

2024-2025



Greensburg Salem High School

Course Selection Guide



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Requirements for Graduation

Graduation from Greensburg Salem High School is based on requirements set by the Pennsylvania Department of Education and the Greensburg Salem School Board.

- Scholastic achievement in grades 9, 10, 11, and 12 determine a student's status for graduation.
- Students must have successfully completed a total of 27 credits to be eligible for graduation.
- These 27 credits must be distributed as indicated on the next page.
- No student who fails to meet graduation requirements will receive a diploma or be permitted to participate in commencement exercises.
- Successful completion of each of the four components of the Career Awareness Program (CAP) is a requirement for graduation.
- Demonstration of completion of a PA Pathway to Graduation (ACT 158).

It is the responsibility of each student to review his progress toward meeting graduation requirements. Minimum course requirements are:

Course Title/Description	Units of Credit
English	4.0
Mathematics	3.0
STEM *	1.0
Science	3.0
Social Studies **	4.0
Physical Education ***	1.0
Health	0.5
Career Awareness Seminar (CAP)	0.5
Financial Literacy	0.5
Computer Applications	0.5
Arts & Humanities	2.0
General Electives	7.0

MINIMUM REQUIRED FOR GRADUATION: 27 credits.

***NOTE:** Courses eligible for meeting the STEM course requirement will be outlined annually in the high school course select book.

****NOTE:** History and Government of the United States must be taught to all learners as a requirement of Section 1605 of the Public School Code of 1949.

*****NOTE:** 0.5 credit Physical Education courses are required in two separate school years, preferably in grades 9 and 10

Basic Subject and Credit Requirements to Meet Graduation Standards for Greensburg Salem High School

9th Grade

Pre AP/English 9
American History
Mathematics
Earth & Space Science (.5)
Environment and Ecology (.5)
Freshmen Seminar (.5)
Physical Education (.5)
Health (.5)
Elective (2.5)

Electives:

Choose from those
electives available to
grade 9

10th Grade

Pre AP/English 10
US Government Politics
Mathematics
Biology
Electives (4)

Electives:

Choose from those
electives available to
grade 10

11th Grade

English 11 or
AP Lang and Comp
International Studies
Mathematics
3rd year Science(s)
Financial Lit (.5)
Electives (3.5)

Electives:

Choose from those
electives available to
grade 11

12th Grade

English 12 or
AP Lit and Comp
Law/Economics
Math or STEM
Electives (4)

Electives:

Choose from those
electives available to
grade 12

Dropping or Changing a Course

The student's choice of courses in the Greensburg Salem High School is mainly the student's parent/guardian responsibility. State and school district requirements are kept at a minimum to provide as many options as possible.

The scheduling procedure will begin the second semester for the following year to provide adequate time to prepare sound programs of study. Any revisions which become necessary can be accommodated throughout the remainder of the school year if the reasons for the change are sound. The master schedule is built based on "student request" which is done prior to the school year. ***Upon the completion of scheduling, schedule change request will not be honored. Changes will be made for administrative purposes only, for example, scheduling conflicts.*** Scheduled change requests are done only with administrative approval, and with the student's best interest in mind.

Guidance Department

The School Counselors of the Greensburg Salem School District is interested in helping each student understand their own abilities, to discover their interests, and plan their program of studies and activities so that they will be able to reach their goal and achieve success in the future.

The Guidance office has current information posted on their website www.greensburgsalem.org regarding educational, testing, and scholarship opportunities.

During the school year, many admission officers from vocational, trade, technical, and business schools, as well as colleges, hold conferences in our school for interested students. Juniors and Seniors are encouraged to attend the sessions.

Representatives from the military services and the service academies also hold conferences at the high school during the school year.

First Letter of Student's Last Name

Counselor and Phone Number

A – L..... Mrs. Laura Klipa - 724.832.2960 - Laura.Klipa@gslions.net

M – Z Mr. John Manley - 724.832.2960 - John.Manley@gslions.net

General Inquiries - Mrs. Deborah Yasika, Guidance Office Secretary - 724.832.2960 x3 - Deborah.Yasika@gslions.net

REMIND PARENT NOTIFICATION:

Please visit the Guidance website to sign up for REMIND TEXT ALERTS and further information.

Class of 2028 Text @gsguid28 to 81010

Class of 2027 Text @gsguid27 to 81010

Class of 2026 Text @gsguid26 to 81010

Class of 2025 Text @gsguid25 to 81010

Pennsylvania Pathways to Graduation

Keystone Proficiency Pathway *Numeric or Non-Numeric Scores*

Algebra I
Proficient or Advanced

Biology
Proficient or Advanced

Literature
Proficient or Advanced

Keystone Composite Pathway *Numeric Scores Only*

At least 1 Keystone Exam scaled score is
1500 or Greater

No Keystone Exam score is
Below Basic

The Keystone Exam 3-score composite is
4452 or Greater
The Keystone Exam 2-score composite is
2939 or Greater
(where eligible under §121.1)

CTE Concentrator

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

CTE Concentrator

1 Artifact from pathway criteria

Alternative Assessment

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

Alternative Assessment

1 Artifact from pathway criteria

Evidence-Based Pathways

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

Evidence-Based

3 Artifacts from pathway criteria

Waiver

A student in 12th grade, or experiencing extenuating circumstances, who meets locally established grade-based requirements for Keystone content area(s) in which the student is less than proficient, and is unable to satisfy the requirements of a graduation pathway may be granted a waiver by the chief school administrator.

Individualized Education Plan

A student with a disability who is unable to satisfy pathway requirements but who satisfactorily completes a special education program is granted a diploma under Title 22 §4.24.

NOTE: Although this infographic displays a sequential progression, students may fulfill criteria under the CTE Concentrator, Alternative Assessment, or Evidence-Based Pathways prior to demonstrating proficiency in Keystone academic content through Keystone Exam scores or locally established grade-based requirements.

Pathway Criteria

CTE Concentrator	Alternative Assessment	Evidence-Based
1 Artifact	1 Artifact	3 Artifacts consistent w/student goals ONE or more from Section One No more than TWO from Section Two
<p>Industry-based competency certification</p> <hr/> <p>Likelihood of industry-based competency assessment success</p> <hr/> <p>Readiness for continued engagement in CTE Concentrator program of study</p>	<p>Attainment of one alternative assessment score or better: ACT (21), ASVAB AFQT (31), PSAT/NMSQT (970), or SAT (1010)</p> <hr/> <p>Attainment of Gold Level or better on ACT WorkKeys</p> <hr/> <p>Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than Proficient</p> <hr/> <p>Attainment of 4 or better on IB Exam(s) related to each Keystone content area in which less than Proficient</p> <hr/> <p>Successful completion of concurrent enrollment course(s) related to each Keystone content area in which less than Proficient</p> <hr/> <p>Successful completion of a pre-apprenticeship program</p> <hr/> <p>Acceptance into accredited, non-profit Institution of Higher Education (IHE) 4yr program for college-level coursework</p>	<p>Section 1</p> <hr/> <p>Attainment of 630 or better on any SAT Subject Test</p> <hr/> <p>Attainment of Silver Level or better on ACT WorkKeys</p> <hr/> <p>Attainment of 3 or better on any AP Exam</p> <hr/> <p>Attainment of 3 or better on any IB Exam</p> <hr/> <p>Successful completion of any concurrent enrollment or postsecondary course</p> <hr/> <p>Industry-recognized credentialization</p> <hr/> <p>Acceptance into accredited, non-profit Institution of Higher Education (IHE) for college-level coursework in an other-than-4yr program</p> <hr/> <p>Section 2</p> <hr/> <p>Attainment of Proficient or Advanced on any Keystone Exam</p> <hr/> <p>Successful completion of a service-learning project</p> <hr/> <p>Letter guaranteeing full-time employment or military enlistment</p> <hr/> <p>Completion of an internship, externship, or cooperative education program</p> <hr/> <p>Compliance with NCAA Division II academic requirements</p>

Pathway to Graduate Criteria

To graduate, students must meet one of the following pathway requirements outlined in PA Act 158:

Keystone Proficiency Pathway

Scoring proficient or advanced on each Keystone Exam - Algebra I, Literature, and Biology.

Keystone Composite Pathway

Earning a satisfactory composite score on the Algebra I, Literature, and Biology Keystone Exams.

The Composite Pathway requirements are:

- Score at least 1500 on one of the three Keystone Exams (Proficient), and
- Earn an overall composite score of 4452 for all three Keystone Exams

Alternate Assessment Pathway

- Attainment of an established score on an approved alternate assessment (SAT, PSAT, ACT, ASVAB);
- Gold Level on the ACT WorkKeys Assessment;
- Attainment of an established score on an Advanced Placement Program or an International Baccalaureate Diploma Program exam in an academic content area associated with each keystone Exam on which the student did not achieve at least a proficient score;
- Successful completion of a concurrent enrollment course in an academic content area associated with each Keystone Exam in which the student did not achieve at least a proficient score;
- Successful completion of a pre-apprenticeships program; or
- Acceptance in an accredited 4-6 year nonprofit institution of higher education and evidence of the ability to enroll in college-level coursework

Evidence Based Pathway

- Successful completion of locally established grade-based requirements for academic content areas associated with each Keystone Exam on which the student did not achieve proficiency and demonstration of three pieces of evidence consistent with the student's goals and career plans, including one of the following:
 - Attainment of an established score on the ACT WorkKeys assessment, a SAT subject test, an Advanced Placement Program Exam, or an International baccalaureate Diploma Program Exam;
 - Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution and evidence of the ability to enroll in college-level coursework;
 - Attainment of an industry-recognized credential; or
 - Successful completion of a concurrent enrollment or postsecondary course; and

Two additional pieces of evidence, including one or more of the options listed above, or: satisfactory completion of a service learning project; attainment of a score of proficient or advanced on a Keystone Exam; a letter guaranteeing full-time employment; a certificate of successful completion of an internship or cooperative education program; or satisfactory compliance with the NCAA's core courses for college-bound student-athletes with a minimum grade point average (GPA) of 2.0.

CTE Pathway

For Career and Technical Education (CTE) Concentrators, successful completion of locally established grade-based requirements for academic content areas associated with each Keystone Exam on which the student did not achieve proficiency and attainment of an industry-based competency certification related to the CTE Concentrator's program of study or demonstration of a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE Concentrator's program of study.

