

Gettysburg Area High School

Course Selection Guide

DRAFT

2026-2027



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Gettysburg Area School District

Telephone: (717) 334-6254

The Gettysburg Area School District is located in rural Adams County and includes the Borough of Gettysburg and its surrounding townships. Located within 35 miles of Harrisburg and 70 miles of Washington, D.C. and Baltimore, MD, Gettysburg is home to a diverse population. Although tourism and agriculture are the major industries, people are also attracted to Gettysburg by Gettysburg College, Lutheran Seminary, and the Gettysburg Hospital. Gettysburg is also the county seat.

GAHS Mission and Vision

Mission:

Gettysburg Area High School will establish an environment of respect and integrity as our collaborative community creates opportunities to engage learners in experiences that provoke critical thought and challenge their creative intelligences.

Vision:

Gettysburg Area High School ensures that all learners have access to a rigorous curriculum of varied experiences that will develop into a personally relevant pathway to future success and ultimately mold citizens who will make positive and meaningful contributions to the world around them.

School Counseling Services

The Gettysburg Area High School Counseling Center implements a comprehensive program aimed at helping all students achieve academic success and be college and career ready. Students meet individually with their school counselor each year to plan their course selection requests and discuss postsecondary plans. Parents/Guardians are encouraged to be involved in the course selection process each year.

Counselors are assigned by the last name of the student

Mr. Jonathan Zimmerman

School Counselor
jzimmerman@gasd-pa.org
Class of 2030 - TBD
Class of 2029 - Last names A-G
Class of 2028 - Last names A-F
Class of 2027 - Last names A-G

Mr. Mark Smith

School Counselor
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Class of 2030 - TBD
Class of 2029 - Last names H-O
Class of 2028 - Last names G-O
Class of 2027 - Last names H-O

Mrs. Lakota Bowers

School Counselor
lbowers@gasd-pa.org
Class of 2030 - TBD
Class of 2029 - Last names P-Z
Class of 2028 - Last names P-Z
Class of 2027 - Last names P-Z

Mrs. Carrie Myers

Administrative Assistant
cmyers@gasd-pa.org
717-334-6254
Option 2
Ext. 6248

College and Career Counseling

The Counseling Center coordinates and supports a variety of programs aimed at providing students with the best opportunities for success during and beyond high school.

- 1:1 counseling and small group events for topics such as college and career search tools, college application resources, AP, College in the High School (CHS), Dual Enrollment (DE), Scholarship programs, ACT 158 Pathway, Career Pathways, and NCAA eligibility.
- Career Exploration Opportunities (e.g., career talks, field trips, job shadowing, internships, etc)
- PSAT/NMSQT - sign-ups available to all sophomores and juniors - October
- SAT - www.mysat.org (March, May, June, August, October, November, and December)
- ACT - www.act.org (September, October, December, February, April, June, and July)
- Financial Aid Night - September - GAHS Auditorium
- Adams County College and Career Fair - September - Gettysburg College
- College Representative Visits - Fall Semester in Counseling Center
- ASVAB (Fall and Spring Semester administrations - GAHS)
- Military Recruitment
- Adams County Career Fair for sophomores at Gettysburg College - Spring Semester

Graduation Requirements

Minimum requirements for graduation from Gettysburg Area High School (grades 9-12) are:

| | |
|---|-------------|
| English | 4.00 |
| Mathematics | 3.00 |
| Science | 3.00 |
| Social Studies | 3.00 |
| Additional Core | 1.00 |
| Fine Arts/Practical Arts/Humanities/CTE | 2.00 |
| Physical Education | 2.00 |
| Freshmen Advisory/Career Exploration | 0.50 |
| Safety Education | 0.50 |
| Health | 0.50 |
| Personal Finance | 0.50 |
| Selected Electives | <u>8.00</u> |
| | 28.00 |

Minimum Total Credits To Graduate 28.00

Early Graduation

Gettysburg Area High School offers senior students the opportunity to pursue early graduation by finishing their course work at the end of the 1st semester of their senior year. In order to be eligible for early graduation, students must:

- Notify their counselor of their intent when scheduling during spring semester of junior year.
- Have completed 24 of the 28 required classroom credits by the first day of school of their senior year.
- Have satisfied the requirements of Act 158.
- Pass all four courses during the 1st semester. Students not passing a course during the 1st semester will be expected to schedule classes during the 2nd semester.

Students who meet these eligibility requirements and complete the necessary coursework will not be required to attend GAHS during the second semester of their senior year. Students who choose to do this will not be eligible to participate in Spring school sports (per PIAA rules) or activities (with the exception of Prom, Senior Trip, and Graduation). Students will not receive a diploma until the spring graduation ceremony.

GAHS Career Pathways and Programs of Study

As explained in our vision statement, our goal is for our students to develop an educational plan that fits within a pathway that is personally relevant to their interests, talents, and passions. We will help students identify a pathway that fits their future ambitions for employment and assist them with their transition to postsecondary work or additional training/schooling. **Our identified Career Pathways include: Agricultural Sciences, Business and Management, Arts and Communication, Engineering and Industrial Technology, and Health Sciences and Human Services.** Within each of these Career Pathways, we also offer students access to specific Programs of Study that offer a number of unique benefits. These benefits may include industry recognized credentialing, articulation agreements with postsecondary institutions, and/or opportunities for cooperative education and workplace experiences. We encourage students to work with their parents/guardians and school staff members to identify a fitting career pathway and make the most of Gettysburg Area High School's educational opportunities.

ACT 158

Beginning with the graduating classes of 2023, students must meet one of the state mandated pathway requirements outlined in Act 158:

- Keystone Proficiency Pathway
- Keystone Composite Pathway
- Career and Technical Education Concentrator Pathway
- Alternative Assessment Pathway
- Evidence-Based Pathway
- Approved Individual Educational Plan Pathway

Keystone Testing

Students enrolled in Algebra 1B or Accelerated Algebra 1B, English Literature 10, Accelerated English Literature 10 or AP English Seminar 10, and Biology or Accelerated Biology are required to take a Keystone Exam near the end of their assigned high school course. The Keystone tests are a part of each student's graduation requirements. See ACT 158 section above.

- Keystone Proficiency Pathway: Proficient or Advanced on each of the three Keystone Exams.
- Keystone Composite Pathway: At least one Proficient score, no score that is Below Basic and a combined/composite point total across exams that meets state minimums.

Honor Roll

In order to be eligible for inclusion on one of the Honor Rolls, a student must be enrolled as a full-time student. GAHS has two levels of Honor Roll. The criteria are as follows:

High Honors GPA 94-100% and no course grade lower than 94%
Honor Roll GPA 85-93.99% and no course grade lower than 83%

GASD Cyber Program

We are pleased to continue offering our 100% cyber school option for students of the Gettysburg Area School District (GASD) for the 25-26 school year. Students have the choice of our traditional brick and mortar school, or our cyber school program, GASD Cyber, offered through Lincoln Edge for students in grades 6-12. For additional information for GASD Cyber, click [here](#).

PA Seal of Biliteracy

The Pennsylvania Seal of Biliteracy (PASB) is an award given in recognition of students who can read, speak, listen and write at a high level in English and another world language, including American Sign Language. See criteria details in the World Language section of this guide (pg. 51).

Course Weighting

For the purpose of calculating class rank, final course grades will be on a 100-point scale and weighted with additional quality points according to the following:

AP = 1.1 College in the High School = 1.1 Accelerated = 1.03

GAHS Grading Scale

| 100 Point Scale Numeric Weighted Calculation Values | | | | | 4.0 Scale GPA Weighted Calculation Values | | | | |
|--|---------------|----------|--------------------|-----------------|--|---------------|----------|-------------|--------|
| Letter Grade | Numeric Grade | Standard | Accelerated x 1.03 | AP/CHS x 1.1 | Letter Grade | Numeric Grade | Standard | Accelerated | AP/CHS |
| A | 94-100 | 94-100 | 96.82 - 103.00 | 103.40 - 110.00 | A | 94-100 | 4.00 | 4.21 | 4.70 |
| A- | 92-93 | 92-93 | 94.76 - 95.79 | 101.20 - 102.30 | A- | 92-93 | 3.70 | 3.91 | 4.40 |
| B+ | 90-91 | 90-91 | 92.70 - 93.73 | 99.00 - 100.10 | B+ | 90-91 | 3.30 | 3.51 | 4.00 |
| B | 85-89 | 85-89 | 87.55 - 91.67 | 93.50 - 97.90 | B | 85-89 | 3.00 | 3.21 | 3.70 |
| B- | 83-84 | 83-84 | 85.49 - 86.52 | 91.30 - 92.40 | B- | 83-84 | 2.70 | 2.91 | 3.40 |
| C+ | 81-82 | 81-82 | 83.43 - 84.46 | 89.10 - 90.20 | C+ | 81-82 | 2.30 | 2.51 | 3.00 |
| C | 75-80 | 75-80 | 77.25 - 82.40 | 82.50 - 88.00 | C | 75-80 | 2.00 | 2.21 | 2.70 |
| C- | 73-74 | 73-74 | 75.19 - 76.22 | 80.30 - 81.40 | C- | 73-74 | 1.70 | 1.91 | 2.40 |
| D+ | 71-72 | 71-72 | 73.13 - 74.16 | 78.10 - 79.20 | D+ | 71-72 | 1.30 | 1.51 | 2.00 |
| D | 67-70 | 67-70 | 69.01 - 72.10 | 73.70 - 77.00 | D | 67-70 | 1.00 | 1.21 | 1.70 |
| D- | 65-66 | 65-66 | 66.95 - 67.98 | 71.50 - 72.60 | D- | 65-66 | 0.70 | 0.91 | 1.40 |
| F | 0-64 | 0-64 | 00.00 - 64.00 | 00.00 - 64.00 | F | 0-64 | 0.00 | 0.00 | 0.00 |
| Transfer courses, Dual Enrollment, College Audits and Letter Grades are not calculated in GPA or Rank. | | | | | Transfer courses, Dual Enrollment, College Audits and Letter Grades are not calculated in GPA or Rank. | | | | |

Class Rank

Class rank will be determined using final percentage grades (rounded to three decimal places) in all Gettysburg Area School District courses for which graduation credit is awarded. Each student will be ranked individually among their class. Student rank will appear on all Official Transcripts. Gettysburg Area High School will select a Valedictorian and a Salutatorian based on class rank.

Dual Enrollment courses taken outside of the high school and taught by teachers not employed by the Gettysburg Area School District will not be included in the class rank calculations or subsequent decile placements. Independent Study, Career Internships, Teacher Assistant, Transition to Work, test out courses, College Audit, and Foreign Study credits will also not be included in the class rank calculations and subsequent decile placements. Students transferring to Gettysburg Area High School from other high schools will receive credit for work completed elsewhere. However, final grades for those courses will not be included in class rank calculations and subsequent decile placements.

Graduating (transfer) students completing a minimum of 4 semesters of coursework (16 credits) at GAHS are eligible for inclusion in the class ranking.

Scheduling

1. Students must schedule eight credits for the school year.
2. Students are required to select a minimum of three alternate electives when scheduling.
3. Every course offered at Gettysburg has a credit value; credits are earned from both required and elective courses.
4. There are also some elective courses that students may not take unless they have completed the prerequisite course.
5. Some electives require a fee to be paid to help offset the costs of materials used to create student projects, indicated by a (\$) .
6. In order to be promoted to the next grade level status, a student must earn 4.0 credits to be a sophomore, 12.0 credits to be a junior, and 20.0 credits to be a senior.
7. Students planning to enter college are recommended to take an academic curriculum, maintain a high scholastic average and take the appropriate college entrance tests.
8. Course offerings are affected by student demand and/or teacher availability. If there is low student demand for the course or if a teacher's schedule is too full, it may be necessary to eliminate the course offerings from the schedule.

Student Schedule Changes

Semester One:

Students will be permitted to make schedule changes over the summer with the understanding that counselors have limited hours. A request for schedule change form must be submitted 10 days prior to the 1st day of school for semester one schedule changes.

Semester Two:

A request for schedule change form must be submitted before December break. Acceptable reasons for a course change include: academic misplacement, missing prerequisite, failure of a previously taken core subject, graduation requirement, postsecondary goals.

Please keep in mind that any request to change a schedule may result in the loss of another desired core course or elective of your choice (if it conflicts with the new course being requested) or create an unbalanced schedule for the student. In addition, changes to electives are often very difficult after initial selection. Elective classes fill up quickly and initial schedules are balanced in such a way that later changes may not be possible.

- A schedule change request form needs to be completed by the student and signed by a parent.
- Turn your completed form into the Counseling Center. All schedule changes must be approved by an administrator.

Course Audits

In cases where an 11th or 12th grade student is on schedule in meeting graduation requirements, they may choose to audit a college course through Gettysburg College. The student will receive a high school elective credit; however course audits are not factored into class rank or GPA. Course audit credits are not transferable to a college or university.

Independent Study

Gettysburg Area High School offers students the limited opportunity to schedule an independent study for an elective credit. In order for a proposal to qualify for an Independent Study:

1. A student must complete the necessary application with his/her counselor.
2. The course must be an elective credit.
3. The course must demonstrate daily documented work.
4. The course should be in a field of intended postsecondary study for the student.
5. The course must have clearly defined assessments.
6. A certified staff member at GAHS must agree to serve as an advisor for the study. The student will report to that staff member's classroom each day during the designated period.
7. All Independent Studies must be scheduled and approved by the end of the first week of school in August. No independent studies will be approved at the semester break in January without extreme extenuating circumstances.

College Credit Programs

Advanced Placement Courses (AP)

Advanced placement courses are weighted an additional 10%, the same as College in the High School courses. See the Grading Scale on page 7.

All AP courses are college-level courses designed to prepare students for AP Exams. Depending upon how well a student does on the respective AP examination given in May, they may receive college credit in a particular subject area. Students electing to take an AP course are required to take the examination and pay the exam fee (approximately \$99.00). Payment of the fee can be made in three installments. Failure to pay the fee will result in an “Incomplete” being assigned for the class grade until the fee is paid. Financial assistance may be available.

Students desiring to take AP courses need to be highly motivated and should have experienced a high degree of success in previous courses in the subject area. Students will be required to do a great deal of reading, writing, and high-level problem-solving.

In addition, students enrolled in AP courses may be required to complete summer assignments. Please see each individual course description for guidelines regarding summer work assignments. Assignments should be given directly to the teacher of the AP course. Exceptions may be granted by the teacher with the approval of the administration for extenuating circumstances only. Three or more college credits may be granted by the cooperating institution based on the student’s AP exam score and the receiving college’s AP credit policy.

College in the High School (CHS)

College in the High School courses are weighted an additional 10%, the same as AP courses. See the Grading Scale on page 7.

Gettysburg Area High School has partnered with various postsecondary institutions to provide college level courses and credit to eligible students in grades 11 and 12. College in the High School courses are taught by certified Gettysburg Area High School teachers, offering the same course content as the college. Students enrolled in CHS courses have the option to earn college credits offered at a reduced tuition rate at the expense of the student and family at the approximate cost of \$225.00 - \$400.00 per course. Courses are charged per credit, with the cost per credit being set by the college. See each course’s description for more details. Financial assistance may be available, consult with your counselor.

Dual Enrollment (DE)

*Dual Enrollment course grades are **not** calculated in a student’s GPA. See the class rank summary on page 7.*

Dual enrollment courses offer students a broader range of coursework and flexibility in their schedule while providing students the opportunity to experience college courses. These courses are taught by postsecondary instructional faculty, and offered at a reduced tuition rate at the expense of the student and family. The student will earn both college and high school credits upon successful completion of a DE course. At the conclusion of the course, any student requiring a transcript for the transfer of credits to a college or university must submit their request through the Dual Enrollment college. Dual Enrollment course grades will be added to the student’s transcript as reported to GAHS by the college.

Qualifications: Students wishing to participate in dual enrollment should meet the following.

- Junior or Senior standing
- On target to meet graduation requirements
- Weighted, cumulative GPA of at least 3.0 or teacher/counselor recommendation
- Have strong communication and organizational skills
- Parent approval (Student and Parent will complete a GAHS DE contract)

Summer School

Prior to summer, the counseling center provides information regarding summer school opportunities and related fees.

