.

Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and projection systems in developing and presenting solutions to engineering problems.

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

Penn# 0653 AEROSPACE ENGINEERING (AE) (Third Level Course for Engineering Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Pre/Corequisite: POE Counts as 3rd science course Weight: 4.5 DOE# 5518 (Quantitative Reasoning Course) Course Description:

ignites Aerospace Engineering students' learning in the fundamentals of atmospheric and space flight. Aerospace of Engineering is one 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 by designing and testing life components related to flight such as an airfoil, propulsion systems, and a rocket. Thev learn orbital mechanics concepts and apply these by creating models using industry-standard software. Thev also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet,

including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

Penn# 0655 🛛 🔻 🔒

CIVIL ENGINEERING AND ARCHITECTURE (CEA)

(Third Level Course for Engineering Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Pre/Corequisite: POE Weight: 4.5 DOE# 5650 Ivy Tech-DESN 105 -Architectural Design I College Credits: 3 (Quantitative Reasoning Course) Course Description:

Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs (Revit) will allow students opportunities to design, simulate. and evaluate the buildings construction of 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 а review of regulatory procedures that would affect the project design.

Penn# 0613 ¥ DIGITAL ELECTRONICS (DE) (Third Level Course for Engineering Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Pre/Corequisite: POE Weight: 4.5 DOE# 5538 Ivy Tech-EECT 112 - Digital Fundamentals College Credits: 3 (Quantitative Reasoning Course) Course Description:

Digital Electronics is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches. calculators. digital cameras, and thousands of other devices. Instruction includes the application of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer that reflects software 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 management skills. time and teamwork skills.

Penn# 0608 🛛 🔊 😣

ENGINEERING DESIGN & DEVELOPMENT (EDD) (Capstone Course for Engineering Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Pre/Corequisite: Three PLTW Engineering courses Weight: 4.5 DOE# 5698

Purdue-TECH 12000 Design Thinking in Technology College Credits: 3 (Quantitative Reasoning Course) Course Description:

Engineering Design and Development is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to quide the team to reach a solution to the problems. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous pre-engineering courses. This course also engages students in critical thinking and problem-solving skills. time management and teamwork skills, a valuable set for students' future careers.

ROBOTICS

Industry 4.0 Pathway:

Penn# 0602 ROBOTICS I Principles of Industry 4.0 (First Level Course for Robotics Industry 4.0 Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 7220 Course Description:

Students can choose to take this course as a 0 hour class or a normal class. 0 hour class will meet outside the school day. Robotics I is designed for students to work together solving an engineering problem. Teams of students are responsible for designing, building, and programming their competition

robots. Competitions are held throughout Indiana and the nation. Students will learn and use the design process to guide their work in class. Families will be expected to attend informational meetings in the evenings. Many skills and processes are learned in Robotics I to build the individual towards an effective team member for the Robotics Classes (FRC 11th and 12th grade years). Students get to Design, build, and program robots, Apply real-world math and science concepts. Develop strategic problem solving, organizational, and team building skills, Compete and in Alliances cooperate at tournaments, Earn a place in the World Championships, Qualify for over 100 scholarships at colleges/universities *There will be evening and weekend commitments to participating in this class. Students will ride a school bus

competitions. Penn# 0612 ROBOTICS II Robotics Design & Innovation (Second Level Course for Robotics Industry 4.0 Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Robotics II Weight: 4.0 DOE# 4728 (Quantitative Reasoning Course) Course Description:

and stay overnight at certain

Students can choose to take this course as a 0 hour class or a normal class. 0 hour class will meet outside the school day. Robotics II is designed for students to work together solving an engineering problem. Teams of students are responsible for designing, building, and programming their competition Competitions are held robots. throughout Indiana and the nation. Students will learn and use the design process to guide their work in class. Families will be expected to attend informational meetings in the evenings. Many skills and processes are learned in Robotics Il 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 in cooperate Alliances at tournaments, Earn a place in the World Championships, Qualify for scholarships at over 100 colleges/universities