College in High School

Students will receive dual credit (high school and the college/university) for enrolling in college-level courses taught at the high school by high school staff while using college an approved college curriculum with some oversight from college faculty and staff. Students earn college credit by passing the course and paying reduced tuition for the credits. Grades are recorded on a permanent college transcript and the high school transcript. Students remain at their high school while completing college coursework and fulfilling high school graduation requirements at the same time. CHS students are assured of earning college credit as long as they are successful in meeting the course requirements and paying the reduced tuition fee. Currently, Greensburg Salem has an agreement with St. Vincent College, Seton Hill University, Westmoreland County Community College, and Carlow University for the courses listed below (subject to change).

SETON HILL UNIVERSITY (SHU)

<u>HS Course</u>	<u>College Course</u>	<u>SHU Course #</u>
Pre AP French	Introduction to French Language & Culture I	SFR 100
AP French.....	Introduction to French Language & Culture II	SFR105
French VI.....	Intermediate French.....	SFR205
Pre AP Spanish.....	Elementary Spanish Language & Culture II.....	SSP105
AP Spanish	Intermediate Spanish Language & Culture.....	SSP205
Spanish VI.....	Topics in Spanish Usage	SSP250
AP Lit and Comp.....	Topics in Literature	SEL151
Journalism I.....	News, Arts, and Sports Writing.....	SEL160
Honors Advanced Chemistry.....	General Chemistry & Lab I.....	SCH140/141
AP Chemistry	General Chemistry & Lab II.....	SCH142/143
AP Physics I	College Physics I & Lab.....	SPH 106/107
AP Physics II.....	College Physics II & Lab	SPH 108/109
AP Biology.....	General Biology I & Lab.....	SBL150/151
Issues in Ecology.....	Environment & Society	SSO235

WESTMORELAND COUNTY COMMUNITY COLLEGE (WCCC)

<u>HS Course</u>	<u>College Course</u>	<u>WCCC Course #</u>
CAD Mechanical.....	3D Solid Modeling I.....	DFT266
AP English 12.....	Introduction to Literature.....	ENG255
French III.....	Beginning French I.....	FRN155
Pre AP French	Beginning French II.....	FRN156
AP French.....	Intermediate French I	FRN255
French VI.....	Intermediate French II.....	FRN256
Spanish III	Beginning Spanish I	SPA155
Pre AP Spanish.....	Beginning Spanish II.....	SPA156
AP Spanish	Intermediate Spanish I.....	SPA255
Spanish VI.....	Intermediate Spanish II.....	SPA256
Honors Adv. American History	Early US & PA History	HIS255
H.Adv.Cont.Am. Hist./AP Am. History.....	Modern Western Civilization	HIS256
AP Calculus.....	Analytical Geometry & Calculus I	MTH172
Calculus II.....	Analytical Geometry & Calculus II.....	MTH173
Anatomy & Physiology	Human Biology	BIO107
AP Biology.....	General Biology	BIO155
Plant and Animal Bio	Zoology	BIO210
Honors Accounting II	Accounting I.....	ACC155
AP Psychology	General Psychology.....	PSY160
AP Statistics	Intro to Statistics.....	MTH160

SAINT VINCENT COLLEGE (SVC)

<u>HS Course</u>	<u>College Course</u>	<u>SVC Course #</u>
AP Spanish	Intermediate Spanish I.....	SP 203
Spanish VI.....	Intermediate Spanish II.....	SP 204
Kennamental Internship.....	Kennamental Young Engineers	ENGR099

Advanced Placement (AP) Courses

Advanced Placement (AP) courses enable students to pursue college-level studies while still in high school. AP provides willing and academically prepared students with the opportunity to earn college credit and/or advanced placement credit. Taking AP courses also demonstrates to college admission officers that students have sought out the most rigorous curriculum available to them.

Each AP course is modeled upon a comparable college course, and college and university faculty play a vital role in ensuring that AP courses align with college-level standards.

Each AP course concludes with a college-level exam developed and scored by college and university faculty members as well as experienced AP teachers. AP Exams are an essential part of the AP experience, enabling students to demonstrate their mastery of college-level course work. AP Exams are voluntary at Greensburg Salem High School. The cost of the exam is determined by the AP company but currently there is incentive by the Greensburg Salem Education Association that provides reimbursement for students who score a 3 or higher on their exams. Universities in more than 60 countries recognize AP Exam scores in the admission process and/or award credit and placement for qualifying scores.

Dual Enrollment College Courses

Students, upon acceptance by a college, community college or university, may enroll in summer courses, evening courses or afternoon courses. Where early dismissal is required to attend such classes, the schedule at Greensburg Salem High School shall be adjusted. Credits earned in this fashion may be submitted for evaluation as possible substitution for elective courses.

College and Career Planning

1. **Understand yourself.** Know your ability, interest, aptitude, and potential. Be aware of your limitations, for these might weigh heavily in your decision.
2. **Learn about the world of work.** Investigate the different occupational fields of work. Make good use of the many materials that are provided for you in our library and the counselors' offices. Do not hesitate to ask for information that would help you gain a clear picture of what is involved in any job field.
3. **Become aware of the many kinds of post high school educational opportunities.** On file in the school, you will find information about many kinds of schools that offer post high school training. College catalogs are available in large numbers. Bulletins of information from business schools are available.
4. **Match yourself and your career information as best you can.** Analyze yourself as a person with relation to the fields you study. Do you like working with people, or do you prefer to work alone? Do you like close, analytical study with particular attention to minute details, or do you prefer to work in broad generalities? Most of the materials available will give you a good description of the type of personality necessary for success in that field. Study these carefully; discuss them with your parents and with others who can help to guide you.
5. **For those of you planning on enrolling in post-secondary schools, be sure you review each institution's course requirements for admission. *THIS INCLUDES STUDENTS PLANNING TO ATTEND THE CAREER AND TECHNOLOGY CENTER (CTC)!!!! CTC STUDENTS ARE ALSO ELIGIBLE FOR COLLEGE ADMISSION.***

Timetable for High School Students

	Fall Semester	Spring Semester
Freshman	<ul style="list-style-type: none"> • Get involved with extra-curricular activities. • Complete a Four Year Plan with your counselor. • Meet with reps from the Career and Technology Center (CTC). • Register for Guidance Remind Alerts 	<ul style="list-style-type: none"> • Individual scheduling appointments with counselor. • Discuss plans with parents and school counselor. • Visit the Career and Technology Center (CTC). • Participate in summer programs in your area of interest.
Sophomores	<ul style="list-style-type: none"> • Meet with representatives from schools. • Take the ASVAB test in October. • Participate in co-curricular/extracurricular activities. • Consider applying for the HOBY Leadership Conference. 	<ul style="list-style-type: none"> • Individual scheduling appointments with counselor. • Continue to discuss course selections with parents and counselors. • Participate in co-curricular/extracurricular activities. • Participate in summer programs in your area of Interest. • Meet with a minimum of three career speakers. • Begin to acquire community service hours.
Juniors	<ul style="list-style-type: none"> • Begin the college exploration process. • Take the PSAT/NMSQT in October (National Merit Qualifying Test). • Meet with representatives from various schools. • Attend the Westmoreland School Counselors College and Career Fair. • Complete Job Shadow Requirement • Meet with Military Representatives. • Meet with career speakers. • Participate in co-curricular/extracurricular activities. • Financial Aid Night @ GSHS • Make visits to post-secondary schools. 	<ul style="list-style-type: none"> • Individual scheduling appointments with counselor. • Take the SAT or ACT in March, May or June • Make use of the Counseling Department's resources to continue the college exploration process. • Request information from colleges. • Register for senior year carefully, reviewing college admissions requirements. • Complete Job Shadow Requirement • Use summer vacation time to write essays. • Request letters of recommendation. • Participate in summer programs in your area of interest. • Get started on the Senior Graduation Project.
Seniors	<ul style="list-style-type: none"> • Finalize list of colleges/military choices/technical schools. • Visit schools while they are in session. • Retake the SAT and/or ACT if necessary. • Sign up to meet with college reps. • Attend the Westmoreland School Counselors College and Career Fair. • Check in with the counselors for scholarship/program information. • Submit applications according to deadlines. • Financial Aid Night @ GSHS • Finalize military plans. • Complete Senior Graduation Project. • Complete FAFSA beginning October 1st. 	<ul style="list-style-type: none"> • Respond to college offers of admission and financial aid. • Submit required deposits. • Senior Exit Interview. • Apply for scholarships. • Pay attention to deadlines • Complete academic awards declaration.

For The College Bound

Admission Testing Program: Colleges and universities require entrance examinations. There are two types of College Entrance Examination Board tests - Scholastic Aptitude Test and the Achievement Tests. Consult college catalogs online for current information about required tests and recommended test dates.

1. PSAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT)

The Educational Testing Service, on behalf of the College Entrance Examination Board and the National Merit Scholarship Corporation (NMSC), offers the Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT) each October. This two-hour test is similar to the Scholastic Aptitude Test (SAT) and measures critical reading, writing, and math problem-solving skills. It is recommended for use in guiding sophomores, juniors, and some seniors who plan to continue their education. The test is required of juniors who are United States citizens and who wish to seek recognition and financial awards through scholarship programs administered by NMSC. Taking the PSAT/NMSQT is the first step to entering the scholarship programs administered by NMSC and can provide advance indication of college capability that can be used to make a wise, realistic choice of college. Publications that furnish additional information about the PSAT/NMSQT and the scholarships administered by the National Merit Scholarship Corporation are available at <http://www.collegeboard.com/student/testing/psat/about.html>

2. SAT - (Writing, Critical Reading and Mathematics Sections)

The Scholastic Aptitude Test is given on scheduled Saturday mornings and requires three hours and 45 minutes.

More information, practice questions, scoring guides, free downloads, etc. can be found at

<http://www.collegeboard.com>

Greensburg Salem High School's College Entrance Examination Board Number is 391575.

Registration for the SAT's can be found online at www.collegeboard.com

College Board fees are announced at the time of registration. We recommend that you complete the registration online for accuracy and important information regarding testing dates, times, and location.

3. American College Testing Program (ACT)

Some colleges require the American College Testing Program as part of their admissions or placement procedures.