- Students may complete dual enrollment courses or access available courses through Lincoln Edge.
 - The accumulation of credits through summer coursework is capped at 4 credits (1 per summer).
- “Credit Recovery” courses are available through Lincoln Edge for students identified by administration.
 - Maximum of 2 recovery credits per summer will be accepted toward graduation requirements.

NCAA Eligibility

[2025-2026 Guide for the College-Bound Student-Athlete](#)

Students who plan to participate in college athletics must be familiar with the National Collegiate Athletic Association (NCAA) eligibility requirements. In order to be eligible for college athletics, a student must take a minimum number of NCAA approved courses and meet minimum requirements for GPA. The Gettysburg Area High School approved course list can be found at this [link](#): GAHS CEEB Code: 391510. More details can be found on the NCAA [website](#).

All student-athletes considering college athletics should discuss the matter with their school counselor to ensure proper course selection. Also, in the junior year, the student must register with the NCAA Eligibility Center which can be accessed [here](#). NOTE: The NCAA has its own method of [GPA calculation](#). See your counselor for more information.

Initial-Eligibility Standards

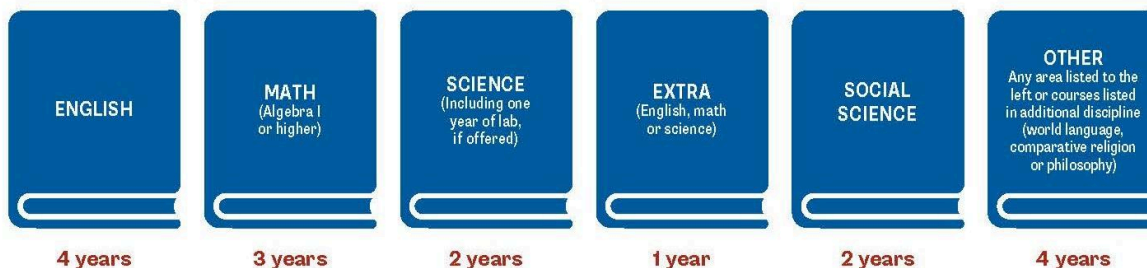
If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at [eligibilitycenter.org](#). Plan to register before your freshman year of high school. For more information on registration, visit [on.ncaa.com/RegChecklist](#).

Academic Requirements

Division I and II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

Division I

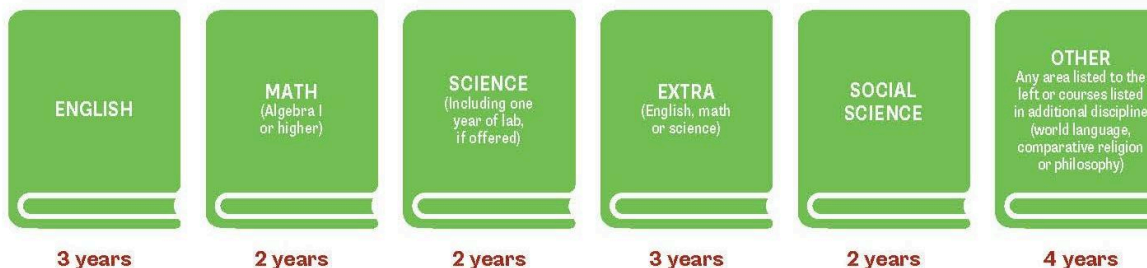
1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division II

1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division III

While **Division III schools** set their own admissions and academic requirements, **international student-athletes** (first-year enrollees and transfers) who are enrolling at a Division III school after Aug. 1, 2023, must be certified as an amateur by the Eligibility Center. Contact the Division III school you plan to attend for more information about its academic requirements.

GETTYSBURG AREA HIGH SCHOOL - PLANNING GUIDE

| Name: | | College-Bound Athlete: | | |
|---|--|--------------------------------------|--|--------------------------------------|
| Graduation Year: | | Graduation Pathway: | | |
| Credit Requirements: (28 credits minimum) | Grade 9 (8.0 credits) | Grade 10 (8.0 credits) | Grade 11 (8.0 credits) | Grade 12 (8.0 credits) |
| English (4 credits) | | | | |
| Social Studies (3 credits) | | | | |
| Mathematics (3 credits) | | | | |
| Science (3 credits) | | | | |
| Additional Core (1 Credit) | | | | |
| Physical Ed (2 credits) | | | | |
| Wrap Around Courses (2 credits) | <i>Freshman Advisory & Career Exploration (.5 cr.)</i> | <i>Safety Education (.5 cr.)</i> | <i>Health or CHS Health (.5 cr.)</i> | <i>Personal Finance (.5 cr.)</i> |
| Fine Arts/Practical Arts/Humanities/CTE (2 credits) | | | | |
| Electives (8 credits) | | | | |

Agriculture

Chairperson: Mrs. Scott

Department Members: Ms. Wessel

The Agriculture Education Program offers a wide variety of courses that are designed to provide students with the chance to demonstrate knowledge and skills through real-life applications. Teachers in the Agriculture Education Program maintain close ties with business and industry personnel to ensure courses reflect current expectations in the marketplace. Students who complete the program have an opportunity to acquire industry-specific certifications and/or college credit. In addition, students will develop the skills necessary to enter the workforce while preparing for postsecondary education or technical training.

A CTE program in Agriculture, General, can provide students the opportunity to earn college credit at selected technical schools and community colleges.

We have a specific articulation agreement with Delaware Valley University (see your school counselor for details).

Introduction to Agricultural Sciences

1 Credit

Introduction to Agricultural Sciences investigates the various disciplines of science involved in agriculture. Specific studies include the history of agriculture and society, food science and marketing of products in America's largest industry, soil science, plant science and animal science. This course is a springboard for other classes in the agriculture curriculum.

Note: This course may be used as either elective or science credit in meeting graduation requirements.

Agricultural Leadership

1 Credit

This course serves as an opportunity to develop basic leadership skills and student potential for premier leadership, personal growth and individual career success. Throughout this course, many personal and interpersonal leadership traits will be studied. Specifically, students will focus on understanding leadership and global citizenship, communication and speaking and leading individuals and small groups. Students will also have the opportunity to explore the many benefits of FFA and Supervised Agricultural Experience (SAE) and identify the many career opportunities available in agriculture.

Agribusiness Management

1 Credit

Prerequisite: 10th - 12th grade standing

This course has been designed to give students a basic understanding of what it takes to manage an agricultural business. This course allows students to combine economic principles of business with sales, management, and service skills. Students will identify basic economic and business principles used within the agricultural industry. Specific areas of study include economics, business management, market foundations, product marketing and sales and sales techniques. Students will also have the opportunity to advance their knowledge through hands-on experiences provided by the agricultural department.

Agriculture Cooperative Education Capstone

1 Credit

Prerequisite: Teacher recommendation only and completion of Agribusiness Management and course of study in either animal science or horticulture production operations

The Agriculture Cooperative Education Capstone program will provide students with an opportunity to gain on-site career experience with business and professional organizations in their chosen area of interest within agriculture. The student will work with their teacher and on-site supervisor to develop a series of learning objectives and tasks that must be completed throughout their experience.

Animal Science I**1 Credit**

Prerequisite: Introduction to Agricultural Sciences, Accelerated Biology, or teacher recommendation

This course provides a comprehensive look at both small and large animals with an emphasis on animal science and veterinary medicine. Students will develop their knowledge in the following content areas: breed identification, nutrition, reproduction, internal and external anatomy and genetics. Other content areas that will be discussed are proper selection and use, diseases, prevention and treatment methods and animal behavior and handling. As part of this course, students will have the opportunity to work with live animals to further enhance their learning.

Note: This course may be used as either elective or science credit in meeting graduation requirements.

Animal Science II**1 Credit**

Prerequisite: Animal Science I with a final grade of 75% or higher or teacher recommendation

This course provides a comprehensive look at production operations and management of both small and large animals. Students will develop their knowledge in production operations and management in the following content areas: management and production standards, care and handling, selection and use, technology, nutrition, reproduction, and disease prevention and treatment.

Certification Opportunities: Dairy Herd Management; Dairy Business Management

Note: This course may be used as either elective or science credit in meeting graduation requirements.

Floral Design**1 Credit**

This course is designed to provide students with the opportunity to design beautiful floral arrangements. Students in this course will focus primarily on the design/art aspects of floriculture as they learn various types of plant material, uses of plant material, styles of designs and applications of flowers. Students will also learn the general business management concepts to operate a floral business.

Fee: A \$35 project fee is required to create a seasonal floral arrangement.

Horticulture Production**1 Credit**

Prerequisite: Introduction to Agricultural Sciences with a final grade of 75% or higher or teacher recommendation

This course is designed to engage students in the overall production of plant material and production crops. Students will learn about the anatomy of plants and their reliance on environmental conditions for optimal health and production. Additionally, students will identify the role of crops and animal nutrition. Students will maintain and care for the production and management of greenhouse crops such as poinsettias, vegetables, fruits, house plants, and much more.

Certification Opportunities: Pennsylvania Certified Horticulturist (PCH) Associate credential.

Note: This course may be used as either elective or science credit in meeting graduation requirements.

Introduction to Equine**1 Credit**

This course will provide students with basic knowledge about horses and the equine industry. Topics will include basics on equine evolution, history of use, breed identification, tack and equipment identification, anatomy and physiology and career opportunities.

Landscape Design I**1 Credit**

In this course, students will be introduced to the landscape industry. Students will learn about the many components of the landscaping industry sector. Students will develop an eye for the identification of plant material. Additionally, students will learn design principles of effective and functional landscape design. Students will learn how to use drawing tools and become familiar with drawing landscapes to scale.

Landscape Design II**1 Credit**

Prerequisite: Landscape Design I with a final grade of 75% or higher, or teacher recommendation

In this continuation of Landscape Design I, students will continue to learn how to identify more complex plant species that are used in the landscape. Additionally, students will begin to draw more complex landscape designs. Students will be responsible for creating their own themed landscape design. Selection of softscape material and hardscape material should demonstrate student knowledge of landscape uses and requirements.

Certification Opportunities: Pennsylvania Certified Horticulturist (PCH) Associate credential.

Supervised Agricultural Experience (SAE)**0.5 Credit Per Semester**

Prerequisite: Introduction to Agricultural Sciences

This course is a self-initiated program, completed beyond the school day, for students continuing the supervised agricultural experience (SAE) project and utilizes work-based learning opportunities. Individual visitations may be made by the instructors to review project activities, review record-keeping, provide feedback and discuss career goals with the student and parent or employees. Students will be required to maintain their project book and keep accurate records of their activities including time on task, finances, photo journal, approved practices and leadership opportunities. Students may enroll in the course each semester.

Certification Opportunities: OSHA Certification - Agriculture

Art

Chairperson: Mrs. Stith
Department Members: Mrs. Dreves

Art classes are all hands-on, with outcome-based projects serving as the central method of learning. The Art Department offers visual and media arts, fine craft and art history courses geared toward production using a variety of modern and traditional tools and techniques. Students interested in a creative career or just sharpening creative thinking skills will have the opportunity to focus on top-notch design problem solving and projects suited for college entrance portfolio requirements, individual entrepreneurship and/or competitive, merit-based scholarships.

Art I - 2D

1 Credit

This course emphasizes the exploration of visual art in a variety of two-dimensional media and design. Students learn skills in drawing, painting, illustration, beginning animation, and printmaking while applying their learning of art history, the elements and principles of design, and art appreciation.

Note: Students are required to purchase a sketchbook and some drawing materials.

Art I - 3D

1 Credit

This course emphasizes the exploration of visual art in a variety of three-dimensional materials. Students will explore 3-D materials such as clay, paper, cardboard, wire, recycled materials, wood, and more. The elements and principles of art and design as well as art history will be emphasized in planning, creating, and critiquing original works of art, which utilize the techniques and processes of 3-D art and design.

Fee: A \$10 fee will be charged for materials.

Art I - Art Foundations

1 Credit

An introductory art course that includes foundational exploration of drawing, painting, sculpture, ceramics, graphic design, and mixed-media projects. Students will experience a comprehensive exploration of fundamental art techniques, principles, history, and materials.

Art II - Ceramics & Sculpture

1 Credit

Prerequisite: Art I

Students will experience the art of ceramics through hand-building, sculpting, wheel throwing, glazing, and firing methods. Students will further refine their skills with sculpture tools, materials, and techniques while developing and exploring cultural appreciation, art history, material management, and design processes. Students will create and produce various unique works of sculpture and ceramic art throughout this course.

Fee: A \$35 fee will be charged for materials.

Art II - Drawing & Painting

1 Credit

Prerequisite: Art I

Students investigate and expand technical skills in drawing and painting, as they develop their art portfolio and artistic perspective. Students will develop a deeper sense of their creative process as they work in a collaborative studio environment with an emphasis on advanced drawing techniques, experimental painting, conceptual development, portrait, and figure studies, art analysis, and critique, art history, and current trends in art.

Art II - Jewelry & Metal Craft**1 Credit**

Prerequisite: Art I

Students learn to use traditional jeweler's tools and techniques to form and fabricate unique pieces of wearable art jewelry and small-scale metal sculpture. Specific skills addressed include soldering, cold connections, chain making, wire fabrication, stone setting, and enameling, while addressing art history within a creative studio art environment.

Note: A sketchbook and tool kit are required. The tool kit is available for purchase at a wholesale price of approximately \$50.

AP 2-D Art and Design**1 Credit**

Prerequisite: Completion of at least one Art II level course or teacher recommendation based upon portfolio

A hands-on course designed for the sophisticated art student seriously interested in the practical experience of studio art. Students are expected to develop a strong technical 2-D portfolio consisting of 15-20 original artworks. The completed portfolio serves as the AP Exam. It may also fulfill college entrance portfolio requirements.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

AP 3-D Art and Design**1 Credit**

Prerequisite: Completion of at least one Art II level course or teacher recommendation based upon portfolio

A hands-on course designed for the sophisticated art student seriously interested in the practical experience of studio art. Students are expected to develop a 3-D portfolio consisting of 15-20 original artworks concentrated on a theme or specific area. The completed portfolio serves as the AP Exam. It may also be used in the college admissions process.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

AP Drawing**1 Credit**

Prerequisite: Completion of at least one Art II Level course or teacher recommendation based upon portfolio

A hands-on course designed for the sophisticated art student seriously interested in the practical experience of studio art. Students are expected to develop a drawing portfolio with a specific theme or area of interest consisting of 15-20 complete, original artworks. The completed portfolio serves as the AP Exam. It may also be used in the college admissions process.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Business and Computer Information Technology

Co-Chairpersons: Mrs. Osmolenski and Mr. Wadel

Department Members: Mr. Donahue, Mr. Kluck, and Mrs. Ramsburg

The United States is unique in the world because of its “free enterprise” system and the dream that any person may become a success. The Business and Computer Information Technology Department offers courses that provide students with the necessary skills, attitudes, and knowledge that help ensure this success.

* Programs of Study (POS) in Communications, Accounting, and Administrative Assistant and Secretarial Sciences provide students the opportunity to earn college credit at selected technical schools and community colleges. A complete list of colleges participating in the statewide articulation program can be found at www.collegetransfer.net.

* You can learn more about Pathways in the GAHS Career Pathways and Programs of Study Document found on page 6.

* Programs of study include a scope and sequence that spans two years, requiring 4 courses (minimum) in a chosen pathway.

CHS Accounting I

1 Credit

Prerequisite: 10th - 12th grade standing.

If you plan to major in any area of business in college (most colleges recommend one, if not two, accounting courses as a background for business majors), to own your own business, or to maintain financial records in your daily life, you should consider taking Accounting I. This course will provide students with a foundation for both personal and business recordkeeping methods. Students will study the accounting cycle through recording business transactions, preparing and interpreting financial statements, processing payroll, and completing banking procedures. A hands-on business simulation will be completed during this course.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with Carlow University to offer ACC 104. The course fee for the 25-26 academic year was \$225.00. Financial assistance may be available.

CHS Accounting II

1 Credit

Prerequisite: Completion of Accounting I with a grade of 75% or higher.

Eighty-five percent of small businesses use QuickBooks as their primary accounting software, and four out of five accountants recommend it to their small-business clients. So why not get certified while you’re in high school? Some colleges even recognize the certification through the American Council on Education (ACE) and offer college credits. Get Intuit certified TODAY and graduate with certifications in Design Delight Innovator, Bookkeeping Professional, and QuickBooks.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with Carlow University to offer ACC 205. The course fee for the 25-26 academic year was \$225.00. Financial assistance may be available.

