

INSIGHT PA CYBER CHARTER SCHOOL



High School Course Description Guide

2024 - 2025

Table of Contents

| | |
|--|-------------|
| Vision & Introduction | Page 3 |
| High School Counselors | Page 3 |
| Graduation Requirements | Page 4 |
| High School Credits | Page 4 |
| Recommended Credits Per Grade Level | Page 5 |
| Credit Scale and Grade Level Determination | Page 5 |
| Pennsylvania Keystone Exams and ACT 158 | Page 6 |
| Graduation Plans | Pages 6-8 |
| Advanced Placement & Honors Course Overview | Page 9 |
| Project Based Learning Course Overview | Page 9 |
| Competency Based Accelerated Pathway | Page 9 |
| Special Education Program | Page 9 |
| National Honor Society | Page 10 |
| Honor Roll | Page 10 |
| Intervention Program | Page 10 |
| College Admissions Testing | Page 11 |
| Career and Technical Educational Pathways & Courses | Pages 12-22 |
| English Department Overview & Course Descriptions | Pages 23-25 |
| Mathematics Department Overview & Course Descriptions | Pages 26-30 |
| Science Department Overview & Course Descriptions | Pages 31-34 |
| Social Studies Department Overview & Course Descriptions | Pages 35-40 |
| Electives Department Overview & Course Descriptions | Pages 41-46 |
| Course Offering Lists by Department | Pages 47-51 |
| School Counselor Caseloads & Contact Information | Page 52 |

Insight Pa Cyber Charter Vision

To ignite a desire for learning in every student and nurture them to understand their goals and create a clear path to achieve them. The fundamental purpose of Insight PA Cyber Charter School is to enable, inspire, and prepare students to achieve the highest levels of academic standards so they will make a powerful impact in their communities.

Introduction

Insight PA High School has prepared the 2024-2025 course description guide to assist students and parents select courses which best fits the student's post-secondary goals and graduation plan. Please take time to review the course requirements, course progressions, and detailed course descriptions. This information is designed to help you make informed decisions for your course selections. It is important that students and parents consider post-secondary goals when deciding on coursework for the upcoming school year. You are also encouraged to reach out to your teachers or school counselor with any course selection questions.

High School Counselors

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Insight PA Graduation Requirements

Minimum Credits Required

| Subject Area | Credits Required |
|-----------------------------|------------------|
| English | 4 |
| Math | 3 |
| Science | 3 |
| Social Studies | 3 |
| Humanities/World Language | 2 |
| Health & Physical Education | 1 |
| Post-Secondary Exploration | 1 |
| Electives | 5 |
| TOTAL | 22 |

High School Credits

Credits in high school document that students have met the academic requirements of a course; credits are awarded upon course completion. Most classes that are held for an entire school year are worth 1 credit, while classes that are only held for one semester are generally worth 0.5 credits.

Recommended Credits Per Grade Level

| 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|--------------------------------|---------------------------------------|---------------------------------|--|
| English – 1 credit | English – 1 credit | English – 1 credit | English – 1 credit |
| Math – 1 credit | Math – 1 credit | Math – 1 credit | Electives – 4 credits We recommend students complete a 4 th year of Math, Social Studies and Science as elective courses to fulfill potential post- secondary goals. |
| Science – 1 credit | Science – 1 credit | Science – 1 credit | |
| Social Studies – 1 credit | Social Studies – 1 credit | Social Studies – 1 credit | |
| Humanities/Electives –1 credit | Humanities/Electives –1 credit | Humanities/Electives – 1 credit | |
| Health/PE – 1 credit | Post-Secondary Exploration - 1 credit | | |
| 6 credits | 6 credits | 5 credits | 5 credits |

Credit Scale and Grade Level Determination

At Insight PA, grade level is determined by the number of credits a student has earned. Below is the credit scale used to determine grade level. It is important to recognize that at the high school level, it is credits, not grade level, that determine when a student graduates.

| | |
|------------------------------|---------------------------|
| 9th Grade | 0 - 4.99 Credits |
| 10th Grade | 5 – 10.99 Credits |
| 11th Grade | 11 – 15.99 Credits |
| 12th Grade | 16 – 22 Credits |

Pennsylvania Keystone Exams and ACT 158

The Every Student Succeeds Act (ESSA) was signed by President Obama on December 10, 2015. ESSA includes provisions that will help to ensure success for students and schools. More information about ESSA can be found [here](#).

In Pennsylvania, the Keystone Exams meet the federal accountability criteria of ESSA for the high school level. The Keystone Exams are end-of-course assessments designed to evaluate proficiency in academic content. Students must demonstrate proficiency on the Algebra 1, Literature, and Biology Keystone Exams to graduate.

Effective with the graduating class of 2023, [Act 158](#) provides students the option to demonstrate postsecondary preparedness through one of four additional pathways that more fully illustrate college, career, and community readiness. However, Keystone Exams will continue as the statewide assessment Pennsylvania uses to comply with federal accountability requirements and all students are required to take them. They also remain the most efficient and direct way for students to meet the graduation requirements set forth in the federal ESSA.

To assist students in achieving one of the mandatory state graduation pathways, all students will be enrolled in a Post-Secondary Preparation course in their 11th grade year as part of their Insight PA graduation requirements.

POST-SECONDARY PREPARATION

Post Secondary Preparation aims to equip students with the knowledge and skills needed to make informed decisions about their academic and career paths. Through interactive discussions, practical exercises, and real-world scenarios, students will emerge from Post Secondary Preparation with the confidence and competence to thrive in their postsecondary endeavors. Required activities include service learning projects of 10 hours minimum, OSHA-10 General Industry certification, and career lessons in Smart Futures. **This course is pass/fail and a required semester course for all 11th graders.**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

Graduation Plans

All Insight PA students will have a graduation plan created for them by their high school counselor. The graduation plan is a road map that shows your path towards graduation. Your graduation plan will allow you to monitor and plan for your courses and credits to complete your graduation requirements and receive your high school diploma.

How to access your Graduation Plan

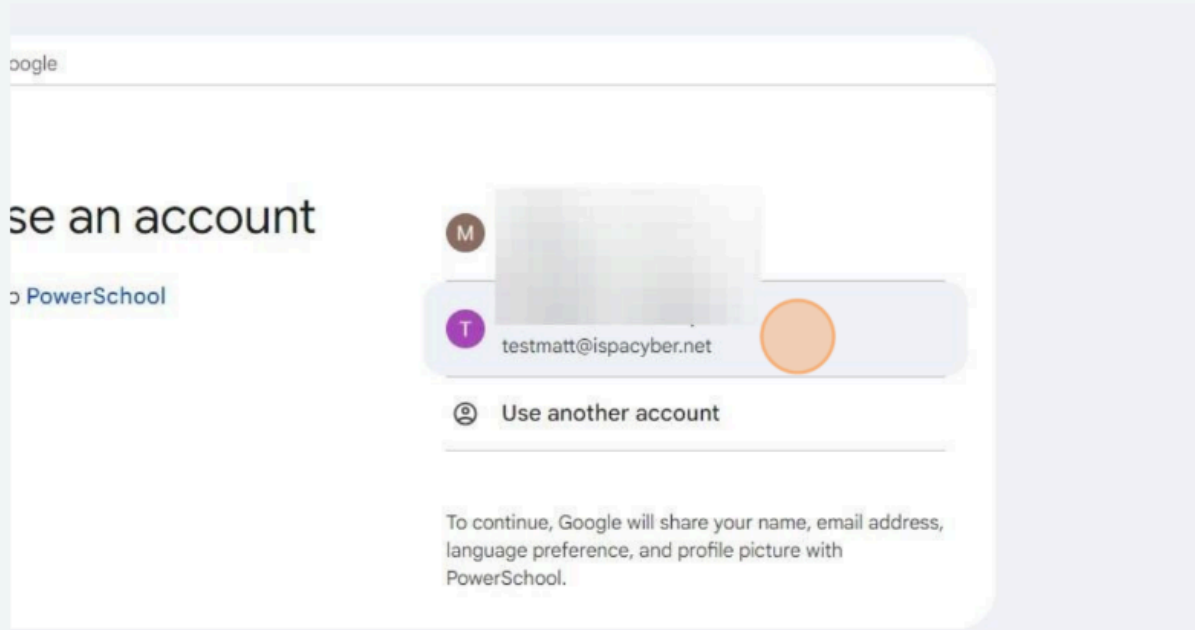
Your graduation plan can be accessed directly through PowerSchool. Keep in mind that your graduation plan will change based on adding or dropping courses or course failures. Please contact your school counselor if you need assistance understanding your graduation plan or if you believe there is any incorrect or missing information.