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

* 🔒 Penn# 0609 **ROBOTICS III Robotics Design & Innovation INDT 112** (Third Level Course for Robotics Industry 4.0 Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Robotics II Weight: 4.5 DOE# 4728 This course is weighted on a 4.5 scale if taken with Penn FIRST Robotics Internship I. College Credits: 3 (Quantitative Reasoning Course) **Course Description:** This course is designed to give

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 (for inspiration and the FIRST recognition of Science and Technology) Competition. Students will dedicate the entire year learning the necessary skills and processes needed to contribute to building Penn High School's FRC Robot, "The Black Knight!" Experiences such as 3D Modeling, 3D Printing, Machining, Welding, Wiring, Programming, Assembling, Controlling, and Driving are all topics of study. Students that successfully complete both classes Automation & Robotics and Penn FIRST Robotics Internship will receive a weighted grade. *Students should plan to take both Automation & Robotics as well as Penn FIRST Robotics Internship.

 🐥 😣 Penn# 0610 **ROBOTICS IV Robotics Design & Innovation ADMF 122** (Fourth Level Course for Robotics Industry 4.0 Pathway) Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Robotics III Weight: 4.5 DOE# 4728 This course is weighted on a 4.5 scale if taken with Penn FIRST Robotics Internship II. Ivy Tech- ADMF 122 Automation Mechatronics Electrical Systems College Credits: 3 (Quantitative Reasoning Course) **Course Description:**

This course is designed to give students an experience in the Design Process as it relates to building a competition robot. Since 1998 this class has participated in the FIRST (for inspiration and recognition of Science and Technology) Competition. Students will dedicate the entire year learning the necessary skills and processes needed to contribute to building Penn High School's FRC Robot, "The Black Knight!" Experiences such as 3D Modeling, 3D Printing, Machining, Welding, Wiring, Programming. Assembling. Controlling, and Driving are all topics of study. Students that successfully complete both classes Automation & Robotics and Penn FIRST Robotics Internship will receive a weighted grade. *Students should plan to take both Robotics IV as well as Penn FIRST Robotics Internship.

Penn# 0677

PENN FIRST ROBOTICS INTERNSHIP I (WBL) Semesters: 2 Credits: 2 Grade Level: 11-12 Weight: 4.5 DOE# 5974 This course is weighted on a 4.5 scale if taken with Robotics III. Course Description:

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

*Students should plan to take both Robotics III as well as Penn FIRST Robotics Internship I.

Penn# 0678

PENN FIRST ROBOTICS INTERNSHIP II (WBL) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Penn First Robotics Internship I Weight: 4.5 DOE# 5974 This course is weighted on a 4.5 scale if taken with Robotics IV. Course Description:

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

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

ARCHITECTURE

Design Technology Pathway:

Penn# 0604 🛛 👋

ARCHITECTURAL DESIGN I Intro to Engineering Design (First Level Course for Architecture- Design Technology Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12

Weight: 4.5 DOE# 4802 Ivy Tech-DESN 101 Intro to Design Technology College Credits: 3 Course Description:

Architectural Drafting and Design I gives students а 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 of interpretation construction documents. Methods of geometric three-dimensional construction. 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 This course also and drawing. 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, commands, paper editing and model space, inquiry commands, layers, plotting, text, and basic dimensioning.

Penn# 0656 ARCHITECTURAL DESIGN II (Second Level Course for Architecture- Design Technology Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisites: Architectural Design I Weight: 4.5 DOE# 7196

Ivy Tech-DESN 105 Architectural Design I College Credit: 3 Course Description:

Architectural Design II builds on the concepts of Architectural Design I and presents a history and survey of architecture with a focus on the creative design of buildings in a studio environment. This course site analysis, facilities covers space programming. 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 and strategies, а visual representation of the student's design process. This course will focus on advanced Computer Aided (CAD) techniques. Design lt includes an overview of modeling, graphical manipulation, part structuring, and modeling Various strategies. Architectural software packages and applications will be used.