The ACT is made up of four tests, each averaging about forty-five minutes in length. Test items are designed to measure ability to perform the kinds of intellectual tasks that college students typically perform. Thus the tests are concerned with intellectual skills and abilities, not with specific and detailed content. The English examination is primarily a test of appropriate and effective written expression. Most items are concerned with elements of diction, style, phraseology, form, and organization; other items are related to the mechanics of writing.

The mathematics test is concerned with mathematical reasoning, mathematical skills and concepts. The tests in social studies and natural sciences are designed to measure the ability to reason and solve problems. They also include items that test knowledge of information sources and capacity for special study. A total score of these four tests provides an estimate of ability to succeed academically in college.

The writing exam is optional; however, it is recommended that students take this test since many colleges require it.

The ACT is given periodically throughout the school year. Most colleges and scholarship agencies participating in the ACT program recommend that prospective applicants take the test late in the junior year or as early as possible in their senior year.

Completing the College Application

In order to expedite the college application process, the Counseling Department recommends that students follow these procedures:

1. Applications differ, so read each one carefully and follow directions scrupulously.
2. If completed on paper, type or print neatly, in ink, the information on the application, unless otherwise instructed. If completing online, check for any typing errors. You will be asked to provide your counselor's email.
3. When an essay is a part of the application, be sure to address your thoughts to the question asked, express yourself clearly, and use correct grammar and spelling.
4. When recommendations are required, give the people you ask sufficient time to write them. Letter of Recommendation Request Forms Must Be Completed. (Remember, other students may also be asking the same people for recommendations.)
5. Bring the completed application, the fee, postage and the transcript request form to the Counseling Office. Be sure you're turning materials in at least ten (10) days before the deadline.
6. The counselor will review your application, complete portions required of the high school, and add your official transcript. The entire application package is then mailed from the high school to the college admissions office.

Remember this: Your college application is a written representation of you as a potential student for the college.

The impression it creates with the college admissions committee may very well determine whether you will be offered admission.
Take time to do it well!

Financial Aid

Financial aid may consist of grants, loans, scholarships, and/or work-study. The grant is a specific amount of money given to the student that is not repayable. The loan, as the term implies, is an amount of money loaned to the student. It accrues interest charges and must be repaid by a specific date. Scholarships are free money, usually based upon either student merit or student need. They are not repayable. Work-study generally consists of a part-time job (8-12 hours a week) through which a student may earn part of the college expenses. Financial aid may be offered to the student in one form or in any combination of the three forms listed.

The Counseling Department offers a Financial Aid Night for parents during the school year and several programs to assist families in completing the Free Application for Federal Student Aid (FAFSA) form.

Most colleges will require a financial statement of some type by which they can determine the extent of financial need. Usually, schools look for families to complete the Free Application for Federal Student Aid (FAFSA). The Counseling Office offers several FAFSA Completion Workshops to assist families in completing the FAFSA. The college assumes that the family will make a maximum effort to assist the student with college expenses. Financial assistance from colleges and other sources should be viewed only as supplementary to the efforts of the family. FAFSA forms can be filed beginning October 1st of the senior year.

The Director of Financial Aid at each college is the best source of information for applicants concerning the financial aid programs available.

In estimating the amount that a student's family can provide for college expenses, the college considers the factors that affect the family's financial strength: current income, assets, number of dependents, other educational expenses, debts, and retirement needs. In addition, it will consider such special problems as those confronting single parent households and families in which both parents work. Financial assistance awards are reviewed annually and adjustments made as needed. In addition to need, academic achievement of the student is also a determining factor in the awarding of any financial aid from the college. Obviously, the college is most willing to assist those students who have exhibited academic promise through their high school career.

Scholarships

The high school guidance office will advertise scholarships and other financial aid opportunities on the guidance website and the guidance office on a regular basis.

Generally speaking, financial aid opportunities fall into the following groups:

1. Those offered by colleges or universities

In considering financial aid offered by colleges and universities, it is wise to keep in mind that there are more than 3,000 institutions of higher learning in the United States. Nearly all of these schools have financial aid opportunities that are described in the individual catalogs. Only a few send special announcements regarding financial aid to the high schools. Students and parents should consult the college websites or call the financial office of the college.

2. Those offered by organizations on a regional or national scale

This form of aid is usually based on the parents working for or being affiliated with the sponsoring agency. Sponsors could be the company for which the parent works, the church of which the student is a member, or fraternal order or union to which the parent belongs.

3. Those offered by local organizations or individuals

Financial aid awards are made on the basis of competitive examination or the scholastic record of the applicant, or both—usually in the form of a grant. Participation in school activities, character and citizenship, financial need, and the resources of the family are considered.

4. Those offered through the Pennsylvania State Grant Program

The State Grant Program, under the direction of the Pennsylvania Higher Education Assistance Agency (PHEAA), is designed to assist graduates of Pennsylvania secondary schools who need financial assistance to attend the higher education institution of their choosing. The awards vary in amount and may be used to assist in meeting undergraduate educational costs. They are subject to annual review. Awards may change from year to year, and renewal for each of the upper-class years is contingent upon the student's satisfactory character and academic standing, continued need for financial assistance, and availability of funds as appropriated by the General Assembly. The student applicant must meet citizenship and residency requirements as defined by the law.

Applications for aid through PHEAA will be completed during the senior year by the parents and students.

Financial Aid

The financial aid application (FAFSA) is available online from the US Department of Education. The FAFSA application form is designed to be used to apply for both state and federal grant programs, and is the first step in determining eligibility for government subsidized student loans. No processing fee is charged for the FAFSA application. Students and parents are cautioned to beware pseudo-FAFSA web sites or other sources that charge a fee for completion of financial aid applications—these are common scams.

Seniors may now file their FAFSA beginning on October 1st of their senior year.

More information is available at www.fafsa.ed.gov

NCAA Initial Eligibility and Clearinghouse Issues

Core Courses

NCAA Divisions I and II require 16 core courses. See the charts below.

Beginning August 1, 2016, NCAA Division I requires 10 core courses to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math, or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement.

**** As of August 1, 2016, it is possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10-course requirement, but would not be able to compete.*

Test Scores

Division I uses a sliding scale to match test scores and core grade-point averages (GPA).

Division II requires a minimum SAT score of 820 or an ACT sum score of 68. The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.

The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.

When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

Grade-Point Average

Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Speak with your school counselor about eligible courses.

Division I GPA required to be eligible for competition **after August 1, 2016**, is 2.300.

The Division II core GPA requirement is a minimum of 2.000.

Remember, the NCAA GPA is calculated using NCAA core courses only.

DIVISION I 16 CORE COURSES	DIVISION II 16 CORE COURSES
<ul style="list-style-type: none">• 4 years of English• 3 years of mathematics (Algebra I or higher)• 2 years of natural/physical science (1 year of lab if offered by high school)• 1 year of additional English mathematics or natural/physical science• 2 years of social science• 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)	<ul style="list-style-type: none">• 3 years of English• 2 years of mathematics (Algebra I or higher)• 2 years of natural/physical science (1 year of lab if offered by high school)• 3 years of additional English mathematics or natural/physical science• 2 years of social science• 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

More information on the NCAA eligibility and student-athlete eligibility can be found online at www.eligibilitycenter.org

Military Service Academics

Each senator and congressman is provided a quota of five (5) student placements at any one time for attending each Service Academy. When one of these students is graduated, a vacancy occurs which the senator or congressman may fill. Therefore, senators and congressmen may have one or sometimes two appointments in any given year to each of these academies. It is possible that in some years there is no vacancy.

Each member of Congress usually nominates ten (10) people for each appointment. The procedure is competitive. The ten nominees for each appointment are submitted to the Academic Board of each respective academy and the best-qualified competitor receives the appointment. The remaining candidates, who are qualified but do not receive the appointment, are placed on a list of qualified competitors. The academies then use these lists to appoint candidates, in order of merit, to bring the academies to their authorized strength.

Some appointments to the academies are also available under special categories and conditions. For information on these methods, write to the respective academies and request bulletins and regulations on admissions. THIS SHOULD BE DONE IN THE SPRING OF THE JUNIOR YEAR.

Admissions Office	Director of Admissions	Director of Admissions	Director of Admissions
U.S. Military Academy	U.S. Air Force Academy	U.S. Naval Academy	U.S. Coast Guard Academy
West Point, NY 10996	Colorado Springs, CO 80840	Annapolis, MD 21402	New London, CT 06320
www.usma.edu	www.usafa.edu	www.usna.edu	www.cga.edu

Students requesting congressional nominations for any of the service academies should write a separate letter to any or all of the following:

- a. The present U.S. congressman from the congressional district of residence
- b. Each of the current U.S. senators from Pennsylvania

Merchant Marine Academy

Pennsylvania is allotted sixteen (16) appointments to the Merchant Marine Academy. Both Pennsylvania senators and each congressman make ten (10) nominations. The Merchant Marine Academy then conducts a statewide screening of the nominees and selects the best-qualified sixteen (16) appointees on a competitive basis. For more information, write or visit:

Admissions Office
U.S. Merchant Marine Academy
Kings Point, NY 11024
www.usmma.edu

This format is intended as a guide.

A separate letter must be sent to each senator and representative to whom you apply.

Career – Technical Education – Central Westmoreland Career & Technical Center



Greensburg Salem students who wish to take a vocational-technical program may apply for one of many vocational- technical programs offered at the Central Westmoreland Career and Technology Center. The Career and Technology Center is housed near New Stanton (Arona Road). This modern facility is equipped with up-to-date machinery to provide the student with skills and techniques necessary in today's job market. Students wishing to apply for these programs should fill out an application and return it to his/her guidance counselor. The due dates will be announced regularly.

GENERAL INFORMATION

All of us are different due to varying interests, abilities, and personalities. This is fortunate because different jobs require different types of people. In order to choose an occupation, each person must know himself and his capabilities in comparison to others.

The Central Westmoreland Career and Technology Center, a department of your high school, offers quality programming design to provide students with the opportunity to develop vocational - technical skills and behaviors to meet the demands of ever changing business and industry.

High School Program:

- Opportunities are available to both boys and girls.
- The programs are designed to provide for a wide range of interests and abilities.
- Students will attend the Career and Technology Center on a half day basis; they complete their academic requirements at the home high school the other half day. Transportation is provided by the school.
- Students graduate and receive a diploma from the home high school.
- Students enrolled in CWCTC program must remain in the program for the entire school year.