Certification Opportunities: QuickBooks

Business Basics

1 Credit

This course is designed to prepare an individual for the ever-changing demands of the business world. Students will learn about the FBLA (Future Business Leaders of America) organization. They will build a business plan which provides concepts and practices relevant to the real world. Additional topics include: economics, management, human resources, production, and international trade. When possible, meaningful connections will be made from one project to the next.

Business Law

1 Credit

Prerequisite: 11th or 12th grade standing

This course is designed to give students an understanding of how law governs business and individuals in our society. This is an excellent introduction to college-level Business Law and is also helpful to students pursuing careers as an attorney, owning their own business, entering the law enforcement field, and for learning more about personal/business contracts (e.g., rental agreement).

CHS Intro to Business**1 Credit**

Prerequisite: 11th or 12th grade standing

This course introduces students to the broad field of business. The course covers an overview of the basic functions of business including management, marketing, finance, accounting, and human resources. The course also introduces students to basic economic systems and discusses the importance of ethics and corporate social responsibility to business success.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with HACC to offer BUSI 101. The course fee for the 25-26 academic year was \$250.50. Financial assistance may be available.

Entrepreneurship**1 Credit**

Do you want to be your own boss someday? Entrepreneurs have played a vital role in the development of this country. The willingness of such people to innovate, take risks, and devote themselves to building a business has been the stuff of legends and heroes. This course will discuss the theory and reality of entrepreneurship. Students will create a business plan, and also be involved in hands-on projects to innovate products.

Marketing Essentials**1 Credit**

Prerequisite: 10th - 12th grade standing

Product...Place...Price...Promotion...Did you know they affect your buying habits? This course covers the functions involved in the marketing of consumer goods to their users. Project based learning is utilized to show practices from the business world. Students will learn and apply basic marketing skills and strategies through the management of the school store.

Marketing Management**1 Credit**

Prerequisite: Marketing Essentials and/or Entrepreneurship

Marketing skills will be applied from the previous course to enhance the buyer's experience in the school store. Marketing management refers to internal activities that keep the marketing process maximized and moving forward. Students will be responsible for the ordering products related to the school store, and marketing the products to the correct target market. Students may also work with other groups, organizations, and teams throughout the school on marketing campaigns.

Career Development and Decision Making**1 Credit**

Prerequisite: 12th grade or teacher recommendation

This is a personalized, interaction-based course that utilizes short lectures, group exercises, personal assessments, audio-visual aids, and field interviews. Students will explore the process of career and decision-making through World-of-Work exploration, self-awareness, occupational research, and goal setting. Students will receive an OSHA certification.

Personal Finance**.5 Credit**

Scheduled simultaneously with 12th grade PE

This course will help you learn how to use your personal financial resources to enjoy today and be financially secure tomorrow. Many young people fail in the management of their first consumer credit experience, establish bad financial management habits, and stumble through their lives learning by trial and error. Students will explore financial concepts such as money management, the tax system, buying or leasing a car, consumer credit and debit cards, banking, investing, and insurance. This course is a graduation requirement for all students.

Computer Information Technology

Introduction to Computer Programming

1 Credit

Prerequisite: 10th - 12th grade standing (Alg 1 proficiency recommended)

The demand for computer programmers continues to grow. This course will help students determine whether this career is suited to them and will introduce them to multiple programming languages. Begin by completing simple programs and completing the course with understanding more complex operations.

Advanced Computer Programming

1 Credit

Prerequisite: Introduction to Computer Programming

This course is a continuation of Introduction to Computer Programming. Students will use hands-on projects to analyze a problem, design and code a program, and test and debug the program in order to formalize a solution. Languages used will be C, Java, and other possibilities.

CHS Intro to Software for Business

1 Credit

Prerequisite: 11th or 12th Grade standing. Working knowledge of computer operations. Placement Testing

This hands-on, project-oriented course provides a fundamental understanding of computers and familiarizes students with the interaction of computer hardware and software. Emphasis is placed on the use of microcomputers and software applications, including Word, Excel, Access, and PowerPoint. Students must meet the same requirements as those college students taking the course on the college campus.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with HACC to offer CIS 105. The course fee for the 25-26 academic year was \$250.50. Financial assistance may be available.

Microsoft Office Associate

1 Credit

Microsoft Office training is the 3rd most requested skill for jobs. This course will allow students to get certified in Microsoft Office, by learning skills in Word, PowerPoint, Excel and Access. The course includes practice tests to prepare students for the certification exam. This is a great way to build your resume and open the door to more opportunities in your future!

Certification Opportunities: Microsoft certification opportunities

Microsoft Office Expert

1 Credit

Prerequisite: Microsoft Office Associate course completion with Associate Certificate

This course is a hands-on, project-oriented course covering the advanced features of Microsoft Office Word, Excel, and Access. Students will be provided with practice tests to prepare them for the Expert level certification exam.

Certification Opportunities: Microsoft certification opportunities

Web Design

1 Credit

The demand for web designers continues to grow. The course will help you decide if this career is suited for you. Learn how to program in HTML and Dreamweaver using hands-on projects. Create simple web pages and move along to a cascade style sheet (CSS) finishing up with using Javascript and more advanced concepts.

Career and Advisory

Department Members: Mr. Kluck and Mrs. Ramsburg

The vision of GAHS is to ensure that all learners have access to a rigorous curriculum of experiences that will develop into a personally relevant pathway to future success. These courses explore student interests, career aspirations and job-related skills.

Career Internship/Teacher Assistant

1-2 Credits

Prerequisite: 11th or 12th grade standing

Students in 11th and 12th grade may arrange an internship or teacher assistant placement off-campus work sites related to their career goals and earn one credit upon the successful completion of the program. As a Pass/Fail course, the credit is EXCLUDED from grade point average calculations.

Note: Students are required to see the Career Coordinator or their School Counselor for paperwork to schedule this course. Students will be required to meet with the Career Coordinator prior to starting their internship to ensure all paperwork is complete.

Transition to Work

1 Credit

Prerequisites: 12th grade standing and administrative approval

Students in 12th grade may arrange a Transition to Work (Co-op) off-campus placement, and earn 1 credit for the successful completion of the program. This is a pass/fail course, and the credit is excluded from grade point average calculations.

Note: Prior to submitting this Transition to Work form, you should have already secured employment. Students will be required to meet with the Career Coordinator prior to starting their Transition to Work placement to ensure all paperwork is complete.

Freshman Advisory and Career Exploration

.5 Credit

Scheduled simultaneously with 9th grade PE

Students will explore the ever-changing workforce by looking at career acquisition, awareness, and preparation, while learning how to connect their personal interests and skills to career opportunities for the future. Students will explore career pathways and opportunities available at GAHS and begin to make career and educational goals for life postsecondary. This course is a graduation requirement for all students.

Career and Technology

Chairperson: Mr. Licharowicz

Department Members: Mr. Colgan, Mr. Deckert, Mr. Hardy, Mrs. Smith, and Mr. Sokol

The Career and Technology Department offers a wide variety of courses, which provide students with the chance to demonstrate knowledge and skills through real-life applications. Teachers in the department maintain close ties with business and industry to ensure courses reflect current marketplace expectations. Students may select a single course from this department or complete an entire series of courses. Students who enroll in one or more of the courses will develop entry-level job skills or prepare for postsecondary education or technical school training.

Programs of Study (POS) in Communications or Engineering provide students with the opportunity to earn college credit at selected technical schools and community colleges. A complete list of participating colleges in the statewide articulation program can be found at collegetransfer.net.

Photographic Technology I

1 Credit

This course is designed to give students a basic understanding of contemporary photographic technology. Photographic Technology I provides opportunities for students to practice common procedures such as producing contact prints, enlarging photographs, and finishing procedures. Additionally, the course introduces students to digital photography and its uses and applications in modern photography and the field of information management.

Note: This course qualifies as a prerequisite for *Yearbook/Publications* or *Photographic Technology II*.

Fee: A \$15 materials fee is required for this course.

Photographic Technology II

1 Credit

Prerequisite: Photographic Technology I with a grade of 75% or higher

This course reviews, emphasizes, and builds upon the skills learned in *Photographic Technology I*. Students participate in weekly photographic assignments and design challenges to improve their problem-solving abilities in camera handling, exposure control, composition, digital imaging, and visual presentation. Students have dedicated time to pursue their primary area of interest, with a strong emphasis on producing a professional-quality portfolio. Personal photographic equipment is required.

Note: This course qualifies as a prerequisite for *Yearbook/Publications* or *Independent Study*.

Fee: A \$20 materials fee is required for this course.

Yearbook and Publications I

1 Credit

Prerequisite: Photo Tech I or Graphic Communications I with a grade of 75% or higher

Students in this semester course will learn and apply the knowledge and skills involved in all phases of creating, producing, advertising and distributing *GASD Elementary School yearbooks*, *Warrior Cannon-Aid*, and the monthly newspaper *Maroon and White*. Students should have a basic knowledge of Adobe InDesign CC and Adobe Photoshop CC. Students will schedule layouts, capture and edit photographs, solicit advertisements, plan yearbook sales campaigns, and distribute the Cannon-Aid yearbook publication. In addition, they will obtain sports statistics and student activity information, meet deadlines, and use Adobe CC software to produce a high-quality publication.

Yearbook and Publications II

1 Credit

Prerequisite: Yearbook and Publications I, and one of the following Photo Tech I, Yearbook/Publications I, or Graphic Communications I with a grade of 75% or higher

Students in this semester course will learn and apply the knowledge and skills associated with all phases of creating, producing, advertising and distributing *GASD Elementary School yearbooks*, *Warrior Cannon-Aid* and the monthly newspaper *Maroon and White*. Students will further develop layout and design skills using Adobe InDesign and have access to classroom cameras to capture event photos. They will also learn to manage and edit photos with Adobe Photoshop and Adobe Lightroom.

Graphic Communications I

1 Credit

Graphic communications means the exchange of information in visual form through the use of text, illustrations, photographs, or a combination of these. In Graphic Communications I, students will learn and incorporate the basics of graphic design and layout using Adobe InDesign, Adobe Illustrator, and Adobe Photoshop. Students will explore the fundamentals of graphic design, the elements and principles of design, digital imaging, desktop publishing, typography, screen printing, and vinyl printing and cutting. Graphic Communications I is one of the core courses for the Communications Program of Study.

Fee: A \$10 materials fee is required for this course.

Graphic Communications II

1 Credit

Prerequisite: Graphic Communications I

Graphic Communications II builds on the basic processes and procedures developed in *Graphic Communications I*. Students will use graphic design industry-standard software, such as Adobe InDesign, Adobe Illustrator, and Adobe Photoshop to create professional-quality computer graphic designs, graphic layouts, and three-dimensional computer design projects. Advanced techniques in digital design and layout, color separation, and production processes will be used. Production level printing processes in screen printing techniques and vinyl printing and cutting will be explored.

Fee: A \$15 materials fee is required for this course.

Certification Opportunity: Adobe Illustrator and/or Adobe Photoshop

TSA Graphic Production

1 Credit

Prerequisite: Graphic Communications I and teacher recommendation

Students participating in TSA Graphic Production will design, lay out, and mass-produce graphic images using screen printing processes and industry-standard vinyl printing and cutting techniques. Students function as members of the Technology Student Association leadership core, while exploring the basic concepts of graphic production processes. Students will follow contemporary business practices of marketing, sales, financial record-keeping, design, production, and distribution. Students will have the opportunity to enter one of the TSA regional communication competitions in January

Multimedia I

1 Credit

Students will become familiar with and explore production tools, roles, skills and processes used in multimedia. They will perform production roles, develop hardware and software skills, apply production processes, and assimilate multimedia literacy. Students develop web and DVD portfolios to showcase their growth in computer technologies, animation, software presentation, video productions, and television productions.

Fee: A \$10 materials fee is required for this course.

Multimedia II

1 Credit

Prerequisite: Multimedia I with and 75% or higher

Students analyze and critique multimedia structures while developing and refining competencies within media production tools, roles, skills and processes. They continue to build a professional web and DVD portfolio showcasing their growth. The course will emphasize leadership, project management, classic Hollywood editing, message delivery, special effects, and studio interviews and production. Students are required to perform production activities after the school day

Fee: A \$10 materials fee is required for this course.

Advanced Multimedia**1 Credit**

Prerequisite: Multimedia II with and 75% or higher

Students will research, analyze, and critique multimedia structures, production tools, roles, skills, occupations, and processes. Individually directed learning and production styles are nurtured. Students perform leadership roles and manage productions associated with television, video, animation, computer presentations, CD/DVD, web productions, and media distribution. They continue to develop a professional web and DVD portfolio that highlights their growth. Students are required to perform production activities after the school day.

Fee: A \$10 materials fee is required for this course.

Film and Studio Production I**1 Credit**

Prerequisite: Multimedia I and/or Teacher Recommendation

This course is designed to provide students with real-life work experience while heightening awareness of the influence that visual media has on our lives. Focusing on the actual production of a show and film every student will perform job-specific roles such as producer, screenwriter, director, production designer, cinematographer, editor, and talent/actor to prepare them for the various fields in film. Students will create short films, documentaries, transmedia, and be directly responsible for the weekly production of the school studio.

Fee: A \$10 materials fee is required for this course.**Certification Opportunity:** Adobe Premiere Pro

Film and Studio Production II**1 Credit**

Prerequisite: Film and Studio Production I with an 75% or higher

This course is designed to provide students with real-life work experience while heightening awareness of the influence that visual media has on our lives. Focusing on the actual production of a show and film every student will perform job-specific roles such as producer, screenwriter, director, production designer, cinematographer, editor, and talent/actor to prepare them for the various fields in film. Students will create short films, documentaries, transmedia, and be directly responsible for the weekly production of the school studio. Students in this course will be working to create original sound through the use of foley art.

Fee: A \$10 materials fee is required for this course.**Certification Opportunity:** Adobe Premiere Pro

Advanced Film and Studio Production**1 Credit**

Prerequisite: Film and Studio Production II with an 75% or higher

This course is designed to provide students with real-life work experience while heightening awareness of the influence that visual media has on our lives. Focusing on the actual production of a show and film every student will perform job-specific roles such as producer, screenwriter, director, production designer, cinematographer, editor, and talent/actor to prepare them for the various fields in film. Students will further their learning by collaborating with industry professionals when creating their productions. Students in this course will be expected to work primarily in Adobe After Effects and Animate to create and accent work for Adobe Premiere.

Fee: A \$10 fee will be charged for materials.**Certification Opportunity:** Adobe Premiere Pro

Immersive Video Game Design I

1 Credit

Prerequisite: Graphics Communications I or Multimedia I and/or Teacher Recommendation

This course focuses on the creation of an immersive video game. Students will use basic computer programming to design and code characters to complete an elaborate, multi-stage, storyline with multiple outcomes within virtual reality software. Students in this course will learn the basics of coding, graphics, storyboarding, video game design, marketing, as well as career expectations.

Certification Opportunity: Adobe Premiere Pro

Immersive Video Game Design II

1 Credit

Prerequisite: Immersive Video Game Design I with an 75% or higher

This course focuses on the creation of an immersive video game. Students will use basic computer programming to design and code characters to complete an elaborate, multi-stage, storyline with multiple outcomes within virtual reality software. Students will be expected to leverage 3D character programs as well as programs in the Adobe Suite to personalize characters and animation. Students in this course will learn the basics of script coding, building 3D graphics, using grids and planes, as well as career expectations for the field.

Certification Opportunity: Adobe Premiere Pro

Advanced Immersive Video Game Design

1 Credit

Prerequisite: Immersive Video Game Design II with an 75% or higher

This course focuses on the creation of an immersive video game entirely from scratch. Students will use advanced computer programming to design and code characters to complete an elaborate, multi-stage, storyline with multiple outcomes within virtual reality software. Students in this course will learn how to incorporate obj and fx packages into third party gaming platforms while creating their own 3D graphics from the ground up in programs like Blender. Students will also focus on marketing as well as career expectations of the field.