* 0 Penn# 0654 ARCHITECTURAL DESIGN III **BIM Architecture** (Third Level Course for Architecture- Design Technology Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisites: Architectural Design II DOE# 7197 Weight: 4.5 Ivy Tech-DESN 105 Architectural Desian I College Credit: 3 (Quantitative Reasoning Course) **Course Description:**

Course Description: CEA Non PLTW introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, and evaluate the simulate. construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation. water and environmental resource, 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 Production is а course

Computers in Design and Production is a course that specializes in design using code and 3D modeling while addressing various topics in Engineering, Architecture, Electronics and Robotics. Students will use the design process and documentation process while producing hands-on projects.

MANUFACTURING

Industrial Technical Maintenance Pathway:

Penn# 0625 PRINCIPLES OF ADVANCED MANUFACTURING (First Level Course for Industrial

Technical Maintenance Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 7108 Course Description:

Advanced Manufacturing l is designed to provide students with a basic understanding of the precision used machining processes in industry. manufacturing. maintenance, and repair. The instructs students course in industrial safety, terminology, tools and machine tools, measurement and lavout. Students will become with the familiar setup and operation of power saws, drill presses, lathes, milling machines, welding grinders, and an CNC introduction to (computer controlled) machines.

Penn# 0627 ADVANCED MANUFACTURING TECHNOLOGY

(Second Level Course for Industrial Technical Maintenance Pathway)

Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Advanced Manufacturing Weight: 4.0 DOE# 7103 Course Description:

Advanced Manufacturing II is a more in-depth study of skills learned in Advanced Manufacturing I, with a stronger focus in CNC setup/operation/programming. Classroom activities will concentrate on precision set-up and inspection work as well as machine shop calculations. Students will develop skills in advanced machining and measuring parts.

Penn# 0620 INDUSTRIAL MAINTENANCE FUNDAMENTALS

(Third Level Course for Industrial Technical Maintenance Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Advanced Manufacturing Technology Weight: 4.0 DOE# 7104 Course Description:

Welding Technology I includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and Shielded Metal Arc welding. This course is designed for individuals who intend to make a career as a Welder. Technician, Sales. Designer, Researcher or Engineer. Emphasis is placed on safety at all times. OSHA standards and endorsed the guidelines bv American Welding Society (AWS) Instructional activities are used. emphasize properties of metals, safety issues, blueprint reading, electrical welding principles. 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 Core 40 the General. with Academic Honors and Core 40 with Technical Honors diplomas.

CONSTRUCTION

Civil Construction Pathway:

Penn# 0629

PRINCIPLES OF CONSTRUCTION (First Level Course for Civil Construction Pathway) Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 7130 Course Description:

Construction Trades I is an entry-level course that emphasizes the use of tools, materials, and techniques used in the construction industry. Students will learn how to safely operate various hand and power tools. Joinery and assembly methods will also be studied. Students will use these methods to produce a wide variety of projects.

Penn# 0631 CIVIL CONSTRUCTION FUNDAMENTALS (Second Level Course for Civil Construction Pathway) Semesters: 2 Credits: 2 Grade Level: 10-12 Prerequisite: Principles of Construction Weight: 4.0 DOE# 7121 Course Description:

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

Penn# 0628 ADVANCED CIVIL CONSTRUCTION (Third level course for Civil Construction Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Civil Construction Fundamentals Weight: 4.0 DOE# 7118 Course Description:

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

CONSTRUCTION-BUILDING TRADES

Construction Trades Pathway:

Penn# 0632, 0633 & 0634 (with 1357) BUILDING TRADES I (BT Principles, BT Carpentry, BT Framing & Finishing) (4 Blocks- 2 each day) (First, Second, and Third Level Courses for Construction Trades Pathway) Semesters: 2 Credits: 6 Grade Level: 11-12 Weight: 4.0 DOE# 7130, 7123 & 7122