Admission:

Application Review

- a) A committee of counselors and CWCTC administrators meet to review applications
- b) Programs of first choice that have more seats than applicants are filled
- c) Programs of first choice that have more applicants than seats go through the application evaluation process
- d) Application evaluation is completed using a standard rubric
 - i. Student attendance
 - ii. Counselor input
 - iii. GPA
- e) Students who do not get first choice are considered "At-Large" applicants
- f) At-Large applicants are then offered available seats in their second choice
- g) If second choice is filled, At-Large applicants are offered their third choice
- h) If all choices are filled, At-Large applicants are offered seats in available programs

At-Large Applicants

- a) At-Large applicants remain on waiting list for their first-choice program
- b) Waiting list is in ranked order based on application rubric
- c) At-Large students are offered seats in order as they become available
- d) At-Large students who accept their placement in another program will remain on waiting list and can switch programs if a seat becomes available to them
- e) At-Large students may also decline offer to switch programs when seat becomes available

CSIU Processes the Applications for all Schools - Applications are entered and summaries can be printed out on an as needed basis usually after Easter Break summaries are available with student information on CTE Program, Wellness and AM/ PM designations.



Central Westmoreland CTC Programs of Study

Central Westmoreland Career & Technology Center (CWCTC) is proud to offer 18 PDE-approved Career and Technical Education Programs to high school students from 10 sending school districts in and around Westmoreland County. CWCTC is funded through each of these sending schools and provides alternative pathways for careers, post-secondary education, apprenticeship programs, and the military.

While enrolled at CWCTC, students will still attend the high school for core subjects but spend half of the day at CWCTC learning a trade. Each of the 18 programs offers industry credentials and certification, as well as statewide and local articulated credits at post-secondary schools across the state. Information about industry credentials/certification and articulated credits can be found by visiting the CWCTC Guidance Office.

Statewide articulated credit information can be found online at www.CollegeTransfer.net and by searching PA Bureau of CTE SOAR Programs.

Grades 9, 10, 11, and 12 Course Offerings

Automotive Collision Technology	VTC613/713	Service Occupations	VTC653/753
Automotive Mechanics Technology	VTC615/715	Multimedia Design	VTC637/737
Computer Information Science	VTC623/723	Restoration and Design	VTC645/745
Construction Trades	VTC625/725	Powerline	VTC657/757
Cosmetology	VTC627/727	Protective Services	VTC659/759
Culinary Arts	VTC629/729	Robotics Engineering & Manufacturing	VTC635/735
Electrical Technology	VTC633/733	Sports Medicine	VTC660/760
Health Occupations Technology	VTC639/739	Welding and Metal Fabrication	VTC661/761
HVAC & Steamfitting	VTC641/741		
Agriculture & Landscape Design	VTC643/743		

You can contact the Central Westmoreland Career and Technology Center for additional information by calling 724-925-3532 or visiting their website at www.cwctc.org

CWCTC Program Descriptions

Agriculture & Landscape Design

This program is a specialized curriculum designed to prepare students to be desirable employees of architects, landscapers, nurseries, greenhouses, florists or various other landscape businesses. Both maintenance and establishment of lawns, as well as, landscaping homes and businesses are included in the curriculum. The principles of design are also included along with plant identification, budgeting, and cultivation procedures. Certification opportunities; PA Pesticides, ICPI, NCMA, Versa Lock Basic Training

Automotive Collision Technology

Automotive Collision students will learn the skills needed to repair, reconstruct, and finish damaged vehicle bodies, and external features. In a garage setting, students will learn maintenance and safety standards of the automobile industry. They will have the opportunity to work with frame straightening equipment, complete car panel replacement, and in a spray booth, which includes state-of-the-art water-based technology. Students will also practice customer service skills and estimate the cost of vehicle repairs. Certification opportunities; SP2 & OSHA 10

Automotive Mechanics Technology

Students who choose this program will be prepared to work with the latest technology that will provide them with the skills needed to repair, service, and maintain automobile systems and their components. Students will receive instruction in brake systems, electrical systems, fuel systems, engine performance and repair, suspension and steering, and air conditioning. Critical thinking skills will be employed and strengthened through the diagnosis and repair of current model vehicles. System training simulators are utilized and students will learn the procedures for State Inspection and Emissions. Certification opportunities; ASE, PA State Safety Inspection & Emissions, SP2 Safety/Pollution, A4, Lifting it Right, EPA 609, Refrigerant

Computer Information Science

Students in the Computer Information Science classroom will be instructed in various programming languages. Students will gain an understanding of computer fundamentals, Microsoft Office, HTML, Javascript, CSS, C++, Java, and Linux Operating Systems. Students will develop web pages and sites and will learn to troubleshoot backend and frontend applications in a variety of workplace environments. Certification Opportunities; Microsoft Applications, Oracle Data Modeling/SPL, Oracle Java Programming

Construction Trades

Students will be instructed in a variety of the skills in several construction trades areas including carpentry, electrical, masonry, plumbing, and equipment operating. Students will learn the following carpentry skills, cutting, shaping and installation of building materials during the construction of buildings, bridges, concrete formwork, etc. Students will learn aspects of the electrical trades by installing and repairing wiring, to maintaining electrical systems. They will also need to know relevant safety regulations and electrical codes to ensure that you perform your job properly. Students will study the art of masonry which includes bricks, concrete blocks, or natural stones to build structures that include walls, walkways, fences, and chimneys. Students will learn the plumbing of the system of pipes, tanks, fittings, and other apparatus required for the water supply, heating, and sanitation in a building. This program also prepares students to safely maintain and operate different pieces of diesel equipment such as skid loaders and mini excavators. Student learning will include cost estimating and blueprint reading, use and maintenance of power and hand tools, general safety and building code requirements. Certification opportunities; OSHA 10, OSHA 30, American Ladder Safety.

Cosmetology

A salon environment allows students to practice and prepare to become licensed cosmetologists. Students will gain skills in haircutting and shampooing techniques, hair styling, chemical treatments, manicures and pedicures, as well as facial treatments. Information and training will be focused on salon safety and sanitation, customer service, and applicable labor laws and regulations. Students who successfully complete the 1250 hours of coursework will be eligible to take the PA State Board of Cosmetology Examination and may become certified as a licensed cosmetologist upon passing the exam. Certification opportunities; Licensed Cosmetologist, Licensed Nail Technician

Culinary Arts

The students will gain the skills to effectively work in the hospitality industry. Instruction will focus on selecting, storing, preparing and serving food, waitstaff training, menu planning and basic nutrition. Food safety and sanitation and learning the proper techniques to use and care for commercial equipment will be taught as well. Throughout the course, students will receive an introduction to baking and pastry arts, to include cake decorating. Instruction and on the job, training will occur in our industry equipped kitchen and restaurant type setting. Certification opportunities; SP2, OSHA 10, Serve Safe - Allergens, Food Handler, Manager, ProStart COA, Rouxbe, Heartsaver First Aid/CPR, ACF (CFC), ACF (CC)

Electrical Technology

Skilled electricians are needed to perform work in residential, commercial, and industrial settings. Students in this program will learn to install, operate, maintain and repair electrical systems. Use of electrical codes, circuit diagrams, and blueprint reading will be key components. Students will gain valuable experience working with transformers, capacitors, resistors, and conduit bending resulting in a solid background to working in the electrical field. Certification opportunities; OSHA 30, Ladder Safety, Heartsaver First Aid/CPR

Health Occupations Technology

Students choosing this program will gain knowledge to assist them in preparing for a future career in a health-related field. The class will focus on basic structures and functions of the human body, related diseases with associated terminology, legal and ethical aspects of health care, and communication. Nutrition, safety, infection control, emergency care, and disaster preparedness are also studied. Students will combine core book knowledge with skills practice in order to be ready to meet the needs of the healthcare industry. Certification opportunities; AMCA-PCT Testing, First Aid/CPR

HVAC & Steamfitting

The need for trained technicians continues to grow in this field. Students will learn to repair, install, service and maintain heating, air conditioning, and refrigeration systems as well as installing, assembling, fabricating, maintaining, and repairing mechanical piping systems. Students will learn diagnostic techniques, blueprint reading, the use of testing equipment, electronic and pneumatic control systems, and the principles of electricity, electronics and mechanics as each relates to the industry. Students will also learn how to overhaul, repair, and make adjustments to various units and parts. Certification opportunities; OSHA 10/30, EPA, 608 Refrigerant

Service Occupations

Service Occupations is an innovative program focusing on training students in a diverse array of skill sets in service-related employment areas. Students will learn in an environment that fosters good work ethic, competitive time on task and appropriate work skills for each identified career area. The Service Occupations curriculum encompasses the areas of workplace safety, grounds maintenance, cleaning practices, housekeeping, custodial and retail stock, as well as, kitchen safety, cooking and baking, food preparation, dining room services, commercial dishwashing and commercial laundry services. All areas are instructed with the intent of achieving a level of competency commensurate with competitive employment. Certification opportunities; American Ladder Institute, ServeSafe Food Handler, First Aid/CPR

Multimedia Design

Students in this program will be able to apply knowledge and skills in the field of multimedia design. The elements and principles of art are the basis of good design. Combined with graphic design, audio, visual, web introduction, and photography this course provides the instruction necessary to develop a creative concept into a final visual communication product. Oral and written communication, customer service, and display production are a focus. Students will design, edit, and create projects using hand illustration and computer design software such as Adobe Illustrator, InDesign, Photoshop, Premiere, and AfterEffects. Students can earn Adobe Certifications. Certification opportunities; ASA

Restoration and Design

Students in this program will be prepared to apply technical knowledge and skills to finish exterior and interior structural surfaces by applying protective or decorative coating materials, such as paint, stain, and wallpaper. Includes instruction in surface preparation; selecting, preparing, and applying finishes. Students will learn equipment operation and maintenance; finish selection; safety and clean-up; environmental effects on finishes; adhesion properties; and applicable codes and standards. Design, color theory, and faux finishes are also explored. Certification opportunities; NCCER CORE, National Ladder Safety, OSHA 10