Certification Opportunity: Adobe Premiere Pro

Computer Aided Drafting and Design

1 Credit

This is a Level 1 Course for Engineering POS

ComputerAided Drafting and Design (CADD) is designed to introduce students to the field of engineering through drafting and design. A variety of drawings will be completed using CADD. Students will study and apply sketching techniques and drafting concepts while using AutoCAD to develop multiview and pictorial drawings. Students will learn how to create three-dimensional models and assemblies using solid modeling software. Students will also receive exposure to basic engineering concepts through computer software simulation tools. In addition, students will experience 3D printing and CNC (Computer Numerical Control) machining. Career options in engineering, computer-aided design, and related fields will be discussed.

Note: This course qualifies as a prerequisite for Mechanical Drafting and Design, Electronics Technology, TSA Manufacturing, TSA Robotics Engineering, and Introduction to Geographic Information Systems (GIS) / FAA 107 Drone Certification.

Architectural Drafting and Design

1 Credit

Architectural Drafting and Design includes the study and design of residential structures. Students will explore various types of home designs and construction methods. Autodesk Revit will be used in the production of floor plans, elevation plans, wall sections, and other types of drawings required for the complete design of modern homes. Students will also have the opportunity to develop a three-dimensional, computer-aided walkthrough of the home they design.

Mechanical Drafting and Design

1 Credit

Prerequisite: Computer Aided Drafting and Design

Mechanical Drafting and Design is an advanced drawing and design course that builds upon the skills and knowledge attained in *Computer Aided Drafting and Design (CADD)*. Students learn to accurately use solid-modeling software to design, test, and create prototype parts and assemblies. They are introduced to various fasteners and their functions in assemblies. Students will also be introduced to computer numerical control (CNC) and 3D printing which they use to manufacture components for a team design project. Students will also receive exposure to engineering concepts through computer-simulation tools.

Note: This course qualifies as a prerequisite for TSA Manufacturing.

Engineering and Design

1 Credit

Prerequisite: This is a Level 1 Course for Engineering POS

Engineering and Design explores how things are made and how they work. It is an introduction to the human made world through a variety of hands-on projects applying Science, Technology, Engineering and Mathematics (STEM). Students use computers, tools and machines to design and construct projects such as toy cars, rockets, steam boats, bridges, and small lights. The course provides a formal introduction to technology, the ways in which people use tools, resources, information, and “know-how” to solve practical problems. Emphasis is placed on the technological design and problem solving process with an engineering perspective. Students explore the contributions and impacts of technology, modern manufacturing, as well as career opportunities in technical and engineering fields.

Note: This course qualifies as a prerequisite for TSA Manufacturing.

Fee: A \$20 lab fee is required for this course.

Electronics Technology

1 Credit

Prerequisite: 10th - 12th grade standing

This is an introductory course on the basic fundamentals of electricity and electronics. Students use circuit training labs with a variety of electrical tools and electronic measuring devices to build and understand electronic circuits. Course concepts are explored through simulation software, prototyping circuits, and printed circuit board projects. Students will also construct and take home small electronic kits. This course would be useful for any student planning a career in electrical or electronics related fields. The content is core to an engineering foundation.

Fee: A \$20 lab fee is required for this course. Additional fees may apply to choice projects.

Certification Opportunity: Snap-on Multimeter

Digital Electronics and Devices

1 Credit

Prerequisite: Electronics Technology, Algebra 2 or higher, Trigonometry (recommended)

Digital Electronics and Devices is the second level study of electronic technology. This course examines the fundamentals of electronic circuits and devices used to detect, process, and control electrical signals. The course continues the study and application of semiconductors and linear electronic circuits introduced in Electronics Technology. It also introduces students to digital concepts and circuitry used in automation, mechatronics, robotics, computers and telecommunication systems. Students will work individually and collaboratively on project-based labs, computer simulations, and hands-on robotic activities. Upon completion students would be prepared to take the optional Student Electronics Technician certificate exam.

Fee: A \$20 lab fee is required for this course.

TSA Manufacturing

1 Credit

Prerequisite: 11th or 12th grade standing; Computer Aided Drafting and Design (CADD) + Materials Processing I and one or more of the following: Mechanical Drafting and Design, Engineering and Design, or Materials Processing II

TSA Manufacturing builds upon the knowledge and skills acquired in *Mechanical Drafting and Design*, *Materials Processing 1* and *Engineering and Design*. Students function as members of the Technology Student Association leadership core, while exploring the basic concepts of manufacturing to understand, develop and operate several manufacturing systems that create real products. Through lecture, classroom activities, and close ties to the local manufacturing industry, students will be introduced to production engineering, planning and control, computer aided design and manufacturing, Total Quality Management, ISO standards, and Lean manufacturing.

Certification Opportunity: OSHA 10 Hour General Industry Training Certification

TSA Robotics Engineering

1 Credit

Prerequisite: 11th or 12th grade standing; Computer Aided Drafting and Design (CADD) + Materials Processing I and one or more of the following: Mechanical Drafting and Design, Engineering and Design, or Materials Processing II

The Technology Student Association (TSA) fosters Science, Technology, Engineering and Mathematics (STEM) Education through personal growth, leadership, and opportunities in Technology, Innovation, Design, and Engineering (TIDE). TSA Robotics Engineering is a specific STEM/TIDE leadership course for 10th - 12th grade students who are interested in the design, engineering, and programming of robots and associated careers. They focus on the construction and programming of autonomous mobile robots in a lab based hands-on setting. The course follows Autodesk's VEX Robotics Curriculum using a variety of activities to build and test increasingly more complex mobile robots on the VEX EDR & VEX V5 ROBOTICS Design platforms.

Note: Students are required to compete as a team with their robots at one public robotic design competition. All competitions occur outside of the regular school day.

Introduction to Drone Technology

1 Credit

Prerequisite: 11th or 12th grade standing. Students must be 16 years of age or older by the course's conclusion to be eligible for certification. No prior experience with drones is required.

This course provides an introduction to drone technology and its expanding role across various industries, including architectural design, construction management, agriculture, and forensic sciences. Students will explore how drones are revolutionizing data collection and analysis methods, enhancing current techniques, and expanding capabilities in these fields. Topics include drone safety, data collection instrumentation, analysis software, and hands-on flight operations.

Certification Opportunity: The course also prepares students for the FAA Part 107 certification, which is a requirement for commercial drone operation in the U.S. The certification exam is optional, and students are responsible for the exam fee of \$165. Students must be at least 16 years of age to be eligible for certification. Financial assistance may be available for the FAA Part 107 certification exam. **CHS Opportunity:** Option to earn three/four college credits from Harrisburg University.

Introduction to Geographic Information Systems (GIS) / FAA 107 Drone Certification

1 Credit

Prerequisite: CADD or Architectural Drafting and Design

Students will learn to use GIS to produce high-quality maps that expose complex spatial information and relationships in a clear and easy-to-understand display. Cartographic concepts and techniques, used to create not only hard copy printed maps but also prepare cartographic data for modern devices such as web pages and digital media, are explored. The course emphasizes laboratory work and a final project that uses GIS from an initial map concept, through data collection and analysis, to a final product. Students will explore the use of drones as related to GIS and civil engineering and prepare to take the FAA 107 certification exam.

Certification Opportunity: FAA 107 Drone Certification

CHS Opportunity: Option to earn three/four college credits from Harrisburg University.

Note: Students must be 16 years of age or older by the end of the course to be eligible for the FAA 107 Certification. The FAA 107 Exam is optional and students are responsible for the fee of approximately \$165. Financial assistance may be available.

Materials Processing I**1 Credit**

This is a Level 1 Course for Engineering POS

In this beginning course in the materials area, students will design and build a project from start to finish, learning how to safely and properly use all types of tools in the lab, including hand tools, portable power tools, and large stationary power tools. Students will learn a number of production and manufacturing techniques, and a variety of materials will be available for use. Concepts being taught will include cutting, drilling, sanding, finishing and project design in both wood and plastics, and students will have access to an assortment of tools for learning. A project or projects will be required.

Note: This course qualifies as a prerequisite for TSA Manufacturing.

Fee: A cost will be incurred for materials for the project or projects of approximately \$30.

Materials Processing II**1 Credit**

Prerequisite: Materials Processing I with a recommended grade of 75% or higher in all prerequisites and/or teacher recommendation

This course expands upon the experiences students received in *Materials I*. Students will continue to develop their skills and learn new techniques based upon the projects that they choose to design and construct. More advanced techniques and procedures will be taught, and students will have a better understanding of the complex systems involved in the manufacturing and production processes. Students will choose (with instructor approval), design and construct projects using the skills and techniques taught in this course, as well as previous classes within the materials path. A project or projects will be required.

Fee: A cost will be incurred for project materials; the amount will vary per student.

English

Chairperson: Ms. Ridinger

Department Members: Ms. Baker, Mrs. Bales, Mrs. Deckert, Ms. Glover, Mrs. Marconi-Bowman, Mrs. Petroccia, Dr. Roper, and Mr. Turner

The English curriculum for grades 9-12 integrates language study and real-world experiences through reading, writing, speaking, listening, research, and critical thinking. The English program is designed to teach our students to read critically, to write with clarity and coherence, and to develop discerning listening and viewing skills. Reflecting the individual differences and learning needs of students, the English program stresses the need for independent reading and technology-rich learning experiences. The English Department utilizes various methods of assessment consistent with the goals of the Pennsylvania State Keystone Standards.

9-10 Course Options In English

World Literature 9

1 Credit

The course is the study of world literature through the lens of literary genres: short stories, poetry, drama, nonfiction, and the novel. Students focus on an integrated approach to language arts skills by connecting the literature selections to reading comprehension, vocabulary, grammar, mechanics, writing, and critical thinking activities. The writing process model is used throughout the course to concentrate on the narrative, informative, and persuasive styles of writing.

Accelerated World Literature 9

1 Credit

Prerequisite: A score of proficient or better on the 8th grade ELA PSSA Exam or a recommendation from the 8th grade English teacher

This course provides an accelerated approach to the study of world literature through the lens of literary genres: short stories, poetry, drama, nonfiction, and the novel. Students focus on an integrated approach to language arts skills by connecting the literature selections to reading comprehension, vocabulary, grammar, mechanics, writing and critical thinking activities. The writing process model is used throughout the course to concentrate on the narrative, informative, and persuasive styles of writing.

American Literature 10

1 Credit

Prerequisite: World Literature 9 or Accelerated World Literature 9

This course involves the study of American literature and emphasizes skills acquisition and practice. Through the study of fiction and nonfiction texts, students will develop and practice their skills in reading comprehension, literary analysis, and rhetorical analysis, and vocabulary in addition to writing, vocabulary, and critical thinking skills to prepare students for the Literature Keystone Exam and beyond.

Note: Students are required to take the state Literature Keystone Exam at the end of the course.

Accelerated American Literature 10

1 Credit

Prerequisite: A grade of 75% or higher in World Literature 9 and a recommendation from the previous year's English teacher

This accelerated course emphasizes the study of American literature with a focus on skill acquisition and practice. Through the study of fiction and nonfiction texts, students will develop and practice their skills in reading comprehension, literary analysis, and rhetorical analysis, and vocabulary in addition to writing, vocabulary, and critical thinking skills to prepare students for the Literature Keystone and beyond.

Note: Students are required to take the state Literature Keystone Exam at the end of the course.

AP English Seminar 10**1 Credit**

Prerequisite: A grade of 75% or higher in the previous year's English course and a recommendation from the previous year's English teacher

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. In May, AP students take a national exam that can earn them up to three college credits.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Note: Students are required to take the state Literature Keystone Exam at the end of the course.

11-12 Literature Term Course Options In English

Modern Novels**.5 Credit**

Prerequisite: World Literature 9 and American Literature 10

This course will focus on the development of critical thinking, writing, reading, speaking, and listening skills through the structured analysis of up to four required contemporary texts, fiction and nonfiction. Students will use a variety of communication modalities to respond to the novels. Supplemental texts, such as short stories, plays, film, and poetry may be added to support the reading of the core novels. This course meets the literature requirement for 11th and 12th grade students.

Monster Stories**.5 Credit**

Prerequisite: World Literature 9 and American Literature 10

In this course, students will read and analyze stories exploring everything scary from epic monsters to creepy Gothic romances to scary dystopian societies. Through these unsettling literary selections, students will continue to develop and refine a variety of skills, including close reading and analysis of literary elements in a variety of genres: the novel, short story, and poetry. Students will explore a variety of multimodal techniques as ways to respond to the literature. This course meets the literature requirement for 11th and 12th grade students.

Multicultural Literature**.5 Credit**

Prerequisite: World Literature 9 and American Literature 10

Explore some of the diverse cultures that exist in the United States. What is the history behind different cultures or ethnic groups? What are the experiences? How, and to what extent, have they assimilated into mainstream U.S. culture? What misunderstandings have arisen because of cultural differences? Through the use of literature and film, we will reflect on how experiences of immigration, assimilation, and marginalization have influenced the experiences of individuals and groups. We will examine how different realities and values shape our perception of the world and of each other. This course will focus on understanding and connecting to the messages within the literature, including short stories, poems, films, nonfiction, and novels from the non-traditional literary canon. This course meets the literature requirement for 11th and 12th grade students.

Creative Writing and Publications**.5 Credit**

Prerequisite: World Literature 9 and American Literature 10

This course is designed to expose students to the various forms of creative writing, including expository, descriptive, convincing, and narrative writing. Students in this course will have the opportunity to write their own short stories, scripts, poems, speeches, and vignettes as if they were the author of their own book, blog, podcast, newspaper, or digital magazine. In this course, students will also have the opportunity for interdisciplinary collaboration in publishing software such as Adobe InDesign. Students who are interested in a career in some aspect of authorship, publishing, or mass communication should consider taking this course. This course meets the writing requirement for 11th and 12th grade students.

Professional and Technical Writing**.5 Credit**

Prerequisite: World Literature 9 and American Literature 10

This course focuses on building professional and technical writing and communication skills needed in many vocational, science, and engineering fields. APA format will be used. Employers require individuals who can communicate ideas and concepts clearly, ethically, and with authority. Students taking this course will be able to build their communication skills in preparation for employment in a trade, technical, or engineering field as they apply writing and communication skills to real-world scenarios. This course meets the writing requirement for 11th and 12th grade students.

Writing to Persuade**.5 Credit**

Prerequisite: World Literature 9 and American Literature 10

Do you want to learn how to effectively survive a zombie apocalypse using your persuasive skills? Do you want to become a baloney detective: someone who tracks down and investigates the criminally illogical and misleading messages that you encounter in your online and real life? Do you want to better understand how the brain works and the connections between our biology and how our brains approach communication? If so, Writing to Persuade could be a meaningful course where you can build, write, and share persuasive arguments that communicate your opinions on a variety of relevant real-world subjects and issues. Through analysis and evaluation of mentor texts in nonfiction, including essays, speeches, and images, you will understand and implement a variety of rhetorical moves, strategies, devices, and stylistic choices to optimize your influence as a persuader. This course meets the writing requirement for 11th and 12th grade students.

11-12 Literature AP and CHS Options in English

AP English Language and Composition**1 Credit**

Prerequisite: Keystone Literature score of proficient or better and a recommendation from the previous year's English teacher

AP English Language and Composition is a rigorous, college-level course that provides students with the opportunity to study writing—essays, philosophy, and even fiction—through the lens of rhetoric. In this course, students are asked to think critically, develop and revise their own arguments, and read like a writer. This course encourages discussion, analysis, and debate around a variety of rhetorical texts. AP Lang is for all students building an especially rigorous transcript and for those interested in pursuing any field of study—not just future humanities majors, including law, the sciences, psychology, politics, business, and a variety of other writing-oriented fields. In May, AP students take a national exam that can earn them up to three college credits.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Note: This course requires the completion of a pre-course assignment. Failure to complete this assignment will result in a grade penalty at the beginning of the semester.

AP English Literature and Composition**1 Credit**

Prerequisite: Keystone Literature score of proficient or better and a recommendation from the previous year's English teacher

AP English Literature and Composition is a rigorous, college-level course that provides the opportunity for intensive, reflective, and analytical approaches to a wide variety of literature. The course will emphasize and promote improved written and verbal communication skills necessary at the college level and beyond. This course encourages college-level discussion, analysis, and debate about literary selections. AP Lit is a good fit for students who want an especially rigorous college transcript. Students can also take AP Lit to receive credit for freshman writing courses. In May, AP students take a national exam that can earn them up to six college credits.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Note: This course requires the completion of a pre-course assignment. Failure to complete this assignment will result in a grade penalty at the beginning of the semester.