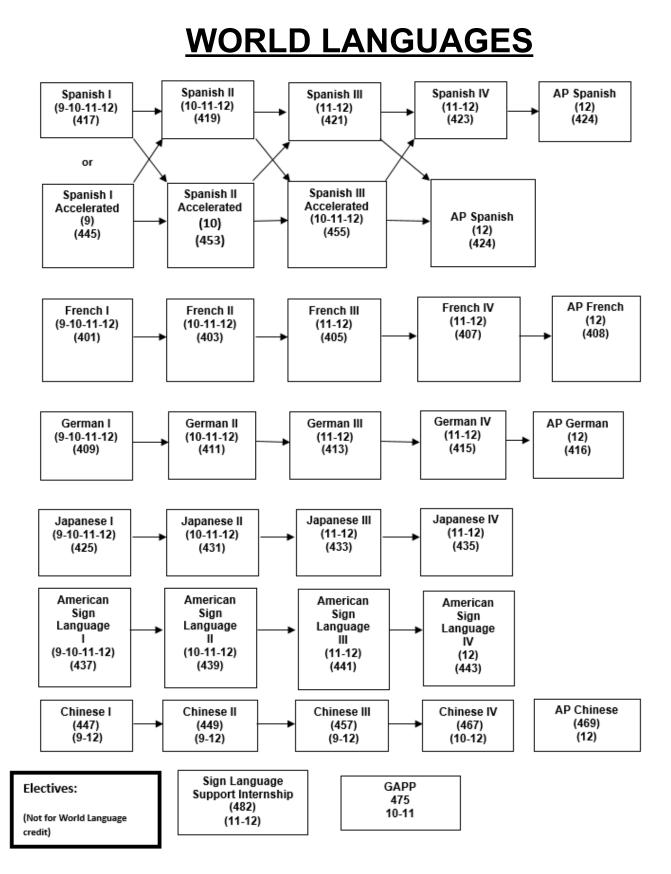
Course Description:

Students will spend 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) BUILDING TRADES II (BT Capstone) (4 Blocks- 2 each day) (Capstone for Construction Trades Pathway) Semesters: 2 Credits: 6 Grade Level: 12 Prerequisite: Building Trades I Weight: 4.0 DOE# 7242 (Quantitative Reasoning Course) Course Description:

Students will spend 1st and 2nd periods every day at the Building Trades site. Students will have the same opportunities that they had in Vocational Trades Building Students will be able to specialize in of specific area house а 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

With the exception of Spanish for Spanish Speakers, all World Language courses qualify for CORE 40 and Academic Honors Diploma. Students <u>may</u> qualify for Core 40 without world language; however, <u>many</u> colleges <u>require</u> 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 quided 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 to everyday pertaining 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 geographical features. major 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



NCAA

FRENCH III Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: French I and II Weight: 4.0 DOE# 2024 Course Description:

Level Ш French provides instruction enabling students to understand and appreciate other comparing cultures by 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 familv occasions, such as birthdays, weddings, funerals, and anniversaries



Penn# 0407

FRENCH IV Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: French I, II and III Weight: 4.5 DOE# 2026 Course Description:

Level IV French enables students to participate in classroom and extra-curricular activities related to the language studied, such as presentations to the student body and to parent groups and taking leadership roles in language clubs. Students must be willing to participate in conversations with native and advanced non-native speakers, either in their community or in the school. This course also enables students to respond to factual and interpretive questions, interact in complex social situations, and express opinions make and judgments, give presentations on cultural topics including: traditions. (1) (2) and historical 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 begin topic and. using the creatively language 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 а variety of specific circumstances which could include public meetings, attending concerts, and public transportation. using Students will need to take a National Exam for outside evaluation.