Powerline

Students will gain technical knowledge and skills in installation, troubleshooting and repair of telecommunication equipment of all kinds. Throughout the course, students will gain a fundamental understanding of electricity and electronics and will learn about fiber optics and copper based systems. CWCTC students will have the opportunity to study pole and tower climbing techniques, trenching, high voltage installation, maintenance and inspection. safety and applicable codes and standards in regards to the powerline and telecommunications fields. Certification opportunities; National Ladder Safety, OSHA 10, Copper Networking, Fiber Optico

Protective Services

Our instructional program focuses on three areas of learning: firefighting services, emergency medical technician training, and law enforcement. Students will apply technical knowledge and skills required to work in the public safety sector and will be expected to learn a minimum level of proficiency in all areas of the training program. Students have the ability to earn various certifications during their time in the program. The program focuses on personal safety and the relationship between the public safety agencies. Skill sets within the program include vehicle and equipment operations, application of math skills, communication skills, and pre-hospital emergency medical assessment and treatment. Students will participate in live fire exercises in a simulated residential burn building. Certification opportunities; (EBM Program) ICS 100/700, HMA, PSFA Rope I, II, PA-DOH Basic Vehicle Rescue, (Exterior & Interior), First Aid/CPR

Robotics Engineering & Manufacturing

Robotics, Engineering & Manufacturing is a program focused on the development, installation, and use of Advanced Manufacturing devices. This program prepares students for careers in the engineering and manufacturing fields. Students enrolled will learn a combination of electronics, manual machining, mechanical drives, CNC machining, fluid systems, programming, inspection, robotics, properties of materials, and engineering processes. Students who enjoy STEM activities will enjoy this classroom and will be engaged in designing, developing, and testing electromechanical devices, automation systems, manufacturing systems. Students will also learn how to work as a team and develop engineering solutions to problems. There is a focus on industrial systems and procedures. Certification opportunities; SACA(Smart Automation Certification Alliance) Certifications, CNC Mill/Lathe Certifications, OSHA 10 Certification, Ladder Safety Certifications

Sports Medicine

Students will learn the skills necessary to become a rehabilitation aid. They will gain knowledge in medical terminology, anatomy, physiology, and orthopedics. In a rehabilitation lab setting, students will learn how to work with patients in regards to physical therapy treatment plans, how to safely and correctly use equipment, and how to practice taping and wrapping techniques. Additionally, there is a focus on concussion management, emergency medicine, CPR and first aid. Documentation and communication skills are highlighted throughout the course. Certification Opportunities; 7 Credits for Medical Terminology, A&P; Duquesne University; PSU Fayette

Welding and Metal Fabrication

Welding is the most common way to permanently join metal parts. Students in this class will learn technical knowledge and skills to join or cut metal surfaces using stick welding, tig welding, mig welding, and flux core welding. Safety practices are a focus in this program. Instruction includes welding symbols, properties of metals, types and uses of electrodes and welding rods, and blueprint reading. Certification Opportunities; AWS Sense.

Physical Education & Wellness at CWCTC

CWCTC Wellness instruction addresses both Health, Safety and Physical Education standards as well as The Pennsylvania Career Ready Skills Continuum. This new and dynamic approach to instruction allows students to engage in and meet meaningful Health, Safety and Physical Education standards in the context of their desired career path. Instruction is delivered under the supervision of our physical education teachers along with program instructors.

The CWCTC believes that the development of Career Ready Skills, embedded within essential Health, Safety and Physical Education standards, will benefit all students. With this in mind, we have determined that all CWCTC students will participate in Wellness instruction within their programs. As in years past, the course will be worth .5 credits.

Since all students will participate, all students will receive a grade. We understand that this credit may not be attributed toward graduation requirements for Districts who do not utilize the CWCTC for Wellness. Finally, we firmly believe that this model serves as a significant benefit to all CWCTC students, and aligns with our Vision to “influence students to develop necessary academic skills, technical competence, professional qualities, and personal confidence so that graduates can meet the expectations and responsibilities of life.

Courses Available to Seniors

Courses required for Seniors are ENGLISH, LAW & ECON, MATH (Next in Sequence) or STEM Math

ART & MUSIC

ART	904	Instrumental Music Lab .5
ART	907	Concert Band
ART	913	Chorus .5
ART	916	Senior Choir
ART	919	Intro to Music Theory .5
ART	925	AP Music Theory
ART	951	Intro to Art .5
ART	952	Pottery I .5
ART	953	Pottery II
ART	954	Drawing I .5
ART	955	Applied Art .5
ART	956	Drawing II
ART	957	AP Advanced Art & Portfolio
ART	958	Painting
ART	959	Prints & Products .5
ART	961	Painting II
ART	963	Pottery III
ART	964	Painting III
ART	966	Drawing III
ART	968	Art Entrepreneurship .5

BUSINESS

**BUS	503	Life in the Digital Age .5
*BUS	510	Accounting I
*BUS	512	Honors Accounting
*BUS	513	Honors Accounting II+
*BUS	515	Accounting II
BUS	518	Sports & Ent. Marketing
**BUS	520	Intro. To Game Prog. .5
**BUS	522	Programming I
BUS	524	AP Programming II
BUS	530	AP Programming III
*BUS	532	Entrepreneurship
*BUS	540	World of Business

ENGLISH & LANGUAGE ARTS

ENG	150	AP Lang and Comp
ENG	160	AP Lit and Comp+
ENG	166	English 12
ENG	175	Dramatic Arts I
ENG	177	Dramatic Arts II
ENG	180	Intro to Journalism .5
ENG	181	Journalism I+
ENG	183	Journalism II
ENG	185	Journalism III
ENG	192	Creative Writing
ENG	195	Yearbook
ENG	198	Mock Trial (Selection)

FAMILY & CONSUMER SCIENCE

FCS	706	Intro to Culinary .5
FCS	709	Culinary
FCS	722	Nutrition .5
FCS	718	Child Development
FCS	719	Child Development II
FCS	751	Child Development III

HEALTH & PHYSICAL ED.

PED	960	Health .5
PED	963	P/E - Team .5
PED	964	P/E - Fitness .5
PED	967	Adaptive Physical Ed.

MATHEMATICS

MTH	407	Algebra I A
MTH	408	Algebra I B
MTH	411	Geometry
MTH	413	Algebra II
*MTH	415	Math for Tech and Trades
MTH	421	AP Statistics+
MTH	422	Statistical Reasoning in Sports
MTH	423	Honors Trigonometry
MTH	427	Honors Pre Calculus
MTH	433	AP Calculus+
MTH	435	Calculus II+

SCIENCE

SCI	310	Plant and Animal Biology+
SCI	311	Biotechnology
SCI	312	Science/Tech/Society
SCI	314	Forensic Science
SCI	315	Issues In Ecology+
SCI	317	Physical Sciences
SCI	318	Chemistry
SCI	320	Honors Advanced Chemistry+
SCI	322	AP Chemistry+
SCI	324	Organic Chemistry
SCI	330	Honors Advanced Biology
SCI	333	AP Biology+
*SCI	340	Physics I
SCI	344	AP Physics I+
SCI	345	AP Physics II+
SCI	346	Astrophysics and Astronomy
SCI	348	Honors Modern Physics
SCI	350	Anatomy and Physiology+
SCI	356	Engineering Internship

SOCIAL STUDIES

SOC	224	Hrs. Adv. American History+
SOC	225	AP American History+
SOC	226	Adv. Contemporary History
SOC	260	Honors Law/Economics
SOC	261	HRS Law/Econ. Hybrid
SOC	263	Law and Economics
SOC	272	Intro to Psychology .5
SOC	273	AP Psychology+
SOC	275	History Modern Media .5
SOC	278	Holocaust .5

TECHNOLOGY EDUCATION

TEC	801	Tech. and Engineering Lab .5
*TEC	805	Advanced Tech and Eng. Lab
TEC	806	The Maker Class
TEC	807	Photography
TEC	808	Animation
**TEC	813	Intro to CAD .5
*TEC	816	CAD – Mechanical+
*TEC	817	CAD - Architectural
*TEC	819	Engineering Tech/Agile Rob.
TEC	822	Drone Operator
TEC	825	Graphic Design
TEC	901	Video Production

WORLD LANGUAGES

WRL	601	French I
WRL	603	French II
WRL	605	French III+
WRL	607	Pre AP French+
WRL	609	AP French+
WRL	611	French VI+
WRL	621	Spanish I
WRL	623	Spanish II
WRL	625	Spanish III+
WRL	627	Pre AP Spanish+
WRL	629	AP Spanish+
WRL	630	Spanish VI+
WRL	631	F.L.E.S.

SENIOR OPTIONS

RLS	001	Community Service SEM I
RLS	002	Community Service SEM II
RLS	003	Work Experience SEM I
RLS	004	Work Experience SEM II
RLS	005	Dual Enrollment SEM I
RLS	006	Dual Enrollment SEM II
CAP	110	Financial Literacy .5
CAP	150	Internship
CAP	151	Pre-Apprenticeship
CAP	152	Pre-Apprenticeship
		CO-OP

*Counts as STEM Math

**Counts as Computer Applications

+ College in High School Course

Courses Available to Juniors

Courses required for Juniors are ENGLISH, INTERNATIONAL STUDIES, MATH, 3rd SCIENCE or CHEMISTRY & PHYSICS, FINANCIAL LITERACY (.5)

ART & MUSIC

ART	904	Instrumental Music Lab .5
ART	907	Concert Band
ART	913	Chorus .5
ART	916	Senior Choir
ART	919	Intro to Music Theory .5
ART	925	AP Music Theory
ART	951	Intro to Art .5
ART	952	Pottery I .5
ART	953	Pottery II
ART	954	Drawing I .5
ART	955	Applied Art .5
ART	956	Drawing II
ART	957	AP Advanced Art & Portfolio
ART	958	Painting
ART	959	Prints & Products .5
ART	961	Painting II
ART	963	Pottery III
ART	964	Painting III
ART	966	Drawing III
ART	968	Art Entrepreneurship .5

BUSINESS

**BUS	503	Life in the Digital Age .5
BUS	510	Accounting I
BUS	512	Honors Accounting
BUS	513	Honors Accounting II+
BUS	515	Accounting II
BUS	518	Sports & Ent. Marketing
**BUS	520	Intro. To Game Prog. .5
**BUS	522	Programming I
BUS	524	AP Programming II
BUS	530	AP Programming III
*BUS	532	Entrepreneurship
BUS	540	World of Business

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ENG	150	AP Lang and Comp
ENG	160	AP Lit and Comp+
ENG	143	English 11
ENG	175	Dramatic Arts I
ENG	177	Dramatic Arts II
ENG	180	Intro to Journalism .5
ENG	181	Journalism I+
ENG	183	Journalism II
ENG	185	Journalism III
ENG	192	Creative Writing
ENG	195	Yearbook
ENG	198	Mock Trial (Selection)

FAMILY & CONSUMER SCIENCE

FCS	706	Intro to Culinary .5
FCS	709	Culinary
FCS	722	Nutrition .5
FCS	718	Child Development
FCS	719	Child Development II
FCS	751	Child Development III

HEALTH & PHYSICAL ED.