[How to Access Graduation Plan in Powerschool](#)

(Visual steps can be found on the following pages)

1 Navigate to <https://insightpa.schoology.com>

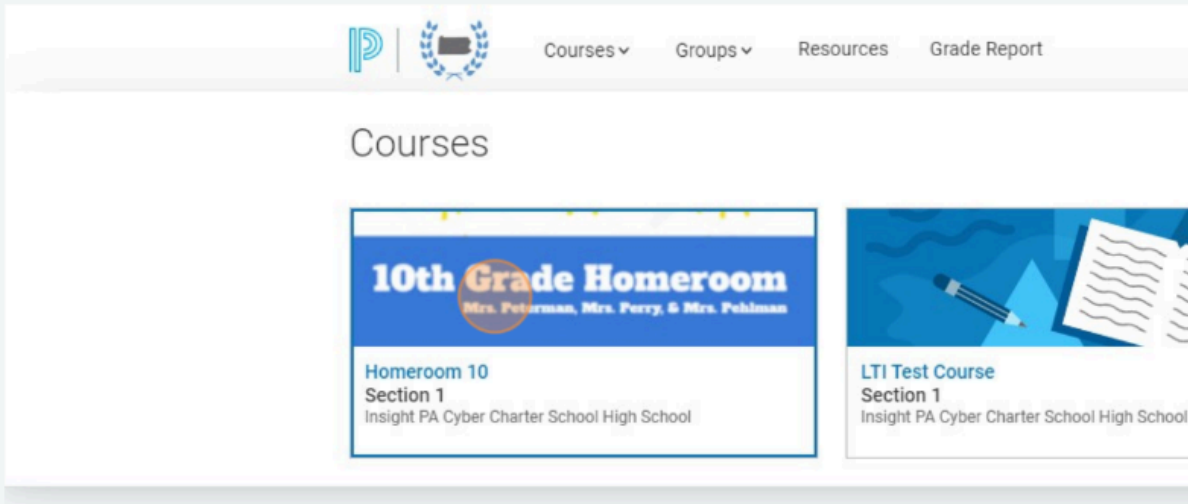
2 Click your '@ispacyber.net' account



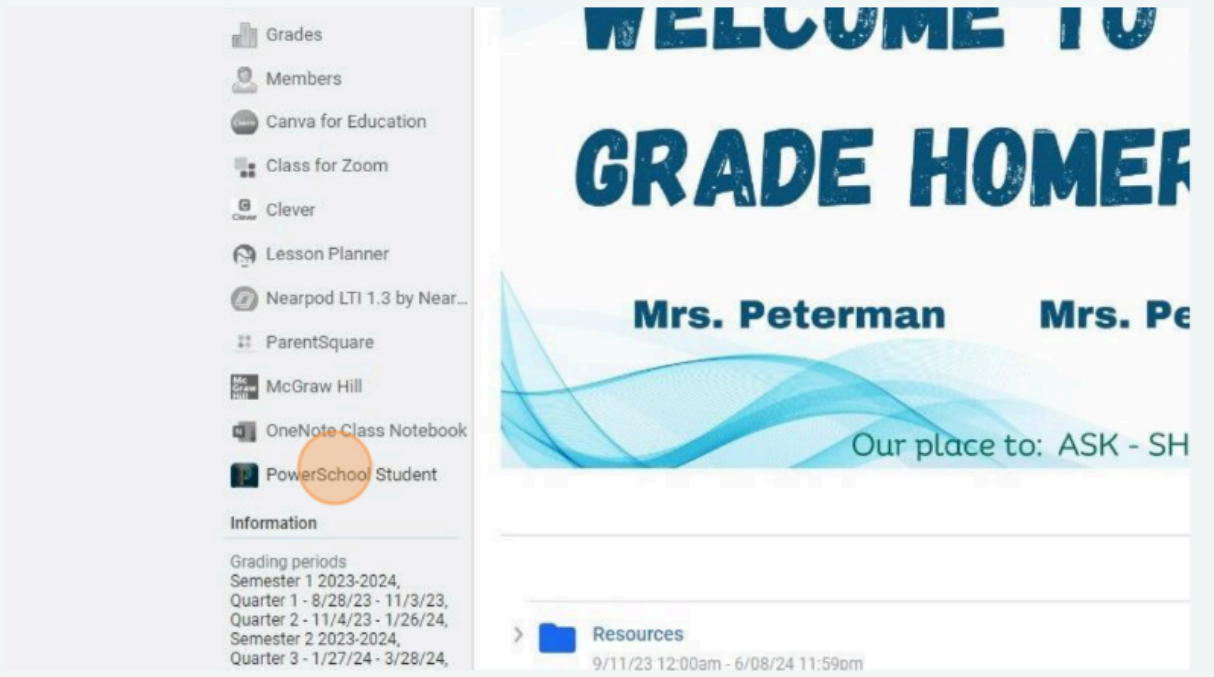
3 Click "Courses"



4 Select any course.



5 Click "PowerSchool Student"



Advanced Placement Courses

Insight PA offers advanced placement courses (AP) courses in each subject area. Taking an AP course in high school could give you an advantage in college. AP courses can possibly earn you college credit or allow you to skip college introductory level courses. AP courses also stand out to colleges during the college application process. AP courses at Insight PA have specific academic requirements. For more information, please see the course descriptions.

Honors Courses

Honors courses are available in Math, Science, Social Studies, and English. These courses are very rigorous and should only be taken with careful consideration. You will have the opportunity to request an honors course during course selection. Teacher approval, grades and test scores will all be considered when placing a student in honors courses.

Project-Based Learning Courses

Project-based learning courses are designed to give students the opportunity to actively learn and master course content through the completion of “real-world” projects. This model is intended to help develop the skills students will need to be effective as they pursue their postsecondary and professional goals. These courses require high student engagement and students are expected to collaborate with their classmates to complete course projects. Our teachers have been trained in PBL and are available to work with each student and their learning coach to ensure student success; however only students comfortable completing project-based work should register for these classes.

Competency Based Accelerated Pathway

In an effort to ensure that high school students earn the necessary credits to meet graduation requirements, Insight PA offers accelerated courses to students who have been unsuccessful in previous academic courses. The accelerated course program is primarily completed asynchronously and requires students to work independently with regularly scheduled times for teacher support, planning, and guidance. By utilizing a mastery-based approach, students can demonstrate the requisite levels of achievement in the courses they had previously been unable to complete. Credit-deficient students will be scheduled for accelerated courses, in addition to their regular course load, by their school counselor when appropriate to help them stay on track towards graduation.

Special Education Program

Core courses for students with Individualized Education Plans (IEPs) will be selected based on grade level requirements, student specific academic needs and post-secondary goals. Students will meet and work with their school counselor(s) and transition coordinator(s) to review and select electives. Outside of core courses and electives, students will also be assigned to resource rooms, to work directly with their case manager and attend a Transition Skills class, to work towards post-secondary goals. Please contact your special education case manager if you have any questions or concerns about your course placement for next school year.

National Honor Society

Insight PA Cyber Charter High School initiated its Chapter of the National Honor Society, for students in grades 10-12 (rising 9th, 10th, and 11th graders) in March 2021. All students are required to hold a 3.3 GPA for NHS while working in grade level courses to receive an invitation to apply. Acceptance is based on a written Candidate Form consisting of questions and an essay which clearly demonstrates a strong dedication to community service, excellent leadership skills, and a solid ethical foundation for each student. Two teacher recommendations will also be required in the application process. If accepted, there will be additional requirements to maintain membership.

Membership in the NHS is one of the highest honors that can be awarded to a student. Our chapter strives to give practical meaning to the Society's ideals of scholarship, leadership, service, citizenship, and character. These five ideals will be considered as the basis for selection as well as a fundamental part of our chapter activities. No student is inducted simply because of a high academic average.

Honor Roll

The Insight PA Honor Roll serves to recognize students who have achieved outstanding grades and to acknowledge their scholastic efforts. Honor Roll is determined at the end of each grading quarter. Students must receive grades of A's and/or B's in all of their courses to be listed on the Honor Roll.

Intervention Program

In this recommendation only program, students receive remediation in skills needed to best support growth in core classes. Throughout the course, students participate in small groups or one on one support. In addition to teacher intervention, the students also will have the opportunity to work in adaptive intervention programs. Recommendation for the Intervention Program is based on assessment data.

College Admissions Testing

College admissions testing measures educational development and gathers a student's track to succeed in college. More information on specific tests is available at the college admissions testing websites. A student or learning coach may also reach out to their assigned school counselor for more information. Please note that the student pays all test fees. Some students may be eligible for a discounted rate.

| PSAT/NMSQT The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test | |
|--|---|
| Duration | Approximately 3 ½ hours |
| Taken By | Optional – Sophomores & Juniors |
| Website | https://collegereadiness.collegeboard.org/psat-nmsqt-psat-10 |
| Purpose | To measure educational development in three areas and may determine eligibility for scholarships |
| ACT The American College Testing Program | |
| Duration | Approximately 4 hours |
| Taken By | Juniors & Seniors |
| Website | www.act.org |
| Purpose | College readiness exam used by most colleges for admissions |
| SAT Scholastic Aptitude Test | |
| Duration | Approximately 4 ½ hours |
| Taken By | Juniors & Seniors |
| Website | https://collegereadiness.collegeboard.org/sat |
| Purpose | College readiness exam used by most colleges for admissions |

CAREER AND TECHNICAL EDUCATION

Our Career and Technical Education (CTE) program provides an engaging, academically rigorous, and career-focused coursework through programs of study (POS) in a variety of content areas. This personalized education provides a roadmap for students to navigate educational options and prepare them to successfully transition into post-secondary education, careers, or both. In addition to CTE courses, students will gain real-world experience, employability skills, and have the opportunity to compete in Career and Technical Student Organizations (CTSOs) and earn free college credits in specific courses. Career pathways are designed to give students real-world experience while identifying the Classification of Instructional Programs (CIP Codes) relevant to the programs of study.

CTE Programs of Study are:

1. **Business Career Preparation**
2. **Healthcare Professions**
3. **Information Technology**
4. **Education & Training (new)**

Our CTE courses are available to all high school students and provide an excellent opportunity to explore various career fields and areas of study. If you are interested in participating in a CTE pathway or would like to select a CTE course as an elective, you will have the opportunity to indicate this on your course selection assignment. Please read below for more details on these career courses.