CHS English Composition I**1 Credit**

Prerequisite: 11th or 12th grade standing

This college-level course will focus on the development of fluency in writing clear, forceful, effective prose and reading and responding to texts of various forms in an academic manner. Students will demonstrate their ability to recognize and use various writing strategies, including narration, description, comparison and contrast, analysis, definition, and argumentation for specific tasks and audiences.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with HACC to offer ENGL 101. The course fee for the 25-26 academic year was \$250.50. Financial assistance may be available.

CHS Eligibility: GAHS GPA 3.0 or Higher, PSAT EBR 450 or above, SAT EBR 480 or above. If a student does not meet one of the multiple measures they MUST take an online English assessment. If the student does not meet the required assessment score they must take the HACC Accuplacer reading/writing placement test.

CHS English Composition II**1 Credit**

Prerequisite: 11th or 12th grade standing. CHS English 101 with a grade of 75% or higher

This college-level course builds on *CHS English Composition I* with an emphasis on building connections to thinking, reading, writing, research, interpretation, and argumentation. This course will include exploring the school library resources to research and produce five to six informative or persuasive research essays. Students will be guided through the process of developing well-supported informative, argumentative, or analytical essays, which will include locating and evaluating sources, note-taking, and narrowing the topic through the construction of annotated bibliographies. Students will generate a thesis, create an outline, and write a well-documented research paper following both MLA and APA guidelines.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with HACC to offer ENGL 102. The course fee for the 25-26 academic year was \$250.50. Financial assistance may be available.

CHS Eligibility: Grade of C or better in ENGL 101, or an *AP English Language and Composition* Score of 3 or better.

Elective Course Options In English

These courses will not count towards the four required English credits.

Journalism/Publications I-IV

1 Credit

Students will study all aspects of print and broadcast journalism, including history, law, and ethics, the role of the media in society and in schools, and the importance of a responsible press. Students will examine current events through the use of daily newspapers and the available online journalistic outlets. In this course, students will also have the opportunity for interdisciplinary collaboration as they produce and publish work done for the class. Students who are interested in a career in some aspect of mass communication should consider taking this course.

Introduction to Film

1 Credit

In this course, students will develop criteria for aesthetic awareness to enable them to analyze and evaluate film. In addition to covering the basics of mise-en-scene and the components of acting, directing, motion, sound, cinematography, and editing, students will examine how film affects viewers' thoughts, emotions, values, and lifestyles. The course traces the history of film to the present.

Fiction Writing/Poetry Writing

1 Credit

This course is for the student who has a strong interest in creative writing, either prose or poetry. Each student will develop a writing portfolio of creative work. Students will write daily, producing a spectrum of creative work individually and in groups, ranging from multiple poetic forms, short stories, and script writing, multimedia projects, flash fiction and the reading of several novels of their choice. In addition, all students must participate in the editing duties of our literary magazine Interrobang; submission of at least ten poems to the magazine for consideration; compete in the school-wide Poetry Out Loud annual competition that is held at the Majestic Theater; and perform in a Poetry Alive! Skit that takes poetry on the road around our building.

Family and Consumer Sciences Department

Chairperson: Mrs. Kriel

Courses taught in the Family and Consumer Sciences Department provide practical, hands-on learning. Skills learned can be applied to both everyday life and career choices. Each course meets the requirements for Practical Arts Electives, Family and Consumer Sciences electives and selected electives unless otherwise noted.

Culinary Arts

1 Credit

This course provides an introduction to healthy eating, nutrition labeling, kitchen and food safety and sanitation; kitchen tools, equipment use and care, as well as proper food preparation techniques. Culinary Arts includes food laboratory experiences.

Culinary Arts II

1 Credit

Prerequisites: 10th - 12th grade standing, Culinary Arts with a grade of 75% or higher

This advanced course builds upon the skills and concepts introduced in *Culinary Arts I* through higher-level preparation techniques, menu development, and kitchen management. Students will apply creative and technical skills in the preparation of regional, international, and bakery-style foods while exploring flavor profiles, plating, and ingredient functionality. Emphasis is placed on critical thinking, precision, and collaboration as students complete more complex food labs and performance-based assessments. Students should be prepared for self-directed work and professional-level expectations.

Sports Nutrition

1 Credit

Prerequisites: 10th - 12th grade standing (*Culinary Arts* and a general understanding of biology and basic nutrition is strongly recommended)

This course is designed to provide students with a comprehensive understanding of nutrition's role in athletic performance and physical well-being. Students will learn about the science of nutrition, energy systems, macronutrients, and micronutrients, and how to tailor dietary needs for athletes. Students will be able to apply nutritional strategies to enhance sports performance, recovery, and overall health. Students will also explore topics such as hydration, supplementation, special dietary needs, and the impact of nutrition on different types of sports and fitness activities. This course includes lab experiences geared towards athletic nutritional needs.

Health, Safety, and Physical Education

Department Members: Mr. Anglada, Mrs. Black, Mr. Kunkel, Dr. Laing, Mrs. Pompei, and Mr. Sieg

Physical Education - Grade 9

.5 Credit

Scheduled simultaneously with Freshman Advisory/Career Exploration

Students in ninth grade will develop an understanding of the five components of fitness and their relationship to overall well-being. Skill-related fitness is addressed in connection with a wide variety of sports and physical fitness. Students will chart their scores to improve personal fitness levels through the use of FitnessGram testing. We attempt to foster a positive environment that allows for success within a wide spectrum of ability levels.

Physical Education - Grade 10

.5 Credit

Scheduled simultaneously with Safety Education

All tenth-grade students will take Physical Education every other day in conjunction with Safety Education. Students will be introduced to new sports as well as review previously taught activities. Students will continue to chart scores and improve personal fitness levels through the use of Fitnessgram testing. By engaging in regular activity and exercise, students will improve their overall physical health.

Physical Education - Grade 11

.5 Credit

Scheduled simultaneously with Health or CHS Health

All eleventh grade students will take Physical Education, every other day, in conjunction with Health. Students will participate in a curriculum that includes advanced-level tennis, badminton, volleyball, soccer, and basketball. Students will be introduced to a variety of activities and lifetime fitness concepts. All students will be fitness-tested using the national FitnessGram Assessment.

Physical Education - Grade 12

.5 Credit

Scheduled simultaneously with Personal Finance

Intermediate and advanced-level skills, rules, and strategies are taught in individual and team sports. An emphasis is placed on lifetime fitness activities.

Safety Education

.5 Credit

Scheduled simultaneously with 10th grade PE

Driving tasks are highly emphasized, and real-life scenarios are discussed extensively. Particular emphasis is placed on the responsibilities that must be shared with other drivers. Students will also study first aid in conjunction with the classroom component of safety education.

Health

.5 Credit

Scheduled simultaneously with 11th grade PE

Students will obtain necessary life skills and gain access to information that will help them become health-literate and make healthful decisions throughout their lives. Students will explore topics related to eight dimensions of wellness. These include social wellness, intellectual wellness, physical wellness, mental/emotional wellness, occupational wellness, spiritual wellness, environmental wellness, and financial wellness.

CHS Healthful Living**.5 Credit**

Scheduled simultaneously with 11th grade PE

This course offers a study of current knowledge concerning attitudes and practices which promote and maintain the present and future health of the individual and the community. The course emphasizes disease prevention and the development of a positive health attitude. Topics include nutrition, fitness, substance use, and sexuality.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with HACC to offer HLTH 101. The course fee for the 25-26 academic year was \$250.50. Financial assistance may be available.

Health and Physical Education Electives

Human Development

Prerequisite: 10th - 12th grade standing

1 Credit

This course examines human development throughout the lifespan. It is designed for students in grades 10-12 and is particularly beneficial as they prepare to enter the adult world of work and relationships after high school. Students will learn about the physical, social, emotional, and intellectual changes that individuals encounter in each of the seven stages of life. They will also learn how interactions with the people and world around them shape their development, and explore strategies for supporting their own healthy growth throughout life. The course offers opportunities to work collaboratively, connect course content to personal experiences, and explore developmental processes.

A Journey Into Wellness

1 Credit

A Journey Into Wellness is for students who want to develop a stronger sense of balance, self-awareness, and emotional well-being in both their personal and academic lives. In today's fast-paced, high-pressure environment, it's easy to become overwhelmed or disconnected from ourselves and others. This course offers a unique opportunity to slow down, reflect, and build habits that support mental, emotional, and physical health. Through the integration of mindfulness, yoga, and wellness practices, students will learn practical strategies for managing stress, increasing focus, and building resilience. There will be an emphasis on compassion, character development, and peer support. These are essential qualities for fostering personal growth and building meaningful connections with others. This course is not only a way to improve their well-being, but also as a chance to contribute positively to their community by becoming more mindful, grounded, and empathetic.

Lifetime Fitness

1 Credit

Lifetime Fitness focuses on developing lifelong fitness habits through progressive cardiovascular training (such as the Couch to 5K program), personalized fitness planning, and the promotion of healthy lifestyle choices. Students will learn to design, implement, and sustain individualized fitness programs that promote long-term health and wellness throughout adulthood.

Situational Awareness and Response

1 Credit

Situational Awareness and Response is a holistic personal safety course that blends practical self-defense training with mental and emotional preparedness. Students develop awareness, confidence, and decision-making skills to navigate dangerous situations safely while strengthening focus, self-control, and resilience. The curriculum integrates physical techniques like martial arts and biomechanics with lessons in mindfulness, stress management, and character education, supporting Gettysburg Area High School's mission to foster critical thinking, creativity, and responsible citizenship. Overall, the course promotes physical fitness, conflict resolution, and personal empowerment for a safe, healthy, and active lifestyle.

Strength and Conditioning

1 Credit

Strength & Conditioning helps students gain the knowledge, skills, and confidence to take charge of their own fitness. Open to all experience levels, it teaches evidence-based training strategies for strength, endurance, flexibility, mobility, power, and injury prevention. Students learn how their bodies respond to exercise and create personalized fitness programs based on their individual goals. The course combines hands-on practice, reflection, and instructor feedback to build skills in designing, implementing, and evaluating workouts. By exploring resistance training, cardio, and functional movement, students develop tools for long-term physical fitness. Overall, the course promotes self-confidence, lifelong healthy habits, and an active approach to personal wellness.

JROTC

Senior Army Instructor: LTC (Ret) Thomas Mohler

Army Instructor: CSM (Ret) Kenneth Klein

Army Junior ROTC is a high school elective with the mission “to motivate young people to be better citizens.” This course builds the life-long skills that every student needs for success in future life and career endeavors, focusing on the development of six core abilities:

1. Apply critical-thinking techniques, building capacity for life-long learning
2. Communicate using verbal, non-verbal, visual, and written techniques
3. Do their share as good citizens in the school, community, country, and the world
4. Taking responsibility for their actions and choices.
5. Treat self and others with respect.
6. Increase emotional intelligence (EI) and resiliency.

The leadership, management, and communication skills learned are useful for any future career. The JROTC program provides ample opportunities for service learning and community service.

While there is no military obligation associated with this course, students who elect to enlist in the military services may be eligible to advance up to two rank levels (branch-dependent) if they have successfully completed two or more years of JROTC. Students who plan to go to college will gain practical leadership experience desired by many institutions of higher education. Students seeking an ROTC scholarship or nomination to a U.S. military service academy will have documented leadership experience.

Note: Students committed to the JROTC program should consult the instructors or their school counselor about flexible scheduling options.

LET 1

1 Credit

LET-1 introduces students to the JROTC program, including its mission and goals, military customs and courtesies, rank and organization, and integrated-curricular opportunities. The majority of this course focuses on providing the students with foundations for success, including self-awareness, personal learning styles and study, communication and conflict-resolution skills. LET-1 also provides an introduction to leadership theory and its application, while developing a disciplined and motivated member of a team.

LET 2

1 Credit

Prerequisite: LET 1 and Completion of the 9th Grade

LET-2 focuses on achieving a healthy lifestyle, including basic principles of good nutrition, drug awareness, and fundamentals of first aid. It also introduces map-reading skills and explores citizenship in American history and government, emphasizing the framing of the Constitution and the rights and responsibilities of citizenship.

LET 3

1 Credit

Prerequisite: LET 2 / completion of the 10th Grade

LET-3 builds on the previous two courses, covering various leadership strategies such as decision-making and problem-solving processes and additional foundations for success including public speaking, conflict management, career and college exploration and planning, time management, goal setting, and financial planning. In LET-3, students assume leadership roles within the student chain of command.

LET 4

1 Credit

Prerequisite: LET 2 and LET 3 and Completion of 11th Grade

Let-4 is the capstone course in the JROTC program; it both completes and integrates previous instruction with a focus on applied citizenship and leadership. LET-4 students assume primary leadership roles and responsibilities within the student chain of command and mentor or assist younger students. LET-4 involves numerous individual and group projects.

Mathematics

Chairperson: Mr. Godack

Department Members: Mrs. Bennett, Mr. Dolly, Mr. Groft,
Mrs. Miller, Ms. Norton, Mrs. Orleski, Mr. Orner, Ms. Reinert, Mr. Tesoriero, and Mr. Withers

Gettysburg Area High School Mathematics Sequence

- Students should consult their current math teacher and school counselor to make an informed decision regarding mathematics course sequencing. Eighth-grade teachers will make placement recommendations based on student performance and final grades. It is recommended that all ninth-grade students take two math courses unless they are enrolled in Geometry, Algebra 2, or a higher-level course. Students should discuss their academic goals with their counselor before selecting only one mathematics course.
- All students are required to complete Algebra 1A, Algebra 1B, and Geometry prior to graduation.
- AP COURSES: All Advanced Placement (AP) courses require the completion of a pre-course assignment. Failure to complete this assignment will result in a grade penalty at the beginning of the semester. All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.
- ACCELERATED COURSES: All accelerated mathematics courses require completion of a pre-course assignment. Failure to complete this assignment will result in a grade penalty at the beginning of the semester.

High School Calculator Policy

All students enrolled in an accelerated mathematics course are required to have a graphing calculator.
(preferably from the TI-83 or TI-84 series)
It is recommended that all other students have a scientific calculator in addition to the use of DESMOS.

On-Level Mathematics Courses

Algebra 1A

1 Credit

Algebra 1A is the first course of a two-course study of Algebra 1 concepts. It is designed to give the student a background in abstract reasoning where they will learn to translate problem situations into algebraic expressions and/or equations and then learn techniques to solve and graph them. The graphing calculator will play an essential part in this course as a problem-solving tool. Emphasis will be on applying algebra to real-world problems. (Ninth graders that were not proficient in their middle school Algebra course may be placed in Algebra 1A to fully develop their Algebra skills before continuing in the high school math sequence.)

Algebra 1B

1 Credit

Algebra 1B is the second course of a two-course study of Algebra after the completion of Algebra 1. All students who completed Algebra 1 in eighth-grade or above must take this course to complete the Algebra 1 standards. Continued emphasis will be placed on real-world connections and on problem-solving using numerical, algebraic, and graphical techniques. It is recommended that this course be scheduled in the same year that a student schedules Algebra 1.
Note: Students are required to take the state Algebra 1 Keystone Exam at the conclusion of Algebra 1B or Accelerated Algebra 1B. Gettysburg Area School District requires that students demonstrate proficiency in algebra through this exam.

Geometry

1 Credit

Prerequisite: Algebra 1B

This course is designed to develop spatial awareness by making connections from concrete geometric examples to abstract concepts. Critical-thinking skills and real-world problems will be emphasized through the application of important postulates and theorems. Students will study properties of congruence and similarity, parallel lines, angles, polygons, and circles. In addition to area and volume of plane and solid figures, trigonometric relationships also will be explored.

Algebra 2**1 Credit**

Prerequisite: Algebra 1B and Geometry

Algebra 2 begins with a review of concepts and skills covered in Algebra 1B and leads into the study of transformations, operations with functions, inverses, regression and piecewise linear functions. These topics are explored within several families of functions, including quadratic, polynomial, and rational functions. The characteristics of these function families are also analyzed. This course emphasizes problem-solving techniques and engages students in real-world applications.