Penn# 0408 AP® FRENCH Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: French I, II and III Weight: 5.0 DOE# 2032 Course Description:

Advanced Placement® French enables students to participate in activities beyond the classroom that could include concerts, theatre performances. and community activities. Students are willing to participate in conversations with native speakers in the community and promote among their peers, and others, the benefits of foreign language study and the study of the cultures in which the language is spoken. In addition, students are able to initiate and participate in conversations on current or past events that are of significance in the foreign culture, develop and propose solutions to issues and problems that are of concern to members of their own culture and the foreign culture being studied, demonstrate an understanding of the principal elements of nonfiction, articles in newspapers, magazines, and e-mail on topics of current and historical importance to members of the culture, analyze the main plot, subplot, characters and their descriptions. roles. and significance in authentic literary

texts, create stories and poems, short plays, and skits based on personal experiences and exposure to themes, ideas, and perspectives from the foreign cultures and, summarize the content of an article intended for native speakers in order to discuss the topics in writing for speakers of the language. Additionally, students gain a general knowledge of the major literary and artistic movements within the cultures where the foreign language is spoken, become aware of the relationships, in these periods among the various art forms and, demonstrate near native behaviors, using the appropriate verbal and nonverbal cues in a variety of cultural contexts, that reflect both peer group and adult activities within the cultures studied.

Penn# 0409 GERMAN I

NCAA

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 and events, ask and routines answer simple questions and brief quided participate in 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, gestures and such as 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 courtesv 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 Additionally, students style. familiar with different become 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 Ш German provides instruction enabling students to understand and appreciate other by comparing social cultures behaviors and values of people using the languages being learned. Students must be willing to initiate participate in discussions and 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

NCAA

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

Penn# 0416

416 🗠

AP® GERMAN Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: German I, II and III

Weight: 5.0 DOE# 2052 Course Description:

Advanced Placement® German enables students to participate in activities beyond the classroom that could include concerts, theatre performances. and community activities. Students are willing to participate in conversations with native speakers in the community and promote among their peers, and others, the benefits of foreign language study and the study of the cultures in which the language is spoken. In addition, students will be able to initiate and participate in conversations on current or past events that are of significance in the foreign culture, develop and propose solutions to issues and problems that are of concern to members of their own culture and the foreign culture being studied, demonstrate an understanding of the principal elements of nonfiction, articles in newspapers, magazines, and email on topics of current and historical importance to members of the culture, analyze the main plot, subplot, characters and their descriptions, roles. and significance in authentic literary texts, create stories and poems, short plays, and skits based on personal experiences and exposure to themes, ideas, and perspectives from the foreign cultures and, summarize the content of an article intended for native speakers in order to discuss the topics in writing for speakers of the language. Additionally, students gain a general knowledge of the major literary and artistic movements within the cultures where the foreign language is spoken, become aware of the relationships, in these periods among the various art forms, and demonstrate near native behaviors. using the appropriate verbal and nonverbal cues in a variety of cultural contexts, that reflect both peer group and adult activities within the cultures studied .

Penn# 0475

GERMAN AMERICAN PARTNERSHIP PROGRAM (GAPP) Semesters: 1 (Summer) Credits: 1 Grade Level: 10-11 Prerequisites: German II AND application Counts as an Elective for all diplomas Weight: 4.0 DOE# 0514 Course Description:

3+ weeks to be determined approximately one year before travel. Course is limited to 18 participants. A course in humanities provides for the study of content drawn from history,

philosophy, literature, languages, the The Penn and arts. 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 students will gain that an understanding of the target language; develop insight into the of the culture nature 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:

Japanese Level 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 brief quided participate in 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, gestures and body such as about awareness of language. 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 participate activities. in conversations on a variety of topics, relate a simple narrative about a personal experience or interact in a variety of event,

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, notes. and phone personal 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 and, aware time guest of expectations, such as arriving for appointments and social engagements.