Career Cluster, CIP Codes, and Pathway Course Progressions

| Career Cluster | Business Management, Marketing Sales & Service | Information Technology | Health Science | Human Resources |
|----------------|--|--|--|---|
| Pathway | Business Career Preparation | Information Technology | Healthcare Professions | Education & Training |
| CIP Code(s) | CIP Codes 52.002, 52.0701, 52.1801 | CIP Codes 15.1202, 11.0201, 11.0801 | CIP Codes 51.0801, 51.0899 | CIP Code 13.0101 |
| Year 1 | Introduction to Business Business Ethics Business Communications <i>(All semester courses)</i> Microsoft Applications <i>(year-long)</i> <i>(Any course can be taken)</i> | Introduction to Programming <i>(semester)</i> Python Programming <i>(year-long)</i> Computer Science Explorations <i>(year-long)</i> Web Page Design <i>(year-long)</i> | Introduction to Healthcare Occupations Medical Terminology 1 Medical Terminology 2 <i>(All semester courses)</i> | Introduction to Lesson Planning Fundamentals to Teaching Profession <i>(All semester courses)</i> |
| Year 2 | Accounting 1 Marketing 1 Entrepreneurship <i>(Any year 1 course can be taken. All semester courses)</i> | Python Programming <i>(year-long)</i> Data Science <i>(semester)</i> Artificial Intelligence <i>(semester)</i> <i>(Any year 1 course can be taken)</i> | Nursing Assistant 1 Nursing Assistant 2 Workforce Healthcare Preparation <i>(Any year 1 course can be taken. All semester courses)</i> | Understanding Child Development <i>(semester course)</i> |
| Year 3 | Accounting 2 (college credit) Marketing 2 (college credit) Personal Finance (all 11th grade) <i>(All semester courses)</i> | IT Fundamentals Pro Cybersecurity <i>(All courses are year-long)</i> | Pharmacy Technician <i>(year-long)</i> Medical Billing Specialist <i>(year-long)</i> Workforce Healthcare Preparation <i>(semester)</i> <i>(Any year 1 or 2 courses can be taken)</i> | Additional courses coming in 2025-2026 School Year |
| Year 4 | Work Experience <i>(semester course)</i> Diversified Occupation <i>(year-long)</i> | Work Experience <i>(semester course)</i> Diversified Occupation <i>(year-long)</i> | Work Experience <i>(semester course)</i> Diversified Occupation <i>(year-long)</i> | Work Experience <i>(semester course)</i> Diversified Occupation <i>(year-long)</i> |

Information Technology Course Descriptions

This pathway explores the occupations and educational opportunities within computer databases, web page design, programming, and cybersecurity.

PYTHON PROGRAMMING

Python Programming introduces students to the fundamentals of computer programming, with an emphasis on helping students develop logical thinking and problem-solving skills. Students begin by learning to design, code, and test their programs while applying mathematical concepts, then move to more advanced programming concepts and learn to create more powerful programs using functions, strings, data structures, file i/o operations, and objects. This is a year-long course in CodeHS curriculum, with a Python industry certification offered through Certiport.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

DATA SCIENCE

Industries of all types are hiring data scientists to analyze and highlight the hidden patterns in data. This course equips students with the essential skills of a data scientist which include data collection, cleanup, transformation, analysis, and visualization. Students will write algorithms, tell data stories, and build statistical models using Python libraries. They will use the same tools that data scientists use to draw meaningful insights and solve organizational problems. This is a semester-long course in CodeHS curriculum.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Python or Computer Science

ARTIFICIAL INTELLIGENCE

The Artificial Intelligence course teaches students important programming concepts that enable the use of Artificial Intelligence in computer science and society at large. Students will learn how to incorporate basic Artificial Intelligence algorithms in their own work, and consider the social and ethical implications of how Artificial Intelligence is used, and how it plans to be used. Students will develop a series of projects that illustrate the variety of ways Artificial Intelligence can be used to optimize and predict information and processes. This is a semester-long course in CodeHS curriculum.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Python

CYBERSECURITY

This is a foundational course that provides engaging content and hands-on, experiential training and certification preparation on the latest security tools and techniques. Designed to equip students with essential knowledge and skills, this course serves as a springboard for aspiring security specialists and lays the groundwork for advanced career pathways in cybersecurity. This is a year-long course in TestOut curriculum. This is a Tier 3 Course with rigor and high level learning.

***10th, 11th, 12th Grade Course**

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

COMPUTER SCIENCE EXPLORATIONS

The Computer Science Explorations course offers a foundational introduction to the field of Computer Science. Throughout the course, students will delve into key topics including cybersecurity and digital citizenship, programming fundamentals, networking, internet essentials, and computational thinking. Through a series of engaging challenges and lessons, students will develop a fundamental understanding of various concepts within computer science. This is a year-long course in CodeHS curriculum.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

INTRODUCTION TO PROGRAMMING

This course serves as a gateway for students to explore the captivating universe of coding and computational thinking. It provides a genuine introduction to grasp the fundamentals of programming and comprehend their practical applications in the real world. By engaging in simple coding exercises and entertaining activities, students will depart from this course equipped with a foundational understanding of programming concepts. This is a year-long course in CodeHS curriculum

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

WEB PAGE DESIGN

The course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites. Students will learn the foundations of user interface design, rapid prototyping and user testing, and will work together to create professional, mobile responsive websites. This is a year-long course in CodeHS curriculum with HTML industry certification from Certiport.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

IT FUNDAMENTALS PRO

This course covers a wide range of topics including computer hardware and software, operating systems, networking fundamentals, cybersecurity, troubleshooting methodologies, and IT ethics. Leveraging the TestOut LabSim simulation environment, students will engage in hands-on learning experiences that mirror real-world IT scenarios, allowing them to apply theoretical knowledge in practical contexts. This is a year-long course with curriculum in TestOut. This is a Tier 3 Course with rigor and high level learning.

***10th, 11th, 12th Grade Course**

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

Education and Training Course Descriptions

This is a pathway that will provide a foundation into the teaching profession by developing knowledge and skills in the field with community impact.

FUNDAMENTALS TO TEACHING PROFESSION

Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

INTRODUCTION TO LESSON PLANNING

Educational Methodology courses prepare students to teach and guide others. These courses typically provide opportunities for students to develop their own teaching objectives, to design lesson plans, and to experience teaching in a controlled environment. Students examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

UNDERSTANDING CHILD DEVELOPMENT

Child Development courses provide students with knowledge about the physical, mental, emotional, social, and moral growth and development of children from conception to preschool age, emphasizing the application of this knowledge in child care settings and/or home environments. Brain development and current developmental research are addressed. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children.

Course Length: One semester; only offered Spring Semester

Credit: 0.5 credit

Prerequisites: Fundamentals to Teaching Profession

Healthcare Professions Course Descriptions

This pathway offers a range of career exploration opportunities from entry-level to professional careers in healthcare. Focuses include nursing assistant training, pharmacy technician, and medical billing.

INTRODUCTION TO HEALTH OCCUPATIONS

Do you know you want to do something in the medical field, but not sure what that is? In this course we will learn about and have access to 75 different healthcare careers. For each career, we will learn about the education requirements, what the job entails, the demand in the workforce, as well as how much you could make within that career. This is a semester long course (previously called Health Professions Pathway)

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

MEDICAL TERMINOLOGY 1

This course is a semester course, offered in the fall semester, that simplifies the process of memorizing complex medical terminology by focusing on the important word parts— common prefixes, suffixes, and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information: an overview of the body system's structures and functions, common diseases and disorders, diagnostic tests, and treatment procedures. Body systems include muscular, skeletal, integumentary, cardiovascular, pulmonary, and gastrointestinal systems. This is a semester course.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

MEDICAL TERMINOLOGY 2

This is a spring semester course that follows Medical Terminology 1 that simplifies the process of memorizing complex medical terminology by focusing on the important word parts— common prefixes, suffixes, and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information: an overview of the body system's structures and functions, common diseases and disorders, diagnostic tests, and treatment procedures. Body systems include endocrine, urinary, male and female reproductive systems, special senses, as well as discuss mental health and dental specialties. This is a semester course.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

HEALTHCARE WORKFORCE PREP

In this preparatory class, the student will work to complete multiple certifications within the healthcare field. These include CPR certification, first aid, AED training, bloodborne pathogens, OSHA for healthcare, Mandated Reporter, HIPAA, and Stop the Bleed. Students will build a resume as well as work on interviewing skills to prepare for the workforce. This is a semester course.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Introduction to Health Occupations

MEDICAL BILLING SPECIALIST

Entering into medical billing online training is a great entry-level opportunity for someone with a knack for data entry and a detail-oriented personality. Insurance and Billing, and Coding Essentials will immerse you in the world of medical billing and prepare you with the knowledge of diagnosis coding, procedure coding, reimbursement processes, and understanding insurance companies. After completion of our medical billing and coding online course, you'll be prepared to take the Medical Coder & Biller Certification (MCBC) exam, authorized through the American Medical Certification Association (AMCA). This is a year-long course.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Medical Terminology 1 and 2

NURSING ASSISTANT 1

This course is a Project Based Learning Course (PBL). If you ever wanted a career that is centered around the care of others and that directly impacts the most vulnerable populations, then it's time to explore what it means to be a Nursing Assistant. This role can be the first step on your nursing career ladder or into other healthcare positions. Learn career options, ethical and legal responsibilities,

anatomy and physiology, patient care, and safety. Discover what it takes to start your journey into this highly needed field. Students need to pass to progress into Nursing Assistant 2.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Medical Terminology 1 and 2

NURSING ASSISTANT 2

This course is a Project Based Learning course (PBL). As a Nursing Assistant, you are heavily involved in the care of your patients. But what does a typical day look like? How do you care for your patients during your shift? From hospital settings to home health care, from pre- and postoperative to rehabilitation. Discover how best to communicate and work with your team to ensure a safe environment, prevent and control infectious diseases, advocate for your patient's rights, and provide appropriate care – even for the most complex patient needs. Students who have good attendance and achieve an acceptable grade will qualify for ISPA to pay for the hands on portion of the certification requirement to become a CNA at a local center. ISPA will also pay for the certification exam with successful completion of the courses. ISPA does not provide transportation.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Nursing Assistant 1

PHARMACY TECHNICIAN

This is a full year course with an A and B side to the exam preparation that gives students the knowledge and skills needed to work with a licensed pharmacist in a variety of clinical and retail settings. Students explore medical and pharmaceutical terminology, pharmaceutical calculations, pharmaceutical techniques, sterile compounding, pharmacy record keeping, and pharmacy law and ethics. Students also examine all of the essential medical topics such as body systems, common diseases and conditions, microbiology, and medication errors. This course prepares students for the National Health career Association's Ex CPT exam (Certification of Pharmacy Technicians). ISPA will pay for the certification exam if students have good attendance and an acceptable grade. This is a year-long course.