Trigonometry/Precalculus**1 Credit**

Prerequisite: Algebra 2

This course begins with a review of Algebra 2 concepts to support course and SAT preparation. Connections are emphasized through solving problems algebraically, graphically, and numerically. Students study graphical transformations and their relationship to their equations, including basic and rational functions. Building functions from functions, compositions and inverses of these basic functions are also studied. Relationships are made between the equations and graphs of the common family of functions, exponential, logarithmic and sinusoidal functions. Two units of study are devoted to application and analysis of trigonometric functions and their graphs.

Calculus**1 Credit**

Prerequisite: Trigonometry/Precalculus

Students will extend their algebra skills to a higher level as they learn about derivatives and integrals. Calculus is the study of change and is an excellent companion course for students also enrolled in Physics. Students will learn how to visualize and solve problems in three dimensions, as well as to find slopes of nonlinear equations. This course is designed for the student who would like to have an overview of calculus concepts before enrolling in a college-level course. Note: Students who wish to take the AP Exam should schedule AP Calculus AB.

Statistics**1 Credit**

Prerequisite: Algebra 2

Statistics is applicable to many fields, including psychology, business, actuarial science, and the natural and social sciences. Students learn proper sampling techniques and methods for performing calculations on data to communicate trends effectively. Students will develop a critical eye for interpreting graphs and reading research articles. They will utilize a graphing calculator to perform various operations and create visuals with ease.

Applied Mathematics**1 Credit**

Prerequisite: 11th or 12th grade standing

A student who has passed Algebra 2 or beyond is not eligible to take Applied Mathematics

This course is intended for students who have completed Geometry and are seeking an alternative to the college preparatory mathematics track. Applied Mathematics is a project-based course in which students learn to apply mathematics effectively to personal and consumer contexts. Students review and apply mathematical operations in diverse problem-solving situations. Topics include, but are not limited to, percentages, interest, personal finance, probability, and statistics.

Accelerated Mathematics Courses

Accelerated Algebra 1B

1 Credit

Prerequisite: Math 8A with a 75% or higher and 8th grade teacher recommendation

This accelerated course is for ninth-grade students only and is designed for the able student who has elected to accelerate their mathematics program. Students must have completed middle school Algebra 1 in either seventh or eighth grade. The course covers the second half of the Algebra 1 curriculum started in middle school and prepares students for Accelerated Algebra 2. This course studies polynomials, systems of equations and expressions while focusing on applying concepts to real-world situations.

Note: Students are required to take the state Algebra 1 Keystone Exam at the conclusion of Algebra 1B or Accelerated Algebra 1B. Gettysburg Area School District requires that students demonstrate proficiency in algebra through this exam.

Accelerated Geometry

1 Credit

Prerequisite: Accelerated Algebra 1B with a 75% or higher and a teacher recommendation

This course is intended for the student who has elected to accelerate their mathematics studies. The course is designed to make connections from concrete geometric examples and abstract concepts and how they relate visually and spatially to the world around us. The course emphasizes subject specific vocabulary, communication, and application to real-world problems. Students are required to write formal and informal geometric proofs to rigorously justify conjectures and solutions. We will study and prove properties of plane and solid figures, regular and irregular shapes, circles, quadrilaterals and other polygons. Students will study basic trigonometric relationships and how they can be applied in a variety of settings. All students are required to successfully complete a pre-course packet to gain entry to the course.

Accelerated Algebra 2

1 Credit

Prerequisite: Accelerated Geometry with a 75% or higher and a teacher recommendation

This course is designed for the able student who has elected to accelerate his or her math program. The course is fast paced, beginning with an abbreviated review of the concepts and skills covered in Algebra 1A and 1B by way of the pre-course assignment. The course develops the student's mathematical maturity by emphasizing discovery lessons, student self-reliance, verbal precision, a readiness to look for general principles, and a questioning attitude. In this course the student will study several families of functions including linear, quadratic, polynomial, and rational functions. Time will be spent exploring several discrete mathematics topics, if time allows. The student will study the characteristics of, transformations of, operations with, inverses of, and regression of each family of functions. This course will also emphasize problem-solving techniques and engage students in real-world applications of all functions studied.

Accelerated Trigonometry/Precalculus

1 Credit

Prerequisite: Accelerated Algebra 2 with a 75% or higher and a teacher recommendation

This demanding course prepares students pursuing AP Calculus AB /AP Physics C: Mechanics. A review of Algebra 2 skills will be completed in the pre-course assignment packet. Problem-solving and applications are explored for all units of study throughout the course, while emphasis is placed on solving problems algebraically, graphically, and numerically. The students will be exposed to radical, exponential, logarithmic and sinusoidal functions. The key features of all as well as their applications will be explored. Relationships are made between the equations and graphs of the exponential, logarithmic and sinusoidal functions. Two units of study are devoted to application and analysis of trigonometric functions and their graphs. Series and sequences will be explored and an introduction to limits will be completed to prepare for AP Calculus AB.

Advanced Placement Mathematics Courses

AP Calculus AB

1.5 Credit

Prerequisite: Accelerated Trigonometry/Precalculus with an 75% or higher and a teacher recommendation

Calculus is the study of change and motion. This is why this course is co-taught with AP Physics C: Mechanics in which students must also be enrolled. The Calculus course includes topics from differential and integral Calculus and is designed for able math students, especially those who intend to go into the field of engineering, physics or mathematics. This course will consist of a full academic year of work in Calculus and related topics comparable to courses in college. Our goal will be to follow the Calculus syllabus as recommended by the College Board. Students who take the AP course will be prepared and are required to take the AP exam.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

AP Calculus BC

1 Credit

Prerequisite: AP Calculus AB or Calculus and a teacher recommendation

AP Calculus BC is a one- semester, spring only course in the calculus of functions of a single variable. It includes all topics covered in *AP Calculus AB* plus additional topics including the study of parametric equations, polar forms and vector forms, improper integrals, polynomial approximations, and series. Students must fully complete *AP Calculus AB* or *Calculus* (with teacher recommendation) to enroll in this course.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

AP Statistics

1 Credit

Prerequisite: Algebra 2 and a teacher recommendation

The purpose of this course is to introduce students to the major concepts and methods for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimating population parameters and Testing hypotheses.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Music

High School Chairperson: Mr. Hofmann

Department Members: Mrs. Coolbaugh and Mrs. Kriel

The curriculum of the music department has been structured to facilitate the continual development of each student. Students have the opportunity to study and participate in different types of musical organizations, including band, chorus and orchestra. Through these opportunities, students gain skills in performing with a group while enhancing their individual skills and appreciation of music. Outside-of-school performances are required for Band, Orchestra, and Chorus. In order to enroll, students must participate in all aspects of the course. Band, Orchestra, and Chorus meet as year-long courses. The maximum number of credits earned in one year in music performance is one.

Band

1 Credit

Prerequisite: Audition and/or a grade of 75% or higher for returning students

The Concert Band is an instrumental ensemble open to all students in grades 9-12 who wish to participate in the band program. This ensemble will provide students with the means to creatively express themselves through instrumental practice and performance of quality repertoire. Students will focus on technique, music theory, sight reading, and overall musicianship. This ensemble is open to students who play woodwind, brass, or percussion instruments.

Instrumental Music - Orchestra

1 Credit

Prerequisite: Audition and/or a grade of 75% or higher for returning students

The Orchestra is an instrumental ensemble open to students grades 9-12 who play violin, viola, cello, or bass. This ensemble will provide students with the means to creatively express themselves through instrumental practice and performance of quality repertoire. Students will focus on instrumental technique, music theory, sight reading, and overall musicianship. Students who are interested in learning an Orchestra instrument should speak to Mrs. Kriel before signing up for this course. Wind players in the Orchestra must be regular members in good standing with the Band.

Concert Chorus

1 Credit

Prerequisite: Audition and/or a grade of 75% or higher for returning students

The Concert Choir is an ensemble open to students in grades 9-12. This ensemble will provide students with the means to creatively express themselves through vocal practice and performance of quality repertoire. Students will focus on vocal technique, music theory, sight singing, and overall musicianship.

Music Technology and Recording

1 Credit

This course will allow students to explore the world of creating digital music. Students will become proficient in using online programs, including Soundtrap, Noteflight, GarageBand, and Audacity. Students will create projects including commercials, music arrangements, and movie music. During this project-based learning experience, students will also learn and apply musical concepts taught in traditional settings, including harmony, time signatures, dynamics, and expression. Students will acquire the foundations for creating computer-based music using varied software technologies that will introduce and enhance their understanding of basic digital recording techniques. Students will gain an understanding and appreciation for the history and development of recording technology and sound recording. This course involves high rigor and independent work.

Music Theory - Offered Every other year - Odd Years (2026-2027, 2028-2029 school years)

1 Credit

Prerequisite: 11th and 12th grade; students must be in one of the performing groups or be approved by staff

This course involves learning scales and chord construction, music, notation, harmony, ear training, applied listening, music history, and arranging for vocal and instrumental groups. Students planning a musical career will find this course helpful.

Note: Students must either be in one of the performing groups or take private lessons on an instrument.

Voice - Offered Every other year - Even Years (2027-2028 school year)

1 Credit

Prerequisite: Involved in choir or approved by Mrs. Coolbaugh

This course will allow students to explore many aspects of their singing voice. Students will work on practice techniques, vocal technique, sight-reading skills, basic music theory, the International Phonetic Alphabet (IPA), and vocal pedagogy. This is a performance course and students will be required to perform a variety of vocal styles.

Science

Chairperson: Mrs. Lain

Department Members: Mr. Armor, Ms. DeCello, Ms. Dengler, Mr. Harvey, Mr. Reese, and Mr. Withers

Scientific literacy is essential in today's technological and data-driven world. Students and families are encouraged to create a sequence of science courses that can help them prepare for their future and also make them better consumers of information.

Earth Science

1 Credit

The Earth Science course involves students in studying the processes, cycles, and concepts that occur within Earth's spheres, as well as the interaction between humankind and the Earth. This course provides real-world experiences to encourage students to become scientifically literate and to understand society's roles in this technological age. This course also contains ecological science concepts that will be necessary for the Biology Keystone Exam.

Accelerated Earth Science

1 Credit

Recommendation: Teacher recommendation

The Accelerated Earth Science course involves students in studying the processes, cycles, and concepts that occur within Earth's spheres, as well as the interaction between humankind and the Earth, at a faster pace and in greater depth than the standard Earth Science class. This course will provide real-world experiences to encourage students to become scientifically literate and to understand the roles of society in this technological age. This course also contains ecological science concepts that will be necessary for the Biology Keystone Exam.

Introduction to Agricultural Sciences

1 Credit

Introduction to Agricultural Sciences investigates the various disciplines of science involved in agriculture. Specific studies include the history of agriculture and society, food science and marketing of products in America's largest industry, soil science, plant science and animal science. This course is a springboard for other classes in the agriculture curriculum.

Note: This course may be used as either elective or science credit in meeting graduation requirements.

Biology

1 Credit

Prerequisite: Earth Science, Accelerated Earth Science, or Intro to Ag Science

Biology is a laboratory-oriented course designed to acquaint students with basic biological principles. Biology incorporates five main topics: biochemistry, cell biology, genetics, evolution, and ecology. Scientific problem-solving is emphasized throughout the course and objectives are achieved through classroom and laboratory work, critical thinking and cooperative learning exercises.

Note: Students are required to take the state Biology Keystone Exam at the end of the course.

Accelerated Biology

1 Credit

Prerequisite: Earth Science, Accelerated Earth Science, or Intro to Ag Science

Accelerated Biology is a laboratory-oriented course providing an in-depth and fast-paced study of biological principles. Biology incorporates five main topics: biochemistry, cell biology, genetics, evolution, and ecology. Scientific problem-solving is emphasized throughout the course. Course objectives are achieved through classroom and laboratory work, critical thinking and cooperative learning exercises.

Note: Students are required to take the state Biology Keystone Exam at the end of the course.

AP Biology/CHS Biology I and Lab**1 Credit**

Prerequisite: Biology; Proficient or Advanced on the Biology Keystone Exam.

Recommendation: Students should take chemistry concurrently or prior to AP Biology/CHS SHU Biology

This course is one semester only and is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. After taking the AP exam, some students may earn credit for a first-year Biology prerequisite or they may have fulfilled some other basic requirements and will be well-prepared for a College-Level Biology course. This course builds on the GAHS biology course that is a prerequisite. Students are expected to have exceptional lab skills and study skills. AP Biology follows the curriculum recommended by the College Board.

AP Fee: All students are required to take the AP Exam and are responsible for the approximate cost of \$99, unless enrolled in the CHS Biology I course. Financial assistance may be available.

CHS Opportunity: This course is offered as a four-credit College in the High School (CHS) Course to 11th and 12th grade students. Students in 10th grade who have demonstrated college-level ability in specific content areas may only apply if approved by GAHS and the partnered college. During the 2025-26 school year, GAHS partnered with Seton Hill University to offer SBL 150 and SBL 151. The course fee for the 25-26 academic year was \$235.00. Financial assistance may be available.

Chemistry**1 Credit**

Prerequisite: Algebra 1A

First-year chemistry involves the study of the fundamental concepts that comprise this science. Emphasis is placed on atomic theory, chemical formulas and equations, the mole concept, stoichiometry, electronic configuration, the periodic table, the gas laws, chemical bonding, solutions, and introductory acid/base chemistry.

Accelerated Chemistry**1 Credit**

Prerequisite: Algebra 1B

Accelerated Chemistry involves a more in-depth study of the fundamental concepts that are covered in the regular chemistry course. This course moves at an accelerated pace which allows for the inclusion of more material, and is intended for high achieving students.

Note: A pre-course assignment may be required.

AP Chemistry (I and II)**1 Credit**

Recommendation: Algebra 2, Biology teacher recommendation. A prior chemistry course is not required.

This is a two-semester course, with AP Chemistry I scheduled for the first semester and AP Chemistry II scheduled for the second semester. This first-year chemistry course is designed to be equivalent to the general chemistry course typically taken during the first year of college. For some students, this course enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. The course covers the same topics covered in the Accelerated Chemistry course, as well as the AP Chemistry curriculum recommended by the College Board. Students are expected to have exceptional lab skills and study skills.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Physical Science**1 Credit**

Prerequisite: Algebra 1B, A student that has passed Chemistry, Physics or beyond is not eligible to take Physical Science. Recommendation required.

The Physical Science course is designed to continue student investigations of the physical sciences. Students develop problem-solving skills and a practical understanding of the scientific world, revolving around concepts such as structure and property of matter, chemical reactions, forces and motion, types of interactions, definitions of energy, conservation and transfer of energy, relationship between energy and forces, wave properties and electromagnetic radiation.

Physics**1 Credit**

Prerequisites: Algebra 1B and/or concurrent enrollment in Geometry

Physics is a computer-enhanced and laboratory-oriented course that focuses on explaining how and why things happen in the physical world. Mechanics, the study of motion, is the foundation of the course. Students will grow to appreciate that mathematics is the language used to explain these processes. A working knowledge of algebra is needed.

Accelerated Physics**1 Credit**

Prerequisite: Concurrent or prior enrollment in Trigonometry/Pre-Calculus

Accelerated Physics involves a more in-depth study of the fundamental concepts that are covered in the regular physics course. This course moves at an accelerated pace which allows for the inclusion of more material. A working knowledge of trigonometry is needed.

AP Physics C: Mechanics**1.5 Credit**

Prerequisite: Concurrently enrolled in AP Calculus AB.

AP Physics C: Mechanics covers the concepts of classical Newtonian mechanics. The course moves at an accelerated pace from an algebraic description to a calculus-based description of the physical world. Following the course description laid out by the College Board, students will prepare to take the AP Physics C: Mechanics exam in May.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

CHS Environmental Issues & Choices**1 Credit**

Prerequisite: 11th or 12th grade standing. Proficiency on the Biology Keystone Exam, Passing Grade in a Chemistry or Physics Course; or in an Agriculture Pathway program.

Environmental science is the study of natural ecosystems, human impacts on the environment, and sustainable management of the Earth's resources. Processes of the physical and biological environment are used as a basis for consideration of current environmental topics. Other areas covered include: energy consumption and global warming, water and air pollution, waste management, impacts of deforestation on biodiversity, and other environmental changes occurring on a global scale.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with Seton Hill University to offer SBL 145. The course fee for the 25-26 academic year was \$235.00. Financial assistance may be available.