PED	960	Health .5
PED	963	P/E - Team .5
PED	964	P/E - Fitness .5
PED	967	Adaptive Physical Ed.

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MTH	408	Algebra I B
MTH	411	Geometry
MTH	413	Algebra II
MTH	421	AP Statistics+
MTH	422	Statistical Reasoning in Sports
MTH	423	Honors Trigonometry
MTH	427	Honors Pre Calculus
MTH	433	AP Calculus+

SCIENCE

SCI	310	Plant and Animal Biology+
SCI	311	Biotechnology
SCI	312	Science/Tech/Society
SCI	314	Forensic Science
SCI	315	Issues In Ecology+
SCI	317	Physical Science
SCI	318	Chemistry
SCI	320	Honors Advanced Chemistry+
SCI	322	AP Chemistry
SCI	324	Organic Chemistry
SCI	330	Honors Advanced Biology
SCI	333	AP Biology+
SCI	340	Physics I
SCI	344	AP Physics I+
SCI	345	AP Physics II+
SCI	346	Astrophysics and Astronomy
SCI	348	Honors Modern Physics
SCI	350	Anatomy and Physiology+

SOCIAL STUDIES

SOC	224	Hrs. Adv. American History+
SOC	225	AP American History+
SOC	226	Adv. Contemporary History
SOC	240	Honors International Studies
SOC	243	International Studies
SOC	272	Intro to Psychology (.5)
SOC	273	AP Psychology+
SOC	275	History Modern Media .5
SOC	278	Holocaust .5

TECHNOLOGY EDUCATION

TEC	801	Tech. and Engineering Lab .5
TEC	805	Advanced Tech and Eng. Lab
TEC	806	The Maker Class
TEC	807	Photography
TEC	808	Animation
**TEC	813	Intro to CAD .5
TEC	816	CAD - Mechanical+
TEC	817	CAD - Architectural
TEC	819	Engineering Tech/Agile Rob.
TEC	822	Drone Operator
TEC	825	Graphic Design
TEC	901	Video Production

WORLD LANGUAGES

WRL	601	French I
WRL	603	French II
WRL	605	French III+
WRL	607	Pre AP French+
WRL	609	AP French+
WRL	611	French VI+
WRL	621	Spanish I
WRL	623	Spanish II
WRL	625	Spanish III+
WRL	627	Pre AP Spanish+
WRL	629	AP Spanish+
WRL	630	Spanish VI+

CAP

CAP	110	Financial Literacy .5
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**Counts as Computer Applications

+ College in High School Course

Courses Available to Sophomores

Courses required for Sophomores are: ENGLISH/ELA, US GOVERNMENT and POLITICS, BIOLOGY (and/or next SCIENCE), MATH

ART & MUSIC

ART	904	Instrumental Music Lab .5
ART	907	Concert Band
ART	913	Chorus .5
ART	919	Intro to Music Theory .5
ART	925	AP Music Theory
ART	951	Intro to Art .5
ART	952	Pottery I .5
ART	953	Pottery II
ART	954	Drawing I .5
ART	955	Applied Art .5
ART	956	Drawing II
ART	958	Painting
ART	959	Prints & Products .5
ART	961	Painting II
ART	968	Art Entrepreneurship .5

BUSINESS

**BUS	503	Life in the Digital Age .5
BUS	510	Accounting I
BUS	512	Honors Accounting
BUS	513	Honors Accounting II+
BUS	515	Accounting II
BUS	518	Sports & Ent. Marketing
**BUS	520	Intro. To Game Prog. .5
**BUS	522	Programming I
BUS	524	AP Programming II
BUS	530	AP Programming III
BUS	532	Entrepreneurship
BUS	540	World of Business

ENGLISH & LANGUAGE ARTS

ENG	120	Pre AP English 10
ENG	123	English 10
ENG	175	Dramatic Arts I
ENG	180	Intro to Journalism .5
ENG	181	Journalism I+
ENG	183	Journalism II
ENG	192	Creative Writing
ENG	195	Yearbook
ENG	198	Mock Trial (Selection)

FAMILY & CONSUMER SCIENCE

FCS	706	Intro to Culinary .5
FCS	709	Culinary
FCS	718	Child Development
FCS	722	Nutrition .5

MATHEMATICS

MTH	408	Algebra I B
MTH	411	Geometry
MTH	413	Algebra II
MTH	421	AP Statistics
MTH	423	Honors Trigonometry
MTH	427	Honors Pre-Calculus

SCIENCE

SCI	309	Biology
SCI	318	Chemistry
SCI	320	Honors Advanced Chemistry+
SCI	340	Physics I
SCI	344	AP Physics I+

SOCIAL STUDIES

SOC	223	US Gov. and Politics
SOC	224	Hrs. Adv. American History+
SOC	225	AP American History+
SOC	272	Intro to Psychology
SOC	275	History Modern Media .5
SOC	278	Holocaust .5

TECHNOLOGY EDUCATION

TEC	801	Tech. and Engineering Lab .5
TEC	805	Advanced Tech and Eng. Lab
TEC	806	The Maker Class
TEC	807	Photography
TEC	808	Animation
**TEC	813	Intro to CAD .5
TEC	816	CAD – Mechanical+
TEC	817	CAD – Architectural
TEC	825	Graphic Design
TEC	901	Video Production

HEALTH & PHYSICAL ED.

PED	960	Health .5
PED	962	P/E .5
PED	963	P/E - Team .5
PED	964	P/E - Fitness.5

WORLD LANGUAGES

WRL	601	French I
WRL	603	French II
WRL	605	French III+
WRL	607	Pre AP French+
WRL	611	French VI+
WRL	621	Spanish I
WRL	623	Spanish II
WRL	625	Spanish III+
WRL	627	Pre AP Spanish+

CAP

CAP	110	Financial Literacy .5
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**Counts as Computer Applications

+ College in High School Course

Courses Available to Freshman

Courses required for Freshman are: ENGLISH/ELA, SOCIAL STUDIES, EARTH & SPACE SCIENCE (.5), ENVIROMENTAL & ECOLOGY (.5), MATH, PHYS ED (.5), HEALTH (.5), FRESHMAN SEMINAR (.5), COMPUTER APPLICATIONS (.5)

ART & MUSIC

ART	904	Instrumental Music Lab .5
ART	907	Concert Band
ART	913	Chorus .5
ART	919	Intro to Music Theory .5
ART	951	Intro to Art .5
ART	952	Pottery I .5
ART	954	Drawing I .5
ART	955	Applied Art .5
ART	959	Prints & Products .5

BUSINESS

**BUS	503	Life in the Digital Age .5
**BUS	520	Intro. To Game Prog. .5

ENGLISH & LANGUAGE ARTS

ENG	103	English 9
ENG	106	*Pre AP English 9
ENG	180	Intro to Journalism .5
ENG	181	Journalism I+
ENG	195	Yearbook

FAMILY & CONSUMER SCIENCE

FCS	706	Intro to Culinary .5
FCS	722	Nutrition .5

HEALTH & PHYSICAL ED.

PED	960	Health .5
PED	962	P/E .5

MATHEMATICS

MTH	407	Algebra I A
MTH	408	Algebra I B
MTH	412	*Accelerated Geometry
MTH	417	*Accelerated Algebra II

SCIENCE

SCI	303	Earth and Space Sciences
SCI	304	Environment and Ecology
SCI	306	Accelerated Biology

SOCIAL STUDIES

SOC	203	American History [OR]
SOC	224	*Hrs. Adv. American History+

TECHNOLOGY EDUCATION

TEC	801	Tech. and Engineering Lab .5
TEC	807	Photography
TEC	808	Animation
**TEC	813	Intro to CAD .5
TEC	901	Video Production

WORLD LANGUAGES

WRL	601	French I
WRL	603	French II
WRL	621	Spanish I
WRL	623	Spanish II

FRESHMEN STUDIES

CAP	100	Freshman Seminar .5
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*Teacher Recommendation

**Counts as Computer Applications

+ College in High School Course

Course Descriptions

Art

The visual arts encourage critical thinking, problem-solving, teamwork, creative and innovative skills that are vital to prepare all students to succeed in the global marketplace. All courses below engage students in sequential learning experiences that encompass art history, art criticism, aesthetics, and art production. Students will be assessed by means of authentic and traditional methods including: self-reflection, performance rubrics, exams, journaling and writing assignments. Students are given the opportunity to publicly exhibit their works and are encouraged to participate in community cultural events.

Intro to Art - 951

.5 credit
Open to 9th through 12th grade

A 9-week course designed for students to learn to manipulate the basic elements and principles of design through a variety of 2-D media with an introduction to 3-D media. Students will learn to visually communicate as artists while also gaining the prerequisites to excel in all other art courses.

Pottery I - 952

.5 credit
Open to 9th through 12th grade

A 9-week course designed to introduce students to apply the basics of 3-D design while constructing and decorating functional and aesthetic pottery and sculpture pieces. Students will examine techniques developed by master historical and contemporary artists while also applying them to their creations.

Pottery II - 953

1 credit
Open to 10th through 12th grade
Prerequisite: Completion of Pottery I

A semester course designed for the advanced art student to sequentially build upon 3-D skills they acquired in Pottery and Sculpture I. Students are required to identify design problems and create a breadth of work which demonstrates their own personal style while also crafting creative solutions through individual motivation.

Pottery III - 963

1 credit
Open to 11th through 12th grade
Prerequisite: Completion of Pottery I & II

A semester course designed for the advanced art student that continues to build upon pottery skills with an emphasis on wheel-thrown ceramics.