***11th and 12th grade level course**

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Medical Terminology 1 and 2 and Algebra 1 or equivalent

Business Management Course Descriptions

This pathway prepares students for careers in business while gaining essential skills necessary to compete in the competitive job market. It involves 5 areas of focus: business, marketing, accounting, personal finance, and entrepreneurship.

INTRODUCTION TO BUSINESS

Introduction to Business is a project-based learning class where students will learn about the fundamentals of business. Students will study the concepts of marketing, financial management, human resource management, in addition to other business related functions. Students will primarily learn through a coffee shop simulation where they are faced with real-world business scenarios such as hiring staff, purchasing equipment and supplies, handling customer complaints, and so much more! This one semester course gives students the opportunity to own and operate a business without the risk.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

BUSINESS ETHICS

This is a principles-based ethics course introducing students to key leadership and ethical knowledge and skills. Throughout the course, students apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. Topics addressed include integrity, trust, accountability, transparency, fairness, respect, rule of law, viability, and much more. This is a semester-long course utilizing ASK Institute curriculum with industry certification.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

MARKETING 1

This is a Project Based Learning course (PBL) where students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, and the importance of pricing, promotion, and placement when introducing products in the market.

***10th, 11th, 12th grade level course**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

MARKETING 2

This is a one semester, College in the High School, course taught by Insight PA instructors utilizing Robert Morris University curriculum to offer dual credit for students. This course is an introductory study of the marketing discipline as applied to an ever changing global commerce landscape. The marketing environment, both domestic and international, is examined. The primary focus is on the marketing mix, promotional mix, and the characteristics and the product-life cycle. Current issues and concepts such as international marketing, market-place diversity, added-value, customer service, and the role of total quality management are an integral part of course content and interactive learning activities. Students taking this course will have the opportunity to earn an industry recognized certification in Fundamental Marketing Concepts.

11th or 12th grade level course

Course Length: One semester

Credit: 0.5 credit

College Credit: 3 credits

Prerequisites: Marketing 1

BUSINESS COMMUNICATIONS

The Business Communication course provides students with communication principles, concepts, and techniques which are essential components for effective organizational behavior in oral, written, and nonverbal communication situations. Communication strategies utilizing principles of psychology and professionalism will be emphasized. Students will utilize problem solving skills which can be transferred to work after high school. This is a semester course with curriculum in Certiport with the Communication Skills for Business/Professional Communication industry certification.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

ENTREPRENEURSHIP

In this semester-long introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money making business or create a

non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to produce new business ideas, attract investors, market their business, and manage expenses.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

ACCOUNTING 1

Accounting 1 is a semester-long course recommended for all students planning to major in Business Administration in college, and any student with an interest in exploring the business world. This course provides an opportunity for students to prepare for college accounting as well as to learn basic principles of accounting. Students apply general mathematical calculations to accounting transactions. The students are provided with experiences in planning, gathering, analyzing, and interpreting financial data.

11th or 12th grade level course

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

ACCOUNTING 2

Accounting 2 is a semester-long, College in the High School course, taught by Insight PA instructors utilizing Robert Morris University curriculum to offer dual credit for students. It prepares students for college level coursework in accounting, a requirement for all Business majors. It will further develop the accounting cycle: recording, summarizing, interpreting financial data for corporations, which includes long-term liabilities, plant assets and inventory, cash flow, and financial statement analysis.

11th or 12th grade level course

Course Length: One semester

Credit: 0.5 credit

College Credit: 3 credits

Prerequisites: Marketing 1

MICROSOFT APPLICATIONS

Microsoft Office courses are beneficial for students to conduct educational material and practice in school and university faster with higher quality. These courses provide industry-leading assessments of skills and knowledge through project-based testing, giving students real-world exercises to appraise their understanding of Microsoft Office and taking the industry exams. This year-long course guarantees that every certified student can prove they have the ability to command the full features and functionality of the Word, PowerPoint, and Excel programs that will prepare them for future academic or workforce opportunities. Participation in FBLA can be an opportunity to advance these technical skills.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

PERSONAL FINANCE

Personal Finance is a financial literacy course that has the integration of various factors relating to financial management; including financial institutions, using money, learning to manage personal assets and liabilities, creating budgets, and being financially responsible. Students in the course will evaluate the impact of both internal and external influences in these financial decisions on purchasing events that occur at different stages of life. **This is a semester-long course and a graduation requirement. All 11th grade students will automatically be enrolled unless this course or an equivalent has already been completed.**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

Work Based Learning Course Descriptions

WORK EXPERIENCE 1

This is a semester-long, asynchronous course designed for students to explore the world of work and careers. Work Experience 1 is an introductory program that will help students explore their interests, values, and skills as they relate to career development. Students will engage in activities that promote growth as a potential employee and place a focus on communication, employability skills, leadership, soft skills, and teamwork. Information resulting from this course will help students navigate through future careers.

***10th, 11th, or 12th grade level course**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Proof of Employment

WORK EXPERIENCE 2

This is a semester-long, asynchronous course designed for students to explore the world of work and careers. Work Experience 1 is an introductory program that will help students explore their interests, values, and skills as they relate to career development. Students will engage in activities that promote growth as a potential employee and place a focus on communication, employability skills, leadership, soft skills, and teamwork. Information resulting from this course will help students navigate through future careers.

***10th, 11th, or 12th grade level course**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Work Experience 1 along with Proof of Employment

WORK EXPERIENCE 3

This is a semester-long, asynchronous course that is designed for students that are currently employed and would like to learn credit for learning activities related to their employment. Students must complete W.E. 1 and 2 and wish to continue in the course progression. Students will step into the world of management, entrepreneurship, cybersecurity, labor laws, and a variety of other uncommon areas in the world of work. This course section will also require student employer evaluation and worksite reviews. Students must continue to show proof of employment to enroll in this course.

***10th, 11th, or 12th grade level course**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Work Experience 1 and 2 along with Proof of Employment

WORK EXPERIENCE 4

This is a semester-long, asynchronous course that is designed for students that are currently employed and would like to earn credit for learning activities related to their employment. At this step in the course progression students will dive into workplace health and safety, OSHA, labor laws, and young worker regulations. Students will learn the importance of human resources and being a responsible employee on the job site. This course section continues to require the student to be actively employed to gain authentic experiences related to the coursework.

***10th, 11th, or 12th grade level course**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Work Experience 1, 2, and 3 along with Proof of Employment

WORK EXPERIENCE 5

This is a semester-long, asynchronous course that is designed for students that are currently employed and would like to earn credit for learning activities. Students may be recommended for Diversified Occupations. If students opt to continue in the world of work experience, this course will explore wages, basic budgeting, money management, taxes, banking, and other personal finance initiatives. At this point in the course progression students must have proof of employment for enrollment and participation.

***10th, 11th, or 12th grade level course**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Work Experience 1, 2, and 3 along with Proof of Employment

WORK EXPERIENCE 6

This is a semester-long, asynchronous course designed for students that are currently employed. This is the final step in the Work Experience Progression. In this section of the program students will begin to develop a career portfolio and put together career acquisition documents that include letters of application, letters of employment interest, resumes, and thank you letters. Students will be introduced to interviewing techniques and participate in a mock simulation starting with applications, interviews, and concluding with a follow-up. Information learned in this course will ultimately prepare students to take the next step in their personal career ladder and be confident entering the world of work.

***10th, 11th, or 12th grade level course**

Course Length: One semester

Credit: 0.5 credit

Prerequisites: Work Experience 1, 2, and 3 along with Proof of Employment

DIVERSIFIED OCCUPATIONS

Diversified Occupations is a full year, one-credit course designed to be completed along with aligned working experience. The course prepares students for entry into the workforce at all levels and is designed for all students, regardless of post-secondary plans. Instruction is provided in such skills as employer-employee relations, applications and resumes, interview techniques, banking/credit information, and life skills. The course is designed to increase skills through individual and class study in collaboration with on-the-job training opportunities, encouraging attitudes and habits to meet employment standards. Students who are interested in earning the two additional credits for working must meet the on-the-job training requirements of 15 hours per week (Monday-Friday) and have all required paperwork (application, training agreement, training plan) completed and signed. Students are required to obtain their own employment and have reliable transportation to the worksite. This course is capped at 30 students with no new enrollment after October 1st of the school year.

***11th or 12th grade level course**

Course Length: Two semesters

Credit: 1-4 credit(s)

Prerequisites: Letter of application reviewed by school counselor, CTE coordinator, and high school administration. Proof of employment (signed training agreement) and reliable transportation. Students must remain in good academic standing. Working papers required if under the age of 18 years old.

WORK-BASED LEARNING COURSE

This is an asynchronous course that is designed to be an occupational experience that students will be automatically enrolled in while being in an official cooperative educational experience related to their career interests. Goals are set cooperatively by the student, teacher, employer, and/or training organization (although students are not necessarily paid). This course integrates educational strategies in school-based instruction and learning while aligning within the progressive working or training experience that the student encounters for both career and academic goals. Please Note: Students cannot be placed in this course unless they are approved by their counselor and

work-based learning coordinator to ensure there is an acceptance in a work-based learning experience such as a pre-apprenticeship, internship, or externship, or job shadowing.