JAPANESE III Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Japanese II Weight: 4.0 DOE# 2064 Course Description:

Penn# 0433

NCAA

Level Ш Japanese provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the languages being learned. Students must be willing to initiate and participate in discussions concerning these cultures. In addition, students will be able to respond to factual and interpretive questions and interact in a variety of social situations, such as expressing regrets, condolences, and complaints, and using more than rote memory formula phrases, read for comprehension from a variety of authentic materials, such as advertisements in newspapers and magazines, and cartoons and personal correspondence, complete authentic forms and documents and take notes that require familiar vocabulary and structures, write paraphrases, summaries, and brief compositions.

Penn# 0435 JAPANESE IV Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Japanese I, II and III Weight: 4.5 DOE# 2066

Course Description:

Level IV Japanese enables students to participate in classroom and extracurricular activities related to the language studied. Students must be willing to participate in conversations with native and advanced non-native speakers, either in their community or in the school. This course also enables students to respond to factual and interpretive questions, interact in complex social situations, and express opinions and make write well organized iudaments. 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 а variety of specific circumstances which could include public meetings, attending concerts, and using public transportation. Students will need to take a National Exam for outside evaluation.

Penn# 0427 JAPANESE V Semesters: 2 Credits: 2 Grade Level: 12 Prerequisite: Japanese I, II, III and IV Weight: 4.0 DOE# 2068 Course Description: Level V Japanese is an advanced study of the Japanese language and culture.Some independent study may be required.

Penn# 0417



SPANISH I Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 2120 Course Description:

Level 1 Spanish introduces students to the Spanish language by practicing reading, writing. listening, and speaking skills on a daily basis. The goal of level 1 is to establish a solid foundation in the Spanish language. Students will learn strategies to become effective language learners. Within this context, the course provides students with opportunities to comprehend new language through dialogues, clip art, rhymes, visuals, and video, practice communication through use of technology, answer questions and express personal opinions both verbally and in writing, compare languages and cultures through grammar study, pronunciation, art, and readings in authentic settings, demonstrate all language skills through a variety of tasks and projects presented in the classroom.

Penn# 0445 SPANISH I ACCELERATED Semesters: 2 Credits: 2 Grade Level: 9 Weight: 4.0 DOE# 2120 Course Description:

Spanish I Accelerated is designed capable, to prepare highly 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 the in 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 We continue to practice the it. language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level II is to expand students' ability to talk about school activities, living in the city, one's daily routine, and other topics that the student might use in real life. As the library of useful vocabulary grows for the student, so does the ability to talk and write about more topics in a more authentic way. The course provides the students with opportunities to comprehend new language through dialogues, clip art, visuals, and video, practice communication through listening exercises, paired activities, and through the use of technology, answer questions and express personal opinions both verbally and in writing, compare languages and cultures through grammar study, pronunciation and cultural information. demonstrate all language skills through a variety of tasks and projects



SPANISH II ACCELERATED 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

* NCAA

Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Spanish I and II Weight: 4.5 DOE# 2124 SPAN 101 Spanish Level 1 & SPAN 102 Spanish Level 2 Course Description:

Level III takes what the student learned in Levels I and II and builds upon it. We continue to practice the language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level III is to expand students' ability to talk about different situations in life. The students explore the world of Spanish art, getting a job, going on vacation, and other authentic situations. As the library of useful 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 students provides the 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:

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accelerated This course is designed to continue to prepare the students for the AP Program in their senior year. More material will be covered than in the regular Spanish 3 program with the goal of further enhancing the development of the basic skills of listening, speaking, reading, and writing. Oral proficiency and sentence structure are emphasized. Students continue to learn about 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: 4.5 DOE# 2126 Course Description:

Level IV takes what the student learned in Levels I, II, and III and builds upon it. We continue to practice the language by reading, writing, listening, and speaking Spanish on a daily basis. The goal of Level IV, however, is to expand the students' ability to talk about cultural differences in the world. The students explore the history, art, political development, and cultural traditions of Spain, South America, and Central America. As the library of useful vocabulary grows for the student, so does the ability to talk and write about more topics in a more authentic way in Spanish. Sentence structure becomes even more sophisticated. The students talk about the various countries they study using the verb tenses in Spanish they are practicing or learning. The course provides students the with opportunities to comprehend new language through dialogues, clip art, visuals, and movies, practice communication through listening exercises, paired activities, the use of technology, as well as native speakers, answer questions and express personal opinions both verbally and in writing, compare languages and cultures through grammar study, pronunciation, art, and cultural information,

demonstrate all language skills through a variety of tasks and projects, write more in the target language, read more in the target language using both short novels and essays, describe different aspects of the culture using the foreign language. Students will need to take a National Exam for outside evaluation.

Penn # 0418 SPANISH FOR HERITAGE SPEAKERS I

Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 2190 **Course Description:**

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

Penn# 0424

NCAA **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 conversations. participate in 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

and descriptions, roles. significance in authentic literary texts, create stories and poems, short plays, and skits based on themes, ideas, and perspectives the foreign from 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.

NCAA Penn# 0437 **AMERICAN SIGN LANGUAGE I**

Semesters: 2 Credits: 2 Grade Level: 9-12 Weight: 4.0 DOE# 2156 **Course Description:**

American Sign Language introduces American Sign Language (ASL) and the Deaf community. lt 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

difference the between the psychological pathological and 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 Ш continues the focus on frequently used signs through а functional-notional approach and the cultural features of the Deaf community. Emphasis is placed on a more advanced level of learning receptive and expressive the 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 dialects of ASL various bv 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



NCAA

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:**

Sign American Language Ш 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 member(s) of with the Deaf Class will be community. 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 DOE# 2164 Weight: 4.0 **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.

NCA Penn# 0447

CHINESE I Semesters: 2 Credits: 2 Grade Level: 9-12 Weiaht: 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 exposure little 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 festivals, songs Chinese and poems, and engaging in some activities, games and cultural crafts. Computer-assisted technology and online course materials are an integral part of the instruction in this class.

NCA Penn# 0449 **CHINESE II** Semesters: 2 Credits: 2 Grade Level: 9-12 Prerequisites: Chinese I Weight: 4.0 DOE# 2002 **Course Description:**

The two-semester course is a continuation of Chinese I. The course aims at further developing fundamental language skills. All four skills (speaking, reading, listening and writing) will be emphasized and learned in a communicative context. Students are expected to actively participate in class by engaging in interactive activities and reading and writing practices. Both simplified and traditional Chinese character forms will be taught in class. Students will also develop understanding of the culture, philosophy and lifestyles of the Chinese speaking countries through learning of the various Chinese songs festivals, 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 continues course also 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 listenina oral and 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

ACAA

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 skills developed language in Chinese III. By increasing students' vocabulary and their knowledge of sentence patterns, the course focuses on speaking and writing in and well-formed coherent 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 from the assistance 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:

NC44

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: communicative Develop competence in listening, speaking, reading. and writina 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 The emphasis of the school. 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 of the students. interests 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 а student to experience all aspects of "real world" requirements for success and the program is a means of linking academic learning with career and community experiences. As part of this Work-Based Learning experience, students will complete a

number of components resulting in a portfolio.

Penn# 1603 PEER LEADERS (WBL) Semesters: 2 Credits: 2 Grade Level: 9-12 Prerequisite: Application, Interview with course instructor Weight: 4.0 IDOE: 5974 Course Description:

This course is designed to give high school students the opportunity to interact with and learn about people with disabilities. Students will provide 5 blocks over two weeks of in-class and/or community based instruction to students with moderate and severe disabilities under the personal supervision and direction of the course instructor or classroom teaching staff.