Accelerated Infectious Disease

1 Credit

Prerequisite: Biology

Recommendation: Students interested in a health science career. Students should take chemistry concurrently or prior to this course.

Students explore the microbial world around, on, and within them to better understand the importance of these interactions in daily life. This course allows students to research a specific pathogen within each of the five pathogen classifications (i.e., Bacteria, Viruses, Parasites, Fungi, and Prions). Students interested in health-science careers may find this advanced course helpful in preparing for postsecondary training that may include medical imaging, nursing, pharmacy, and other medically related fields.

Specific areas of study include:

- The human immune system (structure and function)
- What is an infectious disease
- The five pathogens: Bacteria, Viruses, Parasites, Fungi, Prions
- Epidemiology/host and pathogen interaction
- Pandemics throughout history
- The Effect of Disease on Human History

CHS Anatomy and Physiology I

1 Credit

Prerequisite: 11th or 12th grade standing. Biology or Accelerated Biology and Chemistry or Accelerated Chemistry

This course is intended for students who contemplate careers in Allied Health fields. Topics include basic body organization, biochemistry, cytology, histology, and the integumentary, skeletal, muscular, and nervous systems.

CHS Opportunity: This course is offered as a four-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with HACC to offer BIOL 121, a four-credit course. The course fee for the 25-26 academic year was \$334.00. Financial assistance may be available.

Social Studies

Chairperson: Mr. Sontheimer

Department Members: Mrs. Deckert, Mrs. Kubeck, Mr. Haines, Mr. Heiser, Mr. Houser, Mr. Journey, and Mr. Willard

The primary objective of the social studies program is to prepare thoughtful, active citizens who can function productively in a multicultural, rapidly changing, and increasingly interdependent world. The secondary objective is to encourage students to critically examine history, develop thesis-based arguments reflective of their independent thought, and write critical essays that incorporate historical research. The social studies program is committed to fulfilling both of these objectives in every required course it offers, as well as in many of its electives.

The social studies courses are founded upon the philosophy that a democratic society depends upon responsible, educated citizens to make rational decisions. To that end, students are instilled with an appreciation for democratic values and the importance of their participation within that process, while cultivating respect and dignity for each human being. The social studies classroom, the school, and the community provide settings where students can explore questions dealing with history, social values, and behavior. The process of inquiry and freedom of expression, paramount to a properly functioning democratic society, are stressed, with an emphasis on toleration for all opinions.

Note: Of the three required Social Studies credits, students must earn at least one credit in either American History or Government. All students are required to take a civics test for graduation. All students will be administered this test during their American History course, Government course, or another designated time (E.g. Constitution Day).

World Cultures

1 Credit

This course focuses on studying how different world cultures, throughout history, have been impacted by geography, religion, imperialism, racism, conflict, and revolution as well as by the gains and losses of liberty and rights. The course explores Africa, the Middle East, the Americas, South and East Asia, and Europe.

AP Human Geography

1 Credit

Prerequisite: 10th - 12th grade standing or 9th grade with an 8th grade teacher recommendation

This course explores how humans have understood, used, and changed the surface of the Earth. Students will use the tools and analytical methods of geographers to examine patterns of human population, migration, and land use.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

AP World History: Modern

1 Credit

Prerequisite: 10th - 12th grade standing and a teacher recommendation

AP World History: Modern is an intensive one-semester course that emphasizes themes and topics across the spectrum of human history from the year 1200 CE to the present. This course differs significantly from the World Cultures, offering a comprehensive examination of world history as it has unfolded over time. The course requires students to read extensively, master thesis-based essay writing, and thoroughly examine primary source evidence in preparation for the AP exam.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Modern American History

1 Credit

Modern American History examines the political, economic, social, and cultural developments in the United States during the 20th and 21st centuries. The roots of these developments are analyzed, along with their connections to recent U.S. and world events, to prepare students to participate as educated American citizens.

AP United States History**1 Credit**

Prerequisite: 10th - 12th grade standing and a teacher recommendation

AP United States History is an intensive one-semester course that analyzes the entire scope of American history. The course requires students to read extensively, master thesis-based essay writing, and thoroughly examine primary source evidence in preparation for the AP exam.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

American Civil War**1 Credit**

Prerequisite: 10th - 12th grade standing

This course uses project-based instruction to examine the causes, key events, concepts, effects, and aftermath of the American Civil War

American History through Film**1 Credit**

Prerequisite: 10th - 12th grade standing

This course will aim to challenge students to question and evaluate the modern perception of United States history and how our understanding of history is affected by the manner in which we choose to learn about it. Our main focus will be the popular culture interpretation of history represented through featured films. Students will have the opportunity to view a variety of feature films and analyze, critique and review the story that is presented. Students will be encouraged to take into account multiple perspectives of each event and to dive deeper than the mainstream narrative to find a more holistic story. Our investigation will center on detecting bias and historical inaccuracies in our modern story and searching for motives as well as deciding where in history the story became "lost in translation". In the end, the students will have had the chance to challenge the modern perception of our history and to provide their own insight on the value of films as a source of historical information.

Government and Economics**1 Credit**

Prerequisite: 10th - 12th grade standing

Responsible citizenship requires an understanding of the nation's economic system and governmental structures. The government component focuses on the functions of our federal, state, and local government. The economic component will cover decision making and how goods and services are produced, distributed, and consumed.

AP United States Government and Politics**1 Credit**

Prerequisite: 10th - 12th grade standing and a teacher recommendation

AP United States Government and Politics is an intensive one-semester course that focuses on the national government and American political scene and culture. Students will focus on analyzing data and historical political events as well as primary sources to understand and evaluate the shifts and trends of the electorate of the United States.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Global Issues**1 Credit**

Prerequisite: 10th - 12th grade standing

This current-events-driven course challenges students to consider their roles as citizens and voters with a variety of course topics and themes. This course will combine projects, media productions, and analysis of world issues centered on a set of common themes that will include: Development, Poverty, Gender Issues, Environmental Policy, Technology, Conflict, Economic Health, and Globalization.

Psychology 1 Credit

Prerequisite: 10th - 12th grade standing

Psychology is the study of our behavior and thinking. Topics include personality, learning, sociocultural differences, memory and psychological disorders.

CHS Psychology**1 Credit**

Prerequisite: 10th - 12th grade standing and a teacher recommendation

This course engages students in the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students thoroughly explore the major subfields within psychology and learn about the ethics and methods psychologists use in their science and practice.

CHS Opportunity: This course is offered as a three-credit College in the High School (CHS) Course. During the 2025-26 school year, GAHS partnered with Seton Hill University to offer SPY 110. The course fee for the 25-26 academic year was \$235.00. Financial assistance may be available.

Sociology**1 Credit**

Prerequisite: 10th - 12th grade standing

In this introductory course, students learn to use the sociological perspective to think critically and analytically about life and the world. This course will use readings, film, music and other pop culture sources to discuss and critically analyze topics such as race, class, gender, social movements, poverty, education, and globalization, and determine how these topics relate to current social issues. The ultimate goal of this course is to provide the students with the sociological tools necessary to identify social problems, consider possible solutions, and critically examine society and the individual's place in it. The complexity of the content in this course requires initiative on the part of students and is reading and writing intensive.

ELECTIVE COURSE OPTIONS IN SOCIAL STUDIES

These courses will not count towards the three required Social Studies credits.

Law in Film

1 Credit

Prerequisite: 10th - 12th grade standing

In term one, Law in Film will look at the representation of law in film, with emphasis on the laws of evidence, and subunits in criminal and tort law. Students will view films and apply legal principles to them, culminating in the 'Trial of OZ', based on applying tort law to *The Wizard of Oz*. Term two of Law in film will focus on Intergalactic Super Law, which will teach the two great schools of law currently practiced globally, Civil Law and our own Common Law, with subunits in criminal law and tort law, students will be watching film and will be applying law to it. Focus will be on the Star Wars and Star Trek Universes for the larger topics, and the DC and Marvel Universes for the specific topics such as criminal law and tort law. Using these very familiar intellectual properties should make the more abstract, conceptual work of comparative law much easier.

Performance Psychology

1 Credit

Prerequisite: 10th - 12th grade standing, and teacher recommendation

Performance Psychology is associated with the study of the psychological factors that contribute to performance. This course focuses on the components necessary for individuals to perform at their fullest potential. The coursework will cover theory, research, and applied techniques across the fields of business, exercise physiology, the fine arts, military/team building, and sports psychology.

World Languages

Chairperson: Mr. Ryan Trone

Department Members: Mr. Diehl, Ms. Ruebelmann, and Ms. Tosh

Comparative research clearly demonstrates that the study of World Languages significantly raises PSAT and SAT scores in both English and mathematics more than any other subject. The World Language program includes instruction in modern languages. The study of any language should foster insight into inherent humanistic values in an evolving world, the selection of the specific language study should be based on student interests and needs, as well as those of the local community and nation.

World Language study helps students better understand their own language(s) as well as those of other people. Language study enhances understanding of others' thought patterns and social institutions; it facilitates communication, prepares students for career opportunities, and assists them in adapting to the multiethnic environments and value systems within society. The modern world requires individuals who are competent in languages.

French I

1 Credit

This course offers basic foundations in the development of the three modes of communication— interpretive, interpersonal, and presentational in conjunction with the ACTFL National Standards. By the end of Level I, students should be able to communicate in the target language at the Novice-Mid proficiency level. Oral communication is encouraged. Beginning cultural enrichment is also an aspect of this course. Primary sources and authentic materials will be utilized.

French II

1 Credit

Prerequisite: French I

This course offers an extension of the foundations introduced in Level I. The three modes of communication— interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. By the end of Level II, students should be able to communicate in the target language at the Novice-High proficiency level. Further cultural enrichment through reading, conversation, and writing will be stressed. Enrollment in Level II, in addition to other requirements, provides students with the opportunity to travel abroad.

French III

1 Credit

Prerequisite: French II

This course offers an extension of concepts introduced in Level II. The three modes of communication— interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. By the end of Level III, students should be able to communicate in the target language at the Intermediate-Low proficiency level. Cultural awareness through reading, conversation, and writing will be stressed. Intermediate communication and structural skills are developed along with reading comprehension. Study abroad is encouraged.

French IV

1 Credit

Prerequisite: French III

This course offers an extension of concepts introduced in Level III. The three modes of communication— interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. By the end of Level IV, students should be able to communicate in the target language at the Intermediate-Mid proficiency level. Cultural awareness through reading, conversation, and writing is emphasized. Advanced communication and structural skills are developed along with reading comprehension. Study abroad is encouraged.

French V**1 Credit**

Prerequisite: French IV

This course offers an extension of concepts introduced in Level IV. The three modes of communication– interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level V, the students should be able to communicate in the target language according to the Intermediate-High proficiency scale. Cultural awareness through reading, conversation, and writing is emphasized. Advanced communication and structural skills are developed along with reading comprehension. Study abroad is encouraged.

German I**1 Credit**

This course offers basic foundations in the development of the three modes of communication– interpretive, interpersonal, and presentational in conjunction with the ACTFL National Standards. At the end of Level I, the students should be able to communicate in the target language according to the Novice-Mid proficiency scale. Oral communication is encouraged. Beginning cultural enrichment is also an aspect of this course. Primary sources and authentic materials will be utilized.

German II**1 Credit**

Prerequisite: German I

This course offers an extension of the foundations introduced in Level I. The three modes of communication– interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level II, the students should be able to communicate in the target language according to the Novice-High proficiency scale. Further cultural enrichment through reading, conversation, and writing will be stressed. Enrollment in Level II, in addition to other requirements, provides students the opportunity to travel abroad. Travel abroad is encouraged.

German III**1 Credit**

Prerequisite: German II

This course offers an extension of concepts introduced in Level II. The three modes of communication– interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level III, the students should be able to communicate in the target language according to the Intermediate-Low proficiency scale. Cultural awareness through reading, conversation, and writing will be stressed. Intermediate communication and structural skills are developed along with reading comprehension. Study abroad is encouraged.

German IV**1 Credit**

Prerequisite: German III

This course offers an extension of concepts introduced in Level III. The three modes of communication– interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level IV, the students should be able to communicate in the target language according to the Intermediate-Mid proficiency scale. Cultural awareness through reading, conversation, and writing is emphasized. Advanced communication and structural skills are developed along with reading comprehension. This course is taught exclusively in German. Study abroad is encouraged.

German V**1 Credit**

Prerequisite: German IV

This course offers an extension of concepts introduced in Level IV. The three modes of communication— interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level V, the students should be able to communicate in the target language according to the Intermediate-High proficiency scale. Cultural awareness through reading, conversation, and writing is emphasized. Advanced communication and structural skills are developed along with reading comprehension. This course is taught exclusively in German. Study abroad is encouraged.

Spanish I**1 Credit**

This course offers basic foundations in the development of the three modes of communication— interpretive, interpersonal, and presentational in conjunction with the ACTFL National Standards. At the end of Level I, the students should be able to communicate in the target language according to the Novice-Mid proficiency scale. Oral communication is encouraged. Beginning cultural enrichment is also an aspect of this course. Primary sources and authentic materials will be utilized.

Spanish II**1 Credit**

Prerequisite: Spanish I

This course offers an extension of the foundations introduced in Level I. The three modes of communication— interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level II, the students should be able to communicate in the target language according to the Novice-High proficiency scale. Further cultural enrichment through reading, conversation, and writing will be stressed. Enrollment in Level II, in addition to other requirements, provides students the opportunity to travel abroad.

Spanish III**1 Credit**

Prerequisite: Spanish II

This course offers an extension of concepts introduced in Level II. The three modes of communication— interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level III, the students should be able to communicate in the target language according to the Intermediate-Low proficiency scale. Cultural awareness through reading, conversation, and writing will be stressed. Intermediate communication and structural skills are developed along with reading comprehension. Study abroad is encouraged.

Spanish IV**1 Credit**

Prerequisite: Spanish III

This course offers an extension of concepts introduced in Level III. The three modes of communication—interpretive, interpersonal, and presentational are continually developed in conjunction with the ACTFL National Standards. At the end of Level IV, the students should be able to communicate in the target language according to the Intermediate-Mid proficiency scale. Cultural awareness through reading, conversation, and writing is emphasized. Advanced communication and structural skills are developed along with reading comprehension. Study abroad is encouraged.

AP Spanish Language and Culture**1 Credit**

Prerequisite: Spanish IV or Proficient Native Speaker

The AP Spanish Language and Culture course emphasizes communication by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. This course is taught exclusively in Spanish.

AP Fee: All students are required to take the AP Exam and are responsible for the cost of approximately \$99. Financial assistance may be available.

Spanish for Native Speakers I**1 Credit**

Prerequisite: Native Spanish speaker

The course is designed for students who have had varying degrees of formal/informal exposure to Spanish while growing up. Students will learn how to prevent using interlanguage, or mixed utterances of English and Spanish. They will begin the process of writing, reading, listening and speaking Standard Spanish. Furthermore, they will learn to navigate life in two cultures.

Note: This course will be taught entirely in Spanish. The three modes of communication – Interpretive, Interpersonal, and Presentational in conjunction with the ACTFL National Standards are developed. At the end of this course, students will communicate in standard Spanish at the Intermediate level, according to their needs. Cultural literacy is expanded through various literary selections. The cultural component of this course will allow native speakers to learn more about American and Latino cultures and will provide strategies for coping with cultural differences.

Spanish for Native Speakers II**1 Credit**

Prerequisite: SNS I or teacher approval

This course offers an extension of concepts introduced in Spanish for Native Speakers I. The three modes of communication – Interpretive, Interpersonal, and Presentational in conjunction with the ACTFL National Standards are continually developed. The course is designed for students who have had varying degrees of formal/informal exposure to Spanish while growing up. Students will learn how to prevent using interlanguage, or mixed utterances of English and Spanish. They will continue to reinforce writing, reading, listening and speaking Standard Spanish. Furthermore, they will learn to navigate life in two cultures.

Note: This course will be taught entirely in Spanish. The three modes of communication – Interpretive, Interpersonal, and Presentational in conjunction with the ACTFL National Standards are developed. At the end of this course, students will communicate in standard Spanish at the Intermediate and Advanced levels, according to their needs. This course includes an explanation of Spanish grammar rules and the orthography of Spanish. Cultural literacy is expanded through various literary selections. The cultural component of this course will allow native speakers to learn more about American and Latino cultures and will provide strategies for coping with cultural differences.