***10th, 11th or 12th grade level course**

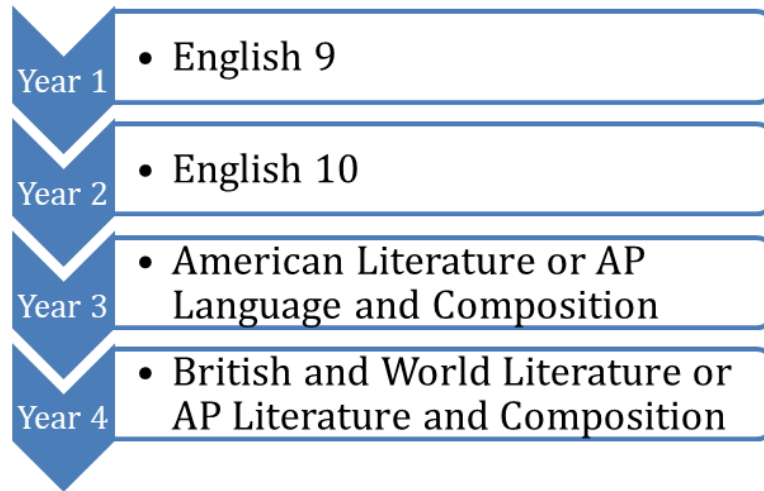
Course Length: One semester

Credit: 0.5 credit

Prerequisites: Must be enrolled in an occupational training or working program and approved by school counselor and work-based learning coordinator.

ENGLISH DEPARTMENT

All students will take an English course each year of high school. Please see below for our typical English course sequence. Honors courses are also available for our more advanced students. AP courses are also available to Seniors who meet the prerequisites and are approved for those courses.



English Course Descriptions

ENG011: ENGLISH FOUNDATIONS II

Students build and reinforce foundational reading, writing, and basic academic skills needed for success in high school. Struggling readers develop mastery in reading comprehension, vocabulary building, study skills, and media literacy. Students build confidence in writing fundamentals by focusing on composition in a variety of formats, grammar, style, and media literacy.

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: Teacher or School Counselor Recommendation

ENG108: ENGLISH 9

This course includes engaging and interactive instruction about reading, writing, speaking, and listening, and language with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

ENG109: ENGLISH 9 HONORS

This course includes engaging and interactive instruction about reading, writing, speaking, and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. This course includes all the topics in ENG108 as well as several extension activities. Each

semester also includes an independent honors project.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: A in previous English course and teacher approval

ENG208: ENGLISH 10

English 10 includes engaging and interactive instruction about reading, writing, speaking, and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. Enrollment into this course includes one 40 minute lab block each week. During the lab block, students will engage in virtual labs, practice Keystone skills relevant to the required Keystone exams, and review pertinent content material as necessary.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Summit English 9 (or equivalent)

ENG209: ENGLISH 10 HONORS

English 10 Honors includes engaging and interactive instruction about reading, writing, speaking, and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. This course includes all the topics in ENG208 as well as several extension activities. Each semester also includes an independent honors project.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: A average in English 9 or B average or higher English 9 Honors (or equivalent)

ENG303: AMERICAN LITERATURE

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: English 10 (or equivalent)

ENG403: BRITISH AND WORLD LITERATURE

Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice.

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: American Literature (or equivalent)

ENG500: ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

The course is structured into units, based on the College Board guide. Students will closely examine big ideas such as: rhetorical situation, claims and evidence, reasoning, organization, and style. They will read a variety of non-fiction writings, including scientific, sociological, philosophical, and narrative texts. The

students will read, annotate, and write synthesis essays (using several primary sources), as well as argument and rhetorical analysis essays. Students will work through the writing process using peer review and teacher feedback to complete several drafts of their work.

***11th or 12th grade level course**

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: A average in English 10 or B average in English 10 Honors (or equivalent); teacher approval

ENG510: ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

***11th or 12th grade level course**

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: A average in English 10 or 11 or B average in English 10 or 11 Honors (or equivalent); teacher approval

ENG010: JOURNALISM

Students are introduced to the historical importance of journalism in America and its subsequent evolution over time. They study the basic principles of print, broadcast, and online journalism as they examine the role of news media in our society. They learn investigative skills, responsible reporting, and journalistic presentation techniques as they read, respond to, write and produce their own news and feature articles. Students conduct interviews, research, write, and design their pieces of news media in multiple formats.

Course Length: One Semester

Credit: 0.5 credit

Prerequisites: None

ENG020: PUBLIC SPEAKING

Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.

Course Length: One Semester

Credit: 0.5 credit

Prerequisites: None

ENG030: CREATIVE WRITING

In this course, students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. They study examples of classic and contemporary selections, apply what they learn to their own writing, and develop proficiency in the writing process. They learn to evaluate the writings of others and apply evaluation criteria to their own work. They practice the complete writing process, including generative writing, drafting, and revision. By the end of the course, students will have created a well-developed portfolio of finished written works.

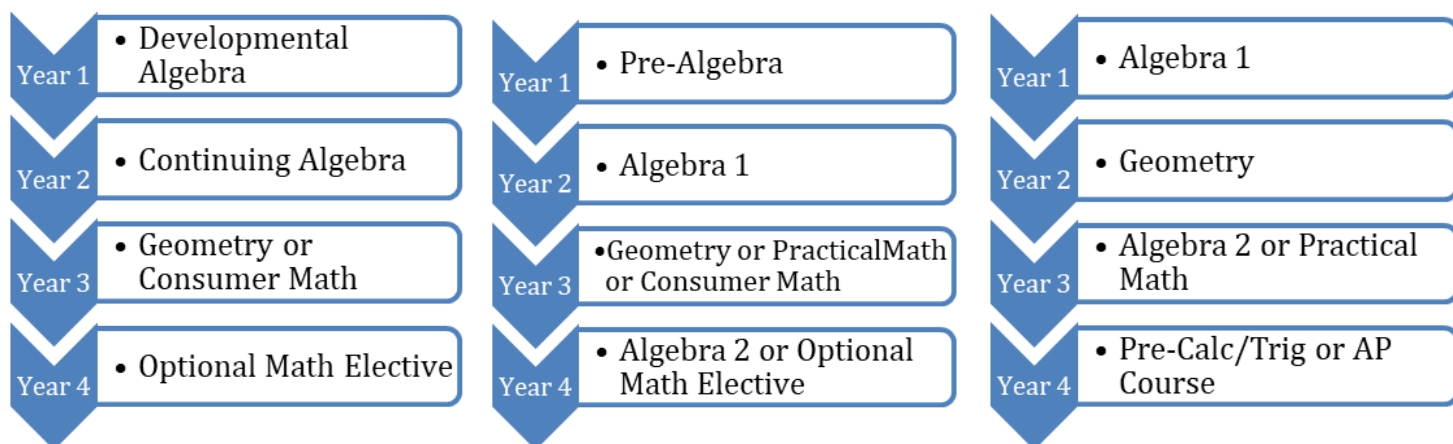
Course Length: Two Semesters

Credit: 1 credit

Prerequisites: None

MATHEMATICS DEPARTMENT

Our typical course progressions for math are listed below. Though some of our 9th grade students will take Algebra 1, we recognize that many students are not ready for this rigorous course at the start of high school. ISPA offers an alternative path for those students that will benefit from a multi-year Algebra progression to master these concepts. Honors math classes are available as well for our more advanced students. Math placement decisions will be made based on teacher recommendations, grades, and testing data. Please note that ISPA requires 3 credits of math, and it is optional to take a math class in 12th grade. We strongly encourage students applying to college or those considering careers that require a strong math background to take math in 12th grade.



Mathematics Course Descriptions

MTH011: MATH FOUNDATIONS II

Students build and reinforce foundational math skills typically found in sixth through eighth grade, achieving the computational skills and conceptual understanding needed to undertake high school math courses with confidence. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. This course is appropriate for use as remediation at the high school level or as a bridge to high school.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: Teacher or School Counselor recommendation

MTH107: DEVELOPMENTAL ALGEBRA

This is the first course in a two-year algebra sequence that concludes with Continuing Algebra. In this course, students begin to explore the tools and principles of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; graph linear equations; solve linear equations and inequalities in one variable; and solve systems of linear equations. Sophisticated virtual manipulatives and online graphing tools help students visualize algebraic relationships. Developmental Algebra covers fewer topics than a one-year algebra course, providing students with more time to learn and practice key concepts and skills. After completing developmental Algebra, students will be prepared to take Continuing Algebra.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: None

MTH207: CONTINUING ALGEBRA

This is the second course in a two-year algebra sequence. In this course, students build on what they learned in Developmental Algebra to complete their knowledge of all topics associated with a deep understanding of Algebra I. They learn about relations and functions, radicals and radical expressions, polynomials, and their graphs, factoring expressions and using factoring to solve equations, solving quadratics, rational expressions, and logic and reasoning. Enrollment into this course includes enrollment into a 40 minute lab block each week. During lab block, students will review content material, work to enhance their skills at responding to constructed response questions, and/or practice Keystone skills as related to the required Keystone exams.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: Developmental Algebra (or equivalent)

MTH113E2: PRE-ALGEBRA

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students extend their understanding of ratio to develop an understanding of proportional relationships and linear functions. Students extend their understanding of numbers and properties of operations to include rational numbers, irrational numbers as well as properties of exponents. Signed rational numbers are contextualized and students use rational numbers in constructing expressions and solving equations. Students derive formulas and solve multistep linear equations including distribution. Students practice manipulating formulas to solve equations dealing with the pythagorean Theorem as well as the volume of three-dimensional objects including pyramids, cones and spheres.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: C or higher in previous mathematics course and/or teacher recommendation

MTH128: ALGEBRA 1

Algebra 1 is intended to formalize and extend the mathematics that students learned in the middle grades. Prior to this course, students will have mastered foundational skills such as computation of integers and solving multistep equations. Understanding of these topics is necessary to deepen their understanding of linear and exponential relationships. Students will apply linear models to data that exhibit a linear trend as well as analyzing, solving, and using quadratic functions. Enrollment into this course includes enrollment into a 40 minute lab block each week. During lab block, students will review content material, work to enhance their skills at responding to constructed response questions, and/or practice Keystone skills as related to the required Keystone exams.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: C or higher in Pre-Algebra or B or higher in 8th grade mathematics

MTH129: ALGEBRA 1 HONORS

This Algebra 1 Honors course is intended to formalize and extend the mathematics that students learned in the middle grades. Prior to this course, students will have mastered foundational skills such as computation of integers and solving multistep equations. Understanding of these topics are necessary to deepen their understanding of linear and exponential relationships. Students will apply linear models to data that exhibit a linear trend as well as analyzing, solving, and using quadratic functions. This course will cover all the topics of MTH128 and will also dive deeper into linear and exponential relationships.