Penn# 1611

PEER LEADERS- YAP (WBL) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Peer Leaders- 1603 Weight: 4.0 IDOE: 5974 Course Description:

This course is designed to give high school students the opportunity to interact with people with disabilities and learn how to work with them. Students will provide 5 blocks over two weeks of in-class and/or community based instruction to students with moderate and severe disabilities in the Young Adult Program under the personal supervision and instruction of the YAP director. Penn# 0661 BBBS: 0662 WITH 1851 OR 1865 KINGSMEN TUTOR INTERNSHIP (WBL) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Application, interview, teacher recommendations, clean disciplinary and attendance record Weight: 4.0 IDOE: 5974

Course Description:

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

Penn# 1869 COMMUNICATION & PUBLIC RELATIONS INTERNSHIP I (WBL) Semesters: 2 Credits: 2 Grade Level: 10-12 Weight: 4.0 DOE: 4790 Course Description:

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

Penn# 1870 COMMUNICATION & PUBLIC RELATIONS INTERNSHIP II (WBL) Semesters: 2 Credits: 2

Grade Level: 11-12 Weight: 4.0 DOE: 5974 Course Description:

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

Penn# 1239-1246 WORK EXPERIENCE (WBL) Semesters: 2 Units: 1/block/semester Grade Level: 11-12 Prerequisites: Must be recommended in the Individual Education Plan. Weight: 4.0 IDOE: 5974 Course Description:

These courses are designed to give students in exceptional education an opportunity to gain work experience through in school or community jobs. This program provides the first opportunity for students to experience real world requirements for success in the workplace. Job coaching and frequent evaluations are used to teach students employability/workforce readiness skills (communication, organization, teamwork, punctuality, critical thinking/problem solving, social cues, adaptability and work ethic). Placement is made on the recommendation of the case conference committee.

Penn# 0161 MASS MEDIA PRODUCTION (Third Level Course for Radio & TV Pathway) Semesters: 2 Credits: 2 Grade Level: 11-12 Prerequisite: Audio & Video Production Essentials Weight: 4.5 DOE# 7307 or 5974 Course Description:

In this class, students may develop media literacy through instruction and practice, and they engage in all facets of production in the PNN television studio. Students may also а professional participate in 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, segments, music videos. news 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 the lays groundwork for further study in this field. 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 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 Some of the required to office. responsibilities, for all students, include completion of writing assignments. career research assignments and creating а 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 of school k-12) (Level and availability in and outside our corporation. Students will be placed through a screening and will be required to adhere to a contract of conduct.

Penn# 0677

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

Course Description:

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

marketing, fundraising, and community outreach. Students that successfully complete both classes *Automation & Robotics and Penn FIRST Robotics Internship* will receive a weighted grade. ***Students should plan to take**

both Automation & Robotics I as well as Penn FIRST Robotics Internship I.

Penn# 0678

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

Course Description:

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

both Automation & Robotics II as well as Penn FIRST Robotics Internship II.

PENN HIGH SCHOOL 4 YEAR WORKSHEET

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English 9 (Honors)	English 10 (Honors)	English 11 (Honors/AP)	English 12 (ACP/AP/Ivy Tech)
Math (Honors)	Math (Honors)	Math (Acc./Honors/AP/ACP/ Ivy Tech)	Math (ACP/AP/Ivy Tech)
Biology (Honors)	ICP or Chemistry (Honors)	Science	Science
Geography & History of the World	Health	US History (AP/ACP/Ivy Tech)	US Gov / Econ (AP/ACP/Ivy Tech)
(AP World History)	Elective		
Physical Education	Achievement Academy/Pathway Elective	Achievement Academy/Pathway Elective	Achievement Academy/Pathway Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Study Hall & Career Info & Exploration	Sophomore Connections	WBL/CBDC/Junior Connections	WBL/CBDC/Senior Connections

POST SECONDARY

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

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

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

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KINGSMAN SHIELD

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

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

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