Drawing I - 954

.5 credit
Open to 9th through 12th grade

A 9-week course designed for students to develop basic drawing skills through a variety of media and techniques. Students will acquire an understanding of how to relate what we see to a 2-D surface. Students will learn the prerequisites to excel in all other art courses.

Applied Art and Design - 955

.5 credit
Open to 9th through 12th grade

Designers have impacted almost every experience of your visual life, and design-related career fields are growing fast with ever-expanding possibilities. The focus of this 9-week course is to explore art forms and design fields that relate to functional or applied applications like product & packaging design, furniture design, toy design, vehicle design, and functional arts like ceramics and printmaking. The main goal of this course is to cultivate creative and critical thinking, while seeing a direct link between art and the real world in which we live. This art elective is especially useful for those interested in design as it applies to business, technology, architecture, engineering, advertising, and communication fields.

Drawing II - 956

1 credit
Open to 10th, through 12th grade
Prerequisite: Completion of Drawing I

A course designed to help students become more proficient in their drawing skills. Students will continue to sequentially develop their own advanced drawing techniques while exploring color through the media a pencil, pastels, colored pencils, acrylic, paints and ink. This course will focus on process as well as product.

Drawing III - 966

1 credit
Open to 11th, through 12th grade
Prerequisite: Completion of Drawing I & II

This semester course builds upon the skills and techniques developed in Drawing I and Drawing 2. Students will create original works of art exploring the media of graphite, charcoal, ink, pastel, and mixed media. The focus will be on creating an independent and student-centered body of advanced level artwork that could be included in a college admissions portfolio.

AP Advanced Art & Portfolio Preparation - 957

1 credit

Open to 10th through 12th grade

Prerequisite: Completion of an art course and teacher recommendation

This semester-long course is designed for the advanced art student who is contemplating a career in the visual arts. Students will construct and design a breadth of work to include in their portfolio for college submission using digital technology skills. Students will select a chosen media to explore their own concepts. Students will also continue to elaborate in journal-keeping, and documentation of the creative process.

Painting I - 958

1 credit

Open to 10th through 12th grade

Prerequisite: Completion of one (1) art course

This semester-long course is designed for the experienced art student, novice painter who seeks to advance in their drawing and painting skills. Students will create original painting compositions while exploring color through the media of acrylic, oil, watercolor, and ink.

Painting II - 961

1 credit

Open to 10th through 12th grade

Prerequisite: Completion of Painting I

This semester course builds upon the skills and techniques developed in Painting I. Students will create original works of art exploring the media of acrylic, watercolor, tempera and water-soluble oil paints.

Painting III - 964

1 credit

Open to 11th through 12th grade

Prerequisite: Completion of Painting I & II

This semester course builds upon the skills and techniques developed in Painting I and Painting 2. Students will create original works of art exploring the media of acrylic, watercolor, tempera, mixed-media, and water-soluble oil paints. The focus will be on creating an independent and student-centered body of advanced level artwork that could be included in a college admissions portfolio.

Prints & Products - 959

.5 credit

Open to 9th through 12th grade

A 9-week course offers a contemporary approach to the traditional forms of print making. Students will design T-Shirts, Patches, and products using silkscreen, block printing, and monotype processes.

Art Entrepreneurship - 968

.5 credit

Open to 10th through 12th grade

Prerequisite: Completion of at least one of the following courses- Pottery 1, Prints & Products, and/or Applied Arts

This 9-week course is designed to empower budding creators with the skills and mindset necessary to transform their artistic talents into viable commercial ventures. Students will utilize art materials to conceive, design, and produce marketable products. From ceramics to textiles, digital art to handcrafted goods, participants will explore diverse mediums to craft unique items primed for sale in today's marketplace. Students will explore brand development and marketing strategies specific to the art world, crafting distinctive logos and brand identities that resonate with their target audience. Topics will include pricing strategies, market analysis, e-commerce platforms, and establishing a compelling online presence. By the course's culmination, each student will emerge with a curated collection of market-ready products.

Business Technology

Practically every prediction of the future job market indicates that the business field will have many new openings for years to come. In order to obtain the necessary skills for possible career choices, we encourage students to enroll for classes in the Business Technology Department. Courses in the Business Technology Department are designed to develop special skills in accounting and today's most widely used software products, with an emphasis on developing presentation skills. Any exceptions to the prerequisite listed for each course must be approved by the Business Technology Department instructor.

Life in the Digital Age - 503

.5 credit

No prerequisite

Life in the Digital Age is a course that focuses on the norms of effective, appropriate and responsible use of technology. The course will address each of the ISTE NETS Standards for students in grades 9-12: creativity and innovation; communication and collaboration; research and information fluency; critical thinking, problem solving and decision making; digital citizenship; and technology operations and concepts.

Honors Accounting - 512

1 credit

Open to 10th, 11th, and 12th grade
Prerequisite: Any student who has a “B” or better in Algebra B or a higher level math

Honors Accounting is intended to develop an appreciation and understanding of the art of accounting, and to provide training in the methods and techniques of analyzing, recording, summarizing, and interpreting financial data. Topics covered include: general introduction to accounting principles and bookkeeping methods; The theory of debit and credit; financial statements; adjusting and closing entries; and micro computer applications. Attention is given to financial and managerial uses of accounting reports and statements. To challenge the more academically talented student, a college accounting text will be used.

Honors Accounting II - 513

1 credit

Open to 11th, and 12th grade
Prerequisite: “C” or better in Accounting (College in High School Course)

Honors Accounting II is designed to complement the learning process started in Honors Accounting I. This course is a must for the college business/economics major. Honors Accounting II will continue the study of the forms of business organizations and the transactions required for the owner’s equity section of partnerships and corporations. The primary content will be accounting for current and long-term assets and liabilities, stock and bond transactions from both the buyer’s and seller’s perspective, corporate financial statements including accounting for cash flow, taxes, and financial statement analysis. The automated corporate accounting business simulation “Groom and Board” will be utilized where students will apply Generally Accepted Accounting Principles to cash, receivables, and inventory.

Sports & Entertainment Marketing - 518

1 credit

Open to 10th, 11th, and 12th grade

Interested in the dynamic areas of sports, entertainment and/or marketing? Marketing is an exciting industry and many jobs in the country deal with some aspects of marketing! In this course, you will explore the intriguing world of sports and entertainment from the perspective of marketing. Topics will include, but are not limited to, college & amateur sports, professional sports, public images, marketing entertainment, marketing plans, promotional planning, and legal issues. The activities in this course will help students to develop critical thinking, decision making, and communication skills. Speakers, current events, commercials, videos, teamwork, and (potential) simulations will be utilized. This course is recommended for any student who is considering a career in Business, Marketing, Sports & Entertainment, or Public Relations.

Introduction to Game Programming - 520

.5 credit

Open to 9th, 10th, 11th and 12th grade
No prerequisite

Introduction to Gaming is a nine-week course designed for the novice programmer to explore computer programming. Animation and coding is explored through programming using visual programming language where aspiring programmers can write code by dragging and dropping graphical blocks while building their problem solving skills.

This course introduces students to fundamentals of programming functions, return values, conditions, loops, variables, and more. Ultimately, this course gives students an overview of coding and prepares them for subsequent courses in programming.

Programming I - 522

1 credit

Open to 10th, 11th, and 12th grade

This course introduces program development, the art of programming, and how to think algorithmically and solve problems efficiently. CHS Programming I concentrate on the fundamentals of programming. If you like to think logically this class is for you! Developing games while problem- solving creates a unique environment for learning. Emphasis is placed on persistence, attention to detail, and an ability to organize a problem logically.

The final project enables students to create their own computerized game. This course is performance-based using specific exercises and tutorials. The student has the option to earn « three » college credits for the course by filling out appropriate forms and meeting college criteria. Please see the instructor for appropriate information and timelines.

AP Programming II - 524

1 credit

Open to 10th, 11th, and 12th grade
Prerequisite: “C” or better in CHS
Programming or teacher recommendation
The AP Computer Principles test is an option for this level.

Continue problem solving acquired in Visual Studio to create programs that are more advanced. Visual C++ provides great flexibility and control over your programming environment. A Microsoft based visual approach to developing advanced type programs will be studied. Examination and application of the Internet-related features will be included in the course. The AP Computer Principles test is an option for this level which includes uploading students work to exam.

AP Programming III - 530

1 credit

Open to 10th, 11th, and 12th grade

Prerequisite: "C" or better in CHS

Programming or teacher recommendation

The AP Computer Science test is an option for this level.

This Programming course is a good choice for students in any discipline because it provides a solid foundation for computer-related careers: computer programming, mathematics, engineering, business, and the natural sciences. Students will make use of their programming skills to develop problem-solving techniques while utilizing the Java language. Students final project includes the students own creativity in an interactive application. The AP Computer Science A test is an option for this level.

Entrepreneurship - 532

1 credit

Open to 10th, 11th, and 12th grade

No prerequisite

An introduction to entrepreneurship, marketing, and small business finance. Units of study include: Entrepreneurship, Innovation and Creativity, Opportunity Recognition, Business Planning, Market Research and Marketing, Entrepreneurial Finance, and Monitoring Strategy. Retail and Sports simulations provide experience with pricing, promotion, market research, and merchandising. Concepts practiced in the virtual world will be synthesized in a collaborative venture with The Book Bag, GSHS Library Store.

The World of Business - 540

1 credit

Open to 10th, 11th and 12th grade

No prerequisite

This course introduces students to the world of money management and finance. Learn about financial options, responsibilities, and consequences of mismanaged funds. Through this financial management course students can navigate the financial decisions they face today and tomorrow. Virtual Business, Personal Finance simulation will be used.

English Language Arts

English 9 - 103

1 credit

Open to 9th grade

Ninth grade English is a semester-long course combining skills of reading, writing, listening and speaking. The primary goal for the course is to provide the student with a foundation for concise expression of thought and opinion.

The literature study is an introduction to the analysis of the novel, the short story, drama (Shakespeare), and poetry.

In addition, this course emphasizes the writing process in the development of themes/essays. Vocabulary development is stressed and students are encouraged to write and speak with correctness and fluency.

Pre AP English-9 - 106

1 credit

Open to 9th grade

Pre-AP English is a challenging course that examines literature and involves analytical writing. Throughout the course, students will engage in various genres of literature including short stories, visual texts, poetry, drama, essays, arguments, and novels. Students need to possess strong skills in reading, interpretation, inference, writing and oral communication. This course is designed to prepare you for future AP English course work or exams and the SAT essay.