Course Length: Two semesters.

Credit: 1 credit

Prerequisite: B or higher in Pre-Algebra or A or higher in 8th grade mathematics

MTH208: GEOMETRY

This Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, analysis of three-dimensional objects, and geometric modeling.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: Continuing Algebra or Algebra 1 (or equivalent)

MTH204: HONORS GEOMETRY

Students work with advanced geometric concepts in various contexts. They build in-depth ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry. They also develop a sophisticated understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries. Students work on additional challenging assignments, assessments, and research projects.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: A in Algebra 1 or B or higher in Algebra 1 Honors (or equivalent) and teacher approval

MTH308: ALGEBRA 2

In Algebra 2, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Algebra 1 and Geometry (or equivalents)

MTH309: ALGEBRA 2 HONORS

In Algebra 2 Honors, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques. This course includes all the topics in MTH308 as well as several extension activities.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: A in Algebra 1 or B or higher in Algebra 1 Honors (or equivalent) and teacher approval

MTH307: PRACTICAL MATH

In this course, real-world mathematical issues are addressed through a systematic learning process. The overall goal is to have students who will be confident using mathematics in financial situations throughout their lives.

Semester 1: The course begins with a basic review and understanding of mathematical operations necessary as the course progresses. These basic concepts include: Measures of Central Tendency, Types of Graphs and Graphical Representations of Data, Slope, Evaluating Functions, Standard Deviation, Probability, Interquartile Range, Box and Whisker Plots, Percentiles and z scores, Order of operations, solving equations, decimals, fractions, and isolating variables.

Semester 2: As the course progresses in the second semester, the foundation is set for students to use the skills reinforced in the first semester to solve all real-world problems that will help them in their

future. These problems include the following: Paychecks, checking accounts, making money, understanding taxes, paying taxes, deductions for taxes, buying a house, leasing, renting, buying a car, appreciation of a house, depreciation of a car, credit cards and interest, how to budget, owning a car, miles per gallon, investing money, simple interest, compound interest, and insurance.

After the real-world applications have been learned, there is an introduction to basic trigonometry including square roots, radicals, and how to solve right triangles. This is a good course for any student who is interested in learning concepts that will be applicable to a person's financial future along with skills to help solve real-world problems.

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: Continuing Algebra or Algebra 1 (or equivalent) and Geometry

MTH322: CONSUMER MATH

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, reading and interpreting tables and graphs, and interpreting basic statistical data. In the second semester, students learn about spending, transportation considerations, personal finances, checking and savings accounts, loans and buying on credit, and budgeting. Narrated slideshows help illustrate some of the more difficult content.

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: Continuing Algebra or Algebra 1 (or equivalent)

MTH403: PRE-CALCULUS/TRIGONOMETRY

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including laws of cosine and sine; exponential functions, logarithmic functions. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: Geometry and Algebra II (or equivalents)

MTH510: ADVANCED PLACEMENT STATISTICS

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

***11th or 12th Grade Course**

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: Algebra 2 and teacher approval

MTH500: ADVANCED PLACEMENT CALCULUS AB

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

***11th or 12th Grade Course**

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: Pre-Calculus and teacher approval. Summer review work required.

MTH413: PROBABILITY AND STATISTICS

Students learn about counting methods, probability, descriptive statistics, graphs of data, the normal curve, sampling and bias. If time permits, students may learn about comparing variables and regressions.

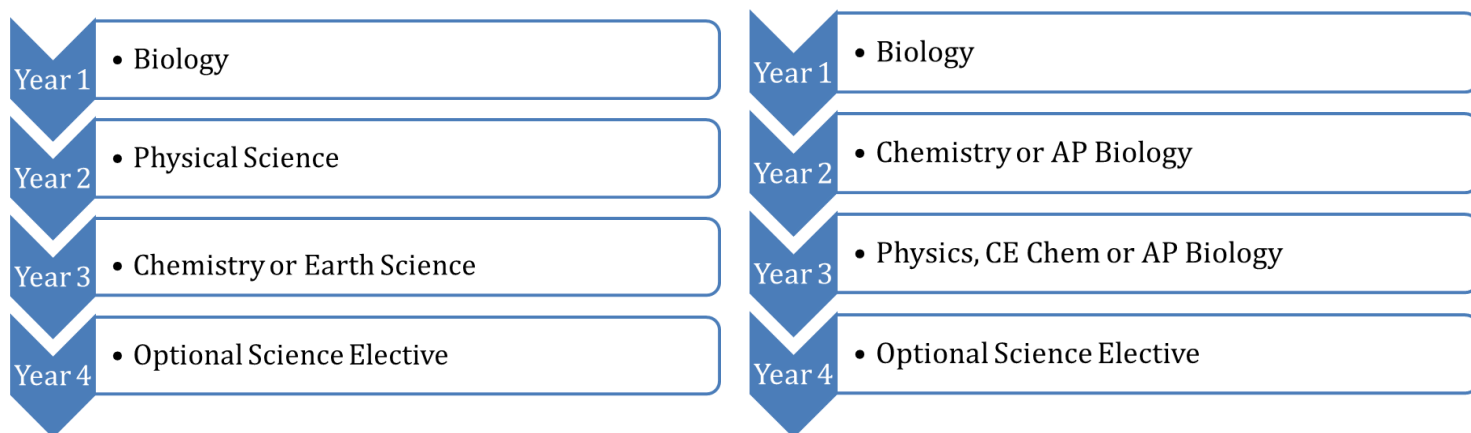
Course Length: One Semester

Credit: 0.5 credit

Prerequisite: Algebra II (or equivalent)

SCIENCE DEPARTMENT

Below are the standard science courses that a student may be scheduled for during progressive school years at Insight PA. An individual student's progression through courses could vary based on post-secondary plans, courses completed at a different school prior to transfer to Insight PA, level of success in prior science courses, teacher recommendation, or other factors. Honors and Advanced Placement courses are available for advanced science students in certain subject areas. Insight PA requires 3 credits of science. A 4th credit of science is optional but highly encouraged for students applying to college, or those considering careers that require a strong science background. Science electives are available based on student interest or need.



Science Course Descriptions

SCI102: PHYSICAL SCIENCE

Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory simulations, and adhering to scientific thinking and best practices. Students focus on inquiry-based learning with virtual laboratory experiences.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

SCI203: BIOLOGY

In this comprehensive course, students investigate the chemistry of living things: the cell, the structure and function of living things, genetics, evolution, and ecology. The program consists of in-depth online lessons, including extensive animations, access to associated reference materials, collaborative explorations, and virtual laboratory experiments. Enrollment into this course includes enrollment into a 40 minute lab block each week. During the lab block, students will complete virtual labs, review content material, and/or practice Keystone skills as related to the required Keystone exams.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

SCI204: HONORS BIOLOGY

This course provides students with a challenging honors-level biology curriculum, focusing on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of advanced online lessons, including extensive animations, access to associated reference materials, collaborative explorations, and virtual laboratory investigations. Students will have the opportunity to dive deeper into life science phenomena and explore current challenges in the field.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Grade of A in previous general science course or B or higher in previous Honors science course and teacher approval

SCI500: ADVANCED PLACEMENT BIOLOGY

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

***10th, 11th or 12th Grade Course**

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: Honors Biology OR an A in Summit Biology course. Completion of chemistry or concurrent with Chemistry. and teacher approval

SCI303: CHEMISTRY

This comprehensive course gives students a solid basis to move on to future studies in a science field. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, virtual laboratories, and related assessments, practicing critical thinking skills and real life applications throughout the year.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: C or better in Biology/ Honors Biology and Algebra 1 (or equivalent)

SCI304: CHEMISTRY HONORS

This advanced course gives students a solid basis to move on to more advanced courses. The challenging course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community based written research projects, treat aspects of chemistry that require individual research and reporting and participate in online threaded discussions.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Grade of A in Biology or B or higher in Honors Biology, completion of Algebra 2, Teacher Approval

SCI113: EARTH SCIENCE

This course provides students with a comprehensive earth science curriculum, focusing on plate tectonics, geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, associated resources, collaborative activities, demonstrations, and online labs/simulations. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods.

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: None

SCI330: ANATOMY & PHYSIOLOGY

The course provides a thorough introduction to the basics required for the study of the human body and how it functions. This course walks students step by step from a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, to an overall review of human development and body processes. In addition, diseases and disorders are integrated throughout the course, to link physiology with anatomy.

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: Biology (B or Higher) or Honors Biology (C or Higher)

SCI403: PHYSICS

This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The course includes direct online instruction, virtual laboratories and related assessments, practicing critical thinking skills and real life applications throughout the year.

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: B or higher earned in Algebra II, enrollment in or completion of Precalculus/
Trigonometry preferred

SCI010: ENVIRONMENTAL SCIENCE

This course surveys key topic areas, including the application of the scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of governmental decisions involving the environment. Students learn that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

SCI020: ASTRONOMY

Follow your enthusiasm for space by introducing yourself to the study of astronomy. This course will include topics such as astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

SCI030: FORENSIC SCIENCE

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, simulation, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

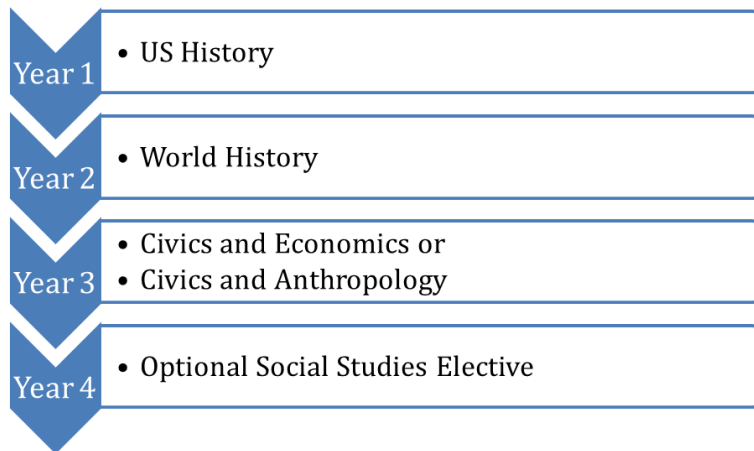
Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

SOCIAL STUDIES DEPARTMENT

Below is the standard course progression for social studies at Insight PA. The order in which these courses are taken may vary for transfer students. Honors and AP courses are also available for our more advanced students. Please note that ISPA requires 3 credits of social studies, and it is optional to take a SS class in 12th grade. We strongly encourage students applying to college or those considering careers that require a strong social studies background to take math in 12th grade.