PA Seal of Biliteracy

The Pennsylvania Seal of Biliteracy (PASB) is an award given in recognition of students who can read, speak, listen and write at a high level in English and another world language, including American Sign Language.

English Criteria:

- Proficient or Advanced on the Keystone Literature Exam
- 4 or 5 on the Language/Literature and Composition Advanced Placement (AP) Exam
- English learners have met all criteria for reclassification by October 1st of their graduating year.

World Language Criteria:

- 4 or 5 on the Advanced Placement (AP) World Language and Culture Exam
- Intermediate to High on Assessment of Performance toward Proficiency in Languages, including ASL
- Using the ACTFL Assessment of Performance toward Proficiency in Languages (a web-based proficiency and performance assessment).



Adams County Technical Institute PROGRAM OVERVIEW

Adams County Technical Institute provides career and technical education to high school juniors and seniors from the Bermudian Springs, Conewago Valley, Fairfield, Gettysburg, and Littlestown school districts. Students who choose to learn in one of our eight programs spend half the day at ACTI engaged in hands-on learning while using industry standard tools and equipment. Each program allows students to gain industry certifications which measure competence in core content and performance standards in a specific set of work-related tasks that are connected to workforce demands.

In addition to creating talented members of the workforce, we partner with various Adams County businesses and organizations to offer internships and cooperative education to our students. Each of our programs allows the opportunities to earn post-secondary credits through dual enrollment and/or articulation agreements. Dual enrollment allows students to earn college credit and high school credit at the same time. These credits count towards a degree at the issuing college or can be transferred to other colleges. College credits can also be earned through local articulation agreements where students can earn credits for the issuing college only after successfully completing the two-year program. The SOAR Statewide Articulation, set up by the Pennsylvania Department of Education, is available at various community colleges in Pennsylvania.

KEY TO PROGRAM OPPORTUNITY OFFERINGS:

CT Industry Certifications

JS Job Shadowing

CO Cooperative Education

EM Immediate Employment

CC College Credits

IN Internships

OP Open-to-Public Learning
House Project, Lunchroom, Preschool

SOAR Articulation

Allied Health



- Develop patient care skills used by practicing healthcare providers.
- Explore the anatomy, physiology, and pathology of the human body.
- Experience the healthcare environment through job shadowing and simulation experiences in the laboratory.

Building Trades



- Operate professional power tools and equipment safely to build a wide range of projects.
- Establish industry safety skills through OSHA-30 certification in General Construction.
- Build a house using all skilled construction trades including framing, siding, roofing, electrical, masonry, plumbing and HVAC.

Career Connections



- Develop technical skills in the workplace within a desired occupational field.
- Experience work tasks and procedures related to future goals to help jumpstart your career.
- Acquire an entry-level paid position and earn an industry-recognized certification.

Expand Your Optional
Merge your career-tech experience and academic education to gain a powerful competitive advantage in today's new economy.

Computer Networking



- Create PC's from parts - from an empty case to a functioning system - and configure the operating system on your custom-made computer.
- Turn a system into a server and transform a tangle of wires into a managed network.
- Expand your network into a wide area by connecting your domain to others, making sure to identify and troubleshoot problems as they occur.

Criminal Justice



- Investigate community-oriented policing, community trust, and police ethics.
- Use current laws about arrest, search and seizure of evidence, legal definitions, constitutional issues, and case studies to jumpstart your criminal justice career.
- Develop skills in handcuffing, fingerprinting, securing a crime scene, collecting evidence, interviews and interrogations, report writing, and tactical medicine. Gain experience through job shadowing and scenario experiences in the laboratory.

Culinary Arts



- Develop core culinary skills to unlock your inner food artist. Your canvas is a plate!
- Experience all aspects of running a restaurant by designing a menu and serving it in our open-to-the-public restaurant.
- Launch into a dynamic career including Executive Chef, Pastry Chef, Food Stylist, Food Scientist and more.

Find Your Future!

Use your career-tech experience to earn an above-average wage, pay for advanced training, and earn money for college.

Diesel Technology



- Use modern tools and test equipment and disassemble and assemble diesel engines.
- Troubleshoot and repair vehicle electronics and electrical circuits.
- Experience what it is like to work in a diesel shop.

Early Learning



- Inspire preschool children to learn kindergarten readiness skills.
- Engage in infant, toddler, elementary, and special needs classrooms.
- Discover best practices for caring for and teaching children birth - 12.

Adams County Technical Institute

Allied Health: Mrs. Penton
Building Trades: Mr. Snyder
Computer Networking: Mr. Kosmon
Culinary Arts: Chef Schaffner
Diesel Technology: Mr. Penton
Early Learning: Mrs. Johnson
Criminal Justice: Mr. Slimmer

www.acti-pa.org

The Adams County Technical Institute (ACTI) program is a two-year Career and Technical Education (CTE) program which is open to students from Bermudian Springs, Fairfield, Gettysburg, Littlestown and New Oxford high schools. Students apply to ACTI during 10th grade. ACTI classes are held on the campus of Gettysburg Area High School. Admission to ACTI is competitive. Students are admitted based on their application score and school district guidelines. ACTI staff visit the participating high schools during the fall semester to give sophomores information about our programs.

Students who choose to attend ACTI gain in-depth knowledge in a specific career area. They learn the theoretical foundations of the career field, then apply that knowledge through hands-on experiences. Juniors attend ACTI from 7:30 am to 9:30 am. Seniors attend ACTI from 12:00 noon to 2:35 pm. A 12th grade student may apply to ACTI, but preference is given to students in 11th grade.

After graduation, an ACTI student has multiple options. If a student chooses to enter the workforce, they are well prepared for their career in an entry-level position. If a student chooses to continue their education, they have a solid foundation and understanding as they enter a postsecondary program.

Culinary Arts

- Develop core culinary skills to unlock your inner food artist. Your canvas is a plate!
- Launch yourself into a dynamic Culinary Arts career including: Executive Chef, Pastry Chef, Private Chef, Food Stylist, Corporate Food Scientist and much more!
- Experience all aspects of running a restaurant by designing a menu and serving it in our open-to-the-public restaurant.

Early Learning

- Experience the joy of watching children learn and grow.
- Create exploratory experiences for preschool children.
- Participate in infant, toddler, elementary, and special needs classrooms.

Allied Health

- Develop patient care skills used by practicing healthcare providers.
- Explore the anatomy, physiology, and pathology of the human body.
- Communicate using medical terminology and language.
- Experience the healthcare environment through job shadowing and scenario experiences in the lab.

Criminal Justice

- Develop latent fingerprints using Forensic techniques.
- Use handcuffs to arrest a suspect.
- Manage evidence during a crime scene investigation.

Diesel Technology

- Disassemble and assemble diesel engines.
- Troubleshoot and repair vehicle electronics and electrical circuits.
- Use modern tools and test equipment.
- Experience what it is like to work in a diesel shop.

Building Trades

- Operate professional power tools and equipment safely to build a wide range of projects.
- Build a house using all skilled construction trades including framing, siding, roofing, electrical, masonry, plumbing, and HVAC.
- Establish industry standard safety skills through OSHA-10 and OSHA-30 certification in General Construction.

Computer Networking

- Create PCs from parts – from an empty case to a functioning system – and configure the operating system on your custom-made computer.
- Turn a system into a server and transform a tangle of wires into a managed network. Investigate and determine what data does and does not traverse across your domain.
- Expand your network into a wide area by connecting your domain to others, making sure to identify and troubleshoot problems as they occur.

Culinary Arts I

4 Credits

(PDE CIP 12.0508 Institutional Food Workers)

Prerequisite: Grade 11 or 12

Prepare for employment-related to institutional, commercial, self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experiences related to planning, selecting, preparing and serving of quality food and food products as well as sanitation precautions. Theory components include exploring the history of the foodservice industry, culinary math, Food Safety and Sanitation, purchasing and receiving and Menu Design. Lab classes cover knife skills, product identification, stocks, soups, sauces, starches, vegetable cookery, protein cookery, cooking methods and introduction to baking.

Culinary Arts II

4 Credits

(PDE CIP 12.0508 Institutional Food Workers)

Students continue to develop the skills needed to perform effectively in culinary arts and related occupations. Emphasis on the supervision and management of the food industry. Included; beverages and their impact on sales, banquet and buffet procedures, front of the house operations, table service, proper planning, bulk food production and execution of large scale restaurant functions, nutrition planning and receiving control, and menu design. Other areas of concentration are breakfast cookery, sandwiches and canapés, hors d'oeuvres, salads, garden manger, including pates, terrines, sausage making and curing meats. International and American Regional cuisine, ingredients, advanced baking, pastries and food presentation are included. Students have the opportunity to design, lead, and serve an open to the public luncheon.

Pennsylvania Department of Education "Programs of Study" articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

Early Learning I

4 Credits

(PDE CIP 19.0708 Child Care and Support Services Management)

Prerequisite: Grade 11 or 12

Early Learning will prepare students with skills necessary for employment in any field involving children, including early childhood education, elementary education, pediatrics, and child care. Observations at local early learning facilities may be included throughout this course. Students will also receive training in Pediatric First Aid/CPR/AED. A physical and Mantoux TB test are required at the student's expense.

Early Learning II

4 Credits

(PDE CIP 19.0708 Child Care and Support Services Management)

Early Learning II students will have the opportunity to apply what they have learned in Early Learning I. Students will have the opportunity for field experience in various types of early learning settings, as well as our own student-run preschool.

Pennsylvania Dept. of Education "Programs of Study" articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

Allied Health I

4 Credits

(PDE CIP 51.9999 Health Professions and Related Clinical Sciences)

Prerequisite: Grade 11 or 12

Exploring Medical Language:

Medical Terminology is the study of frequently used medical terms, abbreviations, and symbols as found within their usual contexts. This course is approached through an integrative review of anatomy and physiology, common pathophysiological states, and related diagnostic tests and treatments (including an introduction to the metric system).

Harrisburg Area Community College (HACC) currently offers students the opportunity to register for the following course while participating in the Tech Prep program. Students must meet all HACC admission requirements.

BIO 105 – Medical Terminology (3 credits)

Anatomy and Physiology: This course focuses on the structure and function of the human body. Study includes body systems; what they are, what they do, and how they work together. Class investigates common disease processes associated with each body system

Allied Health II

4 Credits

(PDE CIP 51.9999 Health Professions and Related Clinical Sciences)

Allied Health Science Technology

This course builds on the Level I experience and offers an introduction to Allied Health Professions, placing emphasis on such topics as the evolution and current status of healthcare delivery, various career opportunities, interpersonal and therapeutic communications, legal and ethical issues, and safety. An orientation to basic skills that are essential to the clinical setting is reinforced through laboratory sessions. The course is designed to provide an overview of the healthcare environment through clinical shadowing as well as the core skills and knowledge needed to provide safe and effective delivery of healthcare.

Harrisburg Area Community College (HACC) currently offers students the opportunity to register for the following course while participating in the Tech Prep program. Students must meet all HACC admission requirements.

AH 140 – Allied Health (3 credits)

Pennsylvania Department of Education “Programs of Study” articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two-year program.

Criminal Justice I

4 Credits

(PDE CIP 43.0107 Criminal Justice/Police) Level I

Prerequisite: Grade 11 or 12

The course includes a general introduction into the criminal justice system. Included is the history, function, and the role of law enforcement, courts, and corrections in American society. Examine trends and issues in law enforcement including Constitutional rights and review court cases Explore use of force, deadly force, patrol procedures, criminal investigation techniques, and officer safety issues. Hands-on activities in officer safety, defensive tactics, arrest procedures, report writing, public speaking, report writing and the use of the Pa. Crimes Code and Vehicle Code. Students can participate in the College in the High School program through HACC and obtain 3 college credits in CJ101 Introduction to Criminal Justice if students meet HACC admission requirements.

Criminal Justice II

4 Credits

(PDE CIP 43.0107 Criminal Justice/ Police) Level II

The course expands the study of Police Operations, Criminal Law and Procedure, and Criminal Investigation. Emphasis is on the criminal justice system, criminal investigation, accident investigation, an introduction to forensic science, crime scene investigation, DUI investigation, and First Aid/CPR. Certifications available in the Management of Aggressive Behavior, Personal Protection Police Baton Tactics, Oleoresin Capsicum Aerosol Training, Practical and Tactical Handcuffing, and Personal Protection Defense and Control Tactics.

Students can participate in the College in the High School program through HACC and obtain college credits.

Junior Year: 3 credits in CJ101 Introduction to Criminal Justice

Senior Year: 3 credits in CJ104 Police Operations and 3 credits CJ212 Criminal Law and Procedure

Pennsylvania Dept. of Education "Programs of Study" articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two-year program.

Diesel Technology I

4 Credits

(CIP Code/Title: 47.0613 Medium/Heavy Vehicle and Truck Technology/Technician)

Prerequisite: Grade 11 or 12

The program prepares individuals to apply technical knowledge and skills to repair and service diesel engines and diesel-powered equipment. Instruction is provided in diagnosis of malfunctions; disassembly of engines, fuel injection systems, oil and water pump, generators, auxiliary power units, and basic electrical. Technical manuals, the state inspection code, testing and diagnostic equipment and various hand and power tools are included in the program.

Diesel Technology II

4 Credits

(CIP Code/Title: 47.0613 Medium/Heavy Vehicle and Truck Technology/Technician)

The course expands on knowledge of technical manuals, hydraulic and air brake systems, electrical systems, steering and suspension systems, hydraulic fundamentals, powered axles and transmissions, state inspection code, testing, diagnostic equipment, forklift safety and operation training, and various hand and power tools. Students have the opportunity to shadow at facilities relevant to their career choice during the 3rd and 4th marking periods.

Pennsylvania Department of Education "Programs of Study" articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two-year program.

Building Trades I

4 Credits

(PDE CIP 46.9999 Construction Trades)

Prerequisite: Grade 11 or 12

Students are taught the principles and industry practices related to the residential construction industry. Students receive instruction on safe tool operation, blueprint reading, masonry, framing, trim carpentry, electrical house wiring, interior and exterior wall finishing, plumbing, and heating and air conditioning.

Building Trades II

4 Credits

(PDE CIP 46.9999 Construction Trades)

Building Trades II is the lab practicum component to the Building Trades curriculum. Students will be onsite at the school district's designated work site practicing skills and techniques.

Pennsylvania Department of Education "Programs of Study" articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two-year program.

A \$25 fee is required for the online OSHA 10 hour construction certification.

Computer Networking I

4 Credits

(PDE CIP 11.0901 Computer Networking and Telecommunications)

Prerequisite: Grade 11 or 12

This course is aligned with Cisco's IT Essentials 6.0 curriculum. IT Essentials introduces students to the fundamentals of computer hardware and software, mobile devices, printers, security and networking concepts and the responsibilities and soft skills required to become an IT professional. By the end of the course, students will be able to describe the internal components of a computer and assemble a computer system, install and understand operating systems on computers and mobile devices, connect to the Internet and share resources in a networked environment, and troubleshoot using system tools, diagnostic software, and critical thinking skills.

Computer Networking I prepares students for the CompTIA A+ certification exam. During the spring, students will explore cybersecurity essentials, and the first section of CCNA (Cisco Certified Network Associate) training – Intro to Networking.

Computer Networking II

4 Credits

During Computer Networking II, students will complete the first two portions of CCNA (Cisco Certified Network Associate) training: Intro to Networks and Routing and Switching Essentials. The first semester covers network architecture, structure and functions. It also introduces students to the principles and structures of IP addressing and the fundamentals of Ethernet concepts, media, and operations. By the end of CCNA I, students will be able to explain network technologies, explain how devices access local and remote network resources, describe router hardware, explain how switching operates, design IP addressing schemes, configure initial network device settings, and configure monitoring tools. CCNA II: Routing and Switching Essentials covers the architecture, components, and operations of routers and switches in a small network. Students will be able to implement VLANs, static routing, DHCP, NAT, and ACLs.

This course prepares students for CompTIA Network+ certification and/or CCENT (Cisco Certified Entry Network Technician). Pennsylvania Department of Education "Programs of Study" articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two-year program.