Social Studies Course Descriptions

HST103: WORLD HISTORY

In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement World History. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: None

HST104: HONORS WORLD HISTORY

In this challenging survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement World History. Students are challenged to consider topics in depth as they

analyze primary sources and maps, create timelines, and complete other projects—practicing advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester.

Course Length: Two Semesters

Credit: 1 credit

Prerequisites: Teacher or School Counselor Recommendation

HST560: ADVANCED PLACEMENT WORLD HISTORY; MODERN

Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

***10th, 11th or 12th Grade Course**

Course Length: Two semesters

Credit: 1 credit

Prerequisites: A in previous History Course and teacher approval. An A in English is also encouraged.

HST303: U.S. HISTORY

This course is a full-year survey that provides students with a comprehensive view of American History from the Colonial Period to recent events. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: None

HST304: HONORS U.S. HISTORY

This course is a challenging full-year survey that provides students with a comprehensive view of American History from the Colonial Period to recent events. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Grade of A in previous general education social studies course or B or higher in previous Honors social studies course and teacher approval.

HST500: ADVANCED PLACEMENT U.S. HISTORY

Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP Exam, but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture. The content aligns to the sequence of topics recommended by the College Board and widely used textbooks. The course prepares students for the AP Exam.

***10th, 11th, 12th Grade Course**

Course Length: Two semesters

Credit: 1.0 credit

Prerequisites: : Grade of A in previous History Course and teacher approval. An A in English is also encouraged.

HST203: MODERN WORLD STUDIES

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the 20th century, with a focus on political and social history. Students also explore topics in physical and human geography and investigate issues of concern in the contemporary world. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

HST403: U.S. GOVERNMENT AND POLITICS

This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court, and discuss their own views on current political issues.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

HST413: U.S. AND GLOBAL ECONOMICS

In this course on economic principles, students explore the choices they face as consumers, producers, and taxpayers. Topics of study include microeconomic principles (supply and demand); macroeconomic principles (inflation, GDP, unemployment, debt); economic systems (command,

market, mixed); fiscal policy; monetary policy; the evolution of money; the role of banks and international monetary organizations; and market failures (externalities, public goods, inequality). Students will analyze these economics topics through historical and current events, graphs, maps, articles, and videos.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

HST040: CIVICS

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of the government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

HST010: ANTHROPOLOGY

Anthropologists research the characteristics and origins of the cultural, social, and physical development of humans, and consider why some cultures change and others come to an end. In this course, students are introduced to the four subfields of anthropology: physical, cultural, linguistic, and archeological. Through instruction and their own investigation and analysis, students will explore the origins of humans, study cultures from across the globe and throughout time, discuss language and how it shapes our identity, and finally dig into the exciting and sometimes dangerous world of Archaeology. These along with a host of other fascinating and informative topics will engage and enrich the students' understanding of who we are, where we've come from, and where we are heading. The content in this course meets or exceeds the standards of the National Council for the Social Studies (NCSS).

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

HST213: GEOGRAPHY

This course examines a broad range of geographical perspectives covering all the major regions of the world. Students examine the similarities and differences among the regions as they explore location, physical characteristics, climate, and significant geographical features. They look at each region from cultural, economic, and political perspectives and closely examine the human impact on each region. Students will utilize ArcGIS mapping during the course.

Course Length: One Semester

Credit: 0.5 credit

Prerequisites: None

OTH039: CRIMINOLOGY

In the modern world, many citizens share a concern about criminal behaviors and intent. This course introduces students to the field of criminology, the study of crime. Students look at possible explanations for crime from psychological, biological, and sociological perspectives; explore the categories and social consequences of crime; and investigate how the criminal justice system handles criminals and their misdeeds. The course explores some key questions: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors—from arrest to punishment—help shape the criminal case process?

Course Length: One semester

Credit: 0.5 credit

Prerequisite: None

HST060: SOCIOLOGY

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

HST020: PSYCHOLOGY

In this course students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key psychology terms and how to apply psychological principles to their own lives. Unit topics include. Introduction to Neuroscience, Growth and Language Acquisition , Learning and Memory, Development and Individual Differences, and Psychological Disorders.

Course Length: One semester

Credit: 0.5 credit

Prerequisites: None

ADVANCED PLACEMENT PSYCHOLOGY

AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

***10th, 11th, 12th Grade Course**

Course Length: Two Semesters

Credit: 1.0 credit

Prerequisites: A in English preferred. A or B in the previous History Course with Teacher Approval

ADVANCED PLACEMENT AFRICAN AMERICAN STUDIES

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with 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 course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora.

***10th, 11th, 12th Grade Course**

Course Length: Two Semesters

Credit: 1.0 credit

Prerequisites: A in English preferred. A or B in the previous History Course with Teacher Approval

ELECTIVES DEPARTMENT

Electives are courses that are not part of a student's core classes but are vital to the high school curriculum. Insight PA's graduation requirements include five credits of electives, but you're free to take whatever classes interest you! These courses allow students to explore new interests and are integral in preparing students for a variety of post-secondary pathways.

World Language Course Descriptions

WLG100A: SPANISH I

Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

WLG100B: SPANISH II

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking, and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored. By Semester 2, the course is conducted almost entirely in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Course Length: Two semesters

Credit: 1 credit

Prerequisites: Passing grade in Spanish I

WLG200: SPANISH III

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: Grade of B or higher in Spanish II

WLG500: ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Course Length: Two semesters

Credit: 1 credit

Prerequisite: Grade of A or higher in Spanish III or B average in Spanish III and teacher approval

WLG110: FRENCH I

Students begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking, and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Course Length: Two semesters

Credit: 1 credit

Prerequisites: None

WLG210: FRENCH II

Students continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students begin to comprehend listening and reading passages more fully and start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking, and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments by which their language progression can be monitored.

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: Passing grade in French I

Art, Music and Humanities Course Descriptions

ART010: ART HISTORY

This course combines art history, appreciation, and analysis. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Students will view and discuss various forms of the visual arts, such as painting, sculpture, architecture, as well as be exposed to a variety of artwork from different cultures. This course is purely art history and no physical artwork will be produced.

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: None

ART040: ART STUDIO

This project based course introduces students to the various forms of the visual arts, such as painting, sculpture, film, and more. Students will learn how to look at a work of art, analyze characteristics in artworks, and understand the role art has played throughout history and how it is still prevalent today. Studio projects will provide opportunities for drawing, painting, sculpting, and other creative endeavors. Students are expected to complete these studio projects as they are a main component of their overall grade.

Course Length: One Semester

Credit: .5 credit

Prerequisite: None

ART020: MUSIC APPRECIATION

This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms, classical music, patriotic and nationalistic music, and twentieth century music. The second semester presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The

course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world.

Course Length: Two Semesters

Credit: 1 credit

Prerequisite: None

TCH028: DIGITAL ARTS STUDIO I

In this introduction/exploratory course, students learn the elements and principles of design as well as foundational concepts of visual communication. While surveying a variety of media and art, students use a variety of free web based software for image editing, and digital drawing to put into practice the art principles they have learned. They explore career opportunities in the design, production, display, and presentation of digital artwork. They respond to the artwork of others and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas. At the conclusion students will have a portfolio of completed projects one from each unit. This is an introductory course.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: None

TCH029: DIGITAL ARTS STUDIO II

Students build/expand on the skills and concepts they learned in Digital Arts I as they develop their vocabulary of digital design elements. Students will showcase their knowledge and success from Digital Arts I, by focusing on more individual digital drawing skills, animation, and photo manipulation. By the end of the course, students will have created a collection of digital art projects for their digital design portfolio.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: Passing grade in Digital Arts I

MUSIC THEORY

This course introduces students to the basics of music theory. Students will gain a basic understanding of how to read music as well as some of the rules for how music is written. They will practice and demonstrate their skills to show knowledge through original compositions and be able to say they were a composer. Topics will include notation, rhythm, scales, key signatures, intervals, and chords.

Course Length: One Semester

Credit: 0.5 credit

Prerequisite: None

INTRO TO ETHNOMUSICOLOGY

This is an introductory course in world cultures and their use of music. The emphasis is on Non-Western cultural studies. The course gives students the opportunity to examine the world of ethnomusicology and delve into the musical backgrounds and diverse musical traditions from different perspectives to impart greater world awareness and shape global leadership. Topics

covered will include Music of Indonesia, Music and Media since the Age of Mechanical Reproduction, Music and Political Identity, Music of India, Music of the East and other regions of the world.

Course Length: One Semester

Credit: 0.5 credit

Prerequisite: None

OTH040: REACHING YOUR ACADEMIC POTENTIAL

Students learn essential academic skills within the context of their learning style, individual learning environment, and long-term goals. This course helps students develop habits for more successful reading, writing, studying, communication, collaboration, time management, and concentration. It also provides insights into how the brain works when they are learning, and ways to maximize its potential.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: None

DAILY LIVING SKILLS

This one-semester elective is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning, and solving problems. Instructional material focuses on dealing with media and peer pressure, communicating and relationships, working with others, avoiding and/or resolving conflict, decision-making, wellness and personal safety, aspects of good citizenship, environmental awareness, and how students can contribute to their own community.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: None

OTH060: FAMILY AND CONSUMER SCIENCE

In this course, students develop skills and knowledge to help them transition into adult roles within the family. They learn to make wise consumer choices, prepare nutritious meals, contribute effectively as part of a team, manage a household budget, and balance roles of work and family. They gain an appreciation for the responsibilities of family members throughout the lifespan and the contributions to the well-being of the family and the community.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: None

Health and Physical Education Course Descriptions

OTH020: PHYSICAL EDUCATION

This course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition and diet, and stress management.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: None

OTH010: SKILLS FOR HEALTH

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: None

OTH080: NUTRITION AND WELLNESS

This half-credit course will introduce the student to an overview of good nutrition principles that are needed for human physical and mental wellness. Discussion of digestion, basic nutrients, weight management, sports and fitness, and life span nutrition is included. Application to today's food and eating trends, plus learning to assess for reliable nutrition information is emphasized.

Course Length: One semester

Credit: 0.5 credit

Prerequisite: Skills for Health or equivalent

Insight PA Course Offerings List

| CTE COURSES | SEMESTERS | CREDITS |
|---------------------------------------|-----------|---------|
| HEALTHCARE PROFESSIONS | | |
| Introduction to Health Occupations | One | 0.5 |
| Medical Terminology 1 | One | 0.5 |
| Medical Terminology 2 | One | 0.5 |
| Healthcare Workforce Prep | One | 0.5 |
| Medical Billing Specialist | Two | 1 |
| HLT410 PBL Nursing Assistant 1 | One | 0.5 |
| HLT411 PBL Nursing Assistant 2 | One | 0.5 |
| D-HLT-431AE1 Pharmacy Technician | Two | 1 |
| BUSINESS MANAGEMENT | | |
| Introduction to Business | One | 0.5 |
| Business Ethics | One | 0.5 |
| Marketing 1 | One | 0.5 |
| Marketing 2 | One | 0.5 |
| Business Communications | One | 0.5 |
| Entrepreneurship | One | 0.5 |
| Accounting 1 | One | 0.5 |
| Accounting 2 | One | 0.5 |
| Microsoft Applications | One | 0.5 |
| Personal Finance | One | 0.5 |
| INFORMATION TECHNOLOGY COURSES | | |
| Python Programming | Two | 1 |
| Data Science | One | 0.5 |
| Artificial Intelligence | One | 0.5 |
| Cybersecurity | Two | 1 |
| Computer Science Explorations | Two | 1 |
| Introduction to Programming | Two | 1 |
| Web Page Design | Two | 1 |
| IT Fundamentals Pro | Two | 1 |

| EDUCATION AND TRAINING COURSES | | |
|-------------------------------------|-----|-----|
| Fundamentals of Teaching Profession | One | 0.5 |
| Introduction to Lesson Planning | One | 0.5 |
| Understanding Child Development | One | 0.5 |
| WORK BASED LEARNING COURSES | | |
| Work Experience 1 | One | 0.5 |
| Work Experience 2 | One | 0.5 |
| Work Experience 3 | One | 0.5 |
| Work Experience 4 | One | 0.5 |
| Work Experience 5 | One | 0.5 |
| Work Experience 6 | One | 0.5 |
| Diversified Occupations | Two | 1-4 |
| Work-Based Learning | One | 0.5 |

| ENGLISH COURSES | SEMESTERS | CREDITS |
|--|-----------|---------|
| ENG011: English Foundations II | Two | 1 |
| ENG108 Summit English 9 | Two | 1 |
| ENG109 Summit English 9 Honors | Two | 1 |
| ENG208 Summit English 10 | Two | 1 |
| ENG209 Summit English 10 Honors | Two | 1 |
| ENG303 Summit American Literature | Two | 1 |
| ENG404 Summit British and World Literature | Two | 1 |
| ENG500 AP English Language and Composition | Two | 1 |
| ENG510 AP English Literature and Composition | Two | 1 |
| ENG010 Journalism | One | 0.5 |
| ENG020 Public Speaking | One | 0.5 |
| ENG030 Creative Writing | Two | 1 |

| MATH COURSES | SEMESTERS | CREDITS |
|-------------------------------------|-----------|---------|
| MTH011 Math Foundations II | Two | 1 |
| MTH113E2 Pre-Algebra | Two | 1 |
| MTH107 Summit Developmental Algebra | Two | 1 |
| MTH207 Summit Continuing Algebra | Two | 1 |
| MTH128 Summit Algebra 1 | Two | 1 |
| MTH129 Summit Algebra 1 Honors | Two | 1 |
| MTH208 Summit Geometry | Two | 1 |
| MTH204 Summit Geometry Honors | Two | 1 |
| MTH308 Summit Algebra 2 | Two | 1 |
| MTH309 Summit Algebra 2 Honors | Two | 1 |
| MTH307 Summit Practical Math | Two | 1 |
| MTH322 Summit Consumer Math | Two | 1 |
| MTH403 Pre-Calculus/Trigonometry | Two | 1 |
| MTH510 AP Statistics | Two | 1 |
| MTH500 AP Calculus AB | Two | 1 |
| MTH413 Probability and Statistics | One | 0.5 |

| SCIENCE COURSES | SEMESTERS | CREDITS |
|-----------------------------|-----------|---------|
| SCI102 Physical Science | Two | 1 |
| SCI203 Biology | Two | 1 |
| SCI204 Biology Honors | Two | 1 |
| SCI530 AP Biology | Two | 1 |
| SCI303 Chemistry | Two | 1 |
| SCI304 Chemistry Honors | Two | 1 |
| SCI113 Summit Earth Science | Two | 1 |
| SCI330 Anatomy & Physiology | Two | 1 |
| SCI403 Summit Physics | Two | 1 |

| | | |
|------------------------------|-----|-----|
| SCI010 Environmental Science | One | 0.5 |
| SCI020 Astronomy | One | 0.5 |
| SCI030 Forensic Science | One | 0.5 |

| SOCIAL STUDIES COURSES | SEMESTERS | CREDITS |
|-----------------------------------|-----------|---------|
| HST103 World History | Two | 1 |
| HST104 World History Honors | Two | 1 |
| HST560 AP World History; Modern | Two | 1 |
| HST303 US History | Two | 1 |
| HST304 US History Honors | Two | 1 |
| HST500 AP US History | Two | 1 |
| HST403 US Government and Politics | One | 0.5 |
| HST413 US and Global Economics | One | 0.5 |
| HST203 Modern World Studies | Two | 1 |
| HST040 Civics | One | 0.5 |
| HST010 Anthropology | One | 0.5 |
| HST213 Geography | One | 0.5 |
| HST020 Psychology | One | 0.5 |
| AP Psychology | Two | 1 |
| OTH039 Criminology | One | 0.5 |
| HST060 Sociology | One | 0.5 |
| AP African American Studies | Two | 1 |

| ELECTIVES COURSES | SEMESTERS | CREDITS |
|--|-----------|---------|
| WLG100A Spanish I | Two | 1 |
| WLG100B Spanish II | Two | 1 |
| WLG200 Spanish III | Two | 1 |
| WLG500 AP Spanish Language and Culture | Two | 1 |
| WLG110 French I | Two | 1 |

| | | |
|--|-----|-----|
| WLG210 French II | Two | 1 |
| ART010 Art History | Two | 1 |
| ART040 Art Studio | One | 0.5 |
| ART020 Music Appreciation | Two | 1 |
| TCH028 Digital Arts I | One | 0.5 |
| TCH029 Digital Arts II | One | 0.5 |
| OTH060 Family and Consumer Science | One | 0.5 |
| Music Theory | One | 0.5 |
| Intro to Ethnomusicology | One | 0.5 |
| OTH040 Reaching Your Academic Potential | One | 0.5 |
| Daily Living Skills | One | 0.5 |
| HEALTH AND PHYSICAL EDUCATION COURSES | | |
| OTH020 Physical Education | One | 0.5 |
| OTH010 Skills for Health | One | 0.5 |
| OTH080 Nutrition and Wellness | One | 0.5 |

High School Counselor Caseloads and Contact Information

| Name | Caseload (by last name) | Email | Ext. | Link to Schedule a Meeting |
|----------------------------|----------------------------|------------------------------|------|--|
| Stacey Klepfer | A-Bra | sklepfer@insightpa.org | 3193 | Schedule a meeting with Dr. Klepfer |
| Christina Johnson | Bre-Cri | chjohnson@insightpa.org | 3391 | Schedule a meeting with Ms. Johnson |
| Elyse Lanzendorfer | Cro-Fra | ellanzendorfer@insightpa.org | 3600 | Schedule a meeting with Ms. Lanzendorfer |
| Patrick Blackstone | Fre-Hop | pablackstone@insightpa.org | 3454 | Schedule a meeting with Mr. Blackstone |
| Karina deTurck | Hor-Leo | kdeturck@insightpa.org | 3484 | Schedule a meeting with Mrs. deTurck |
| Christine Babu | Les-Mile | chbabu@insightpa.org | 3350 | Schedule a meeting with Ms. Babu |
| Amber Clark | Mill-Ph | aclark@insightpa.org | 3522 | Schedule a meeting with Ms. Clark |
| Angela Orbin | Pi-Sag | anorbin@insightpa.org | 3208 | Schedule a meeting with Ms. Orbin |
| Dawn Christ | Sai-Str | dchrist@insightpa.org | 3098 | Schedule a meeting with Ms. Christ |
| Mara Benvenuti | Stu-Wh | mabenvenuti@insightpa.org | 3077 | Schedule a meeting with Ms. Benvenuti |
| Kelsey Tate *Dept Chair | Wi-Z | ketate@insightpa.org | 3641 | Schedule a meeting with Ms. Tate |