Pre AP English-10 - 120

1 credit

Open to 10th grade

Pre AP English-10 builds on the foundation of Pre AP English-9, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. While Pre AP English-9 introduces the fundamental routines of close observation, critical analysis, and appreciation of author's craft, Pre AP English-10 requires students to apply those same practices to a new host of nonfiction and literary texts. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion

English 10 - 123

1 credit

This English 10 course is based upon the Honors English 10 curriculum. The readings are carefully selected to give students a solid background in American Literature with a minor emphasis placed on the historical situations which influenced our nation's culture. Writing includes a mandatory research paper, completion of which is a requirement for passing the course.

English 11 - 143**1 credit**
No prerequisite

This course includes many selections taken from the Honors English curriculum.

Composition through multi-paragraph papers and vocabulary are studied as a part of the literature with some grammar review included to reemphasize basics. Students continue to refine their skills while writing a persuasive letter and to think critically through questioning and analysis.

As a graduation requirement, and in order to pass English 11, students must complete a job shadow project.

AP Language & Composition - 150**1 credit**
Open to 11th Grade
No prerequisite

The AP English Language and Composition course focuses on the development and revision of persuasive writing as well as the analysis of fiction and non-fiction texts. Writing assignments include a persuasive research essay and text-based analytical essays. While completing these writing assignments, students will develop logical arguments that they will validate with credible and correctly cited research or text-based evidence. Students will also make informed decisions as they revise to improve their content, organization, clarity, and style. Reading assignments will include works from a variety of genres and historical periods wherein students will analyze texts for rhetorical devices and the effects of these devices in addition to drawing and validating conclusions concerning these texts.

AP Literature and Composition - 160**1 credit**
Open to 12th grade
(College in High School Course)

Designed to challenge motivated students' ability to read and analyze challenging and sophisticated literature, the AP Lit. and Comp. course includes the study of all literary genres, mostly of British origin, chosen specifically as preparation for the AP exam. Because the intent of the course is to approximate a college experience, a willingness to work independently is required for success.

In order to demonstrate comprehension, students are expected to participate frequently in informal and formal class discussions, and to complete various persuasive and informational writing assignments. Students are also expected to conduct independent readings and studies outside of class.

English 12 - 166**1 credit**

This course is designed to fulfill the needs of the Senior considering post high school education as well as the senior completing his/her education. Reading materials range from the medieval to modern era with some specially selected materials dealing with young adult concerns. Students are also required to submit a carefully prepared research paper and present an oral analysis of the research, including a visual presentation. Other work includes vocabulary, composition, oral reports, and analysis of literature-related films.

Dramatic Arts I - 175**1 credit**
Open to 9th through 12th grade

Dramatic Arts I is an interdisciplinary art form that satisfies the human need to express thoughts and feelings through written text, dramatic interpretation, and multimedia production. Exploration will focus on the following topics in theatre: self-awareness, pantomime, vocalization, improvisation, monologues, and storytelling. Study will include writers and plays from different time periods through a historical context. Basic Acting will focus on the following topics in theatre: characterization, motivation, stage movements, and working with a script. Participation will help develop the individual as a confident participant in any situation.

Dramatic Arts II - 177**1 credit**
Open to 10th, 11th and 12th grade

Dramatic Arts II is an interdisciplinary art form that satisfies the human need to express thoughts and feelings through written text, dramatic interpretation, and multimedia production. Exploration will focus on the topics of Readers' Theatre: scripted material, staging, and vocal specialties (speeches, radio commercials, and monologues). Study will include writers/composers and musicals from different time periods through a historical context. Puppetry will give the opportunity to combine many of the theatre skills. Puppetry expands your expertise: character creation and development, voice control, improvisation, playwriting, costuming, storytelling, working cooperatively, rehearsing, and putting on a performance. Participation will help develop the individual as a confident participant in any situation.

Introduction to Journalism – 180

.5 credit

Open to 9th through 12th grade

Journalism is a field that continues to transform itself every single day. It is an exciting medium that provides a tremendous opportunity for those who are strong writers and communicators to reach the people with the news of the world. We will be looking at an overview of the departments that make up a newsroom, digging into the basics of journalistic writing, photography, design, advertising, and comics.

Journalism I - 181

1 credit

**Open to 9th, 10th, 11th, and 12th grade
(College in High School Course)**

The aim of this course is for students to write intelligently, to communicate their ideas meaningfully, and to make their points clearly and effectively. In addition, students will examine how the world of the journalism has evolved and where it is going.

The students will study both journalistic and creative writing techniques and employ these concepts in their own written compositions. Students will examine the world that has enveloped the field of journalism today, from the newspaper to the internet, “blogs” to broadcast journalism.

Arrangement of facts with precise, logical, and expressive wording will be stressed. The class will emphasize purposeful and reflective thinking for writing the interpretation and analysis of facts. Interviewing with the goal of writing a story will sharpen the student’s power of observation, and give them the confidence to think constructively during a conversation. Informal and/or unusual writing styles will be encouraged during feature story writing and creative writing to gain reader interest; however, a controlled style of composition will be taught in all aspects of writing.

Thus, this course will train students through careful planning, use of meaningful words and sentences, and logical progression toward a point of view.

Journalism II - 183

1 credit

The Journalism II students are responsible for the interviewing of news sources and the writing and revising of the school newspaper. Therefore, the emphasis of the class is on the practical application of the material learned in Journalism I. During the process of writing *The Lions’ Den*, students will develop a controlled, precise, and logical style. Students will report and write the facts of news events, express opinions based on stated facts in logical editorials and employ imaginative writing to create feature articles. Work on the newspaper will help students gain self-confidence through conducting interviews, and self-esteem through seeing their best writing, photography, art and design in publication. Also, they will attain a sense of well-being for having completed something worthwhile, bettering themselves and GSHS. Throughout the school year, the selected staff members will provide a complete and accurate written record of the school’s events through *The Lions’ Den*.

Journalism III - 185

1 credit

Open to 11th or 12th grade

The purpose of Journalism III is to provide the opportunity for the student to continue to write, photograph or create art for the *Lions’ Den* without the responsibilities that an editor shoulders. Journalism III student continues to develop the necessary skills to contribute not only to the school newspaper, but also to the well-being of the student. This student has an express interest in being a part of the newspaper staff, but does not wish to be part of the Editorial Board.

Creative Writing - 192

1 credit

Open to 10th through 12th grade

This course is designed for the serious creative writer. It comprises the study of both poetry and the short story. Students will read and analyze numerous models of both genres, participate in activities designed to increase creative skills, and generate several poems and pieces of fiction. Implicit in the design of the course is use of the writing process, especially peer response groups.

Yearbook - 195

1 credit

**Open to 9th, 10th, 11th and 12th grade
No prerequisite**

Students enrolled in Yearbook will learn and develop all of the skills required in order to develop a school yearbook. Students will learn advanced publishing skills, interviewing techniques, design and layout expertise, and sophisticated writing skills. They will become proficient at gathering information, as well as writing both copy and captions while employing the writing process. Students will learn basic digital photography and will also employ these skills throughout their work with the Yearbook. They will become proficient at using complex software (programs such as InDesign and PhotoShop) that is used in the professional publishing industry as well. Students will learn advertising techniques as they work to involve the community in the process. In addition, they will learn how to work as leaders and as a team as they manage this production process, which is truly a small business. Students will be in charge of creating a publication that will be treasured for years to come. Interested students must understand that extensive time outside of class is necessary in order to properly create a school Yearbook.

- All levels of Yearbook are open to interested students who are looking to develop their writing, photography and layout and design skills. There are no prerequisites for this course other than a desire to document our year.

Mock Trial - 198

1 credit

Teacher recommendation/selection

Mock trial is a performance-based course that includes the analysis and application of legal procedures as applied to a particular court case. Students are required to perform as a team to prepare for the Westmoreland County Bar Association Mock Trial Competition. During the class, students learn the general law relevant to the competition case, trial procedures, rules of evidence, structuring and presenting opening and closing arguments, rules of testimony, and how to conduct a direct and cross-examination. The course and the culminating competition require a combination of analytical and critical thinking skills along with writing and speaking ability. Participants must be willing and able to participate in three or four evening or Saturday exercises. Teacher recommendations are required, and a grade no lower than a B in any course is recommended. Interested students must see Ms. Solomon for an application. Class size is limited.

Family and Consumer Sciences

Intro to Culinary - 706

.5 credit

Open to 9th, 10th, 11th and 12th grade

This is an introductory course for those who enjoy food preparation. This class explores cooking principles and the relationship of cooking to nutrition. ServeSafe certification can be earned through taking this course.

Nutrition - 722

.5 credit

Open to 9th, 10th, 11th and 12th grade

Nutrition and Foods helps students understanding the role that daily nutrition plays in their long-term health and wellness. Learn how to prepare nutritious meals and choose healthy snacks that support your overall health and well-being.

Culinary - 709

1 credit

Open to 10th, 11th and 12th grade

Prerequisite - Completion of Intro to Culinary

Culinary schools are looking for those with an interest in food service. If this is you, Foods II will help you prepare for your career in the culinary field. You will further develop meal planning talents, nutrition education and specialty food preparation. Enjoy learning to create fine pastries and pies, party appetizers, yeast breads etc.

Child Development - 718

1 credit

Open to 10th, 11th and 12th grade

No prerequisite

Students with a career interest in child care or the teaching profession are encouraged to take this course.

Observation and participation are two of the most valuable tools for the study of child development and parenting. After developing skills, knowledge and attitudes needed to work effectively with young children, you will plan and operate a preschool program for four-five year old children. This course will provide a valuable learning experience for those who enjoy children and for those who are interested in a career working with young children.

NOTE: *Some expenses are the student's responsibility. Additionally, there are dress code expectations, including no visible facial jewelry.*

Child Development Level II - 719

1 credit

Open to 11th and 12th grade

Prerequisite: Teacher recommendation

Students with a career interest in child care or the teaching profession are encouraged to take this course.

With knowledge gained from the experience in Child Development I, the student will develop a learning environment and teach experiences that address the normal sequence of growth for children ages four through five. By designing the preschool classroom and preparing children's learning's, the student will gain a better understanding of the purpose, philosophy and values of early childhood education.

NOTE: *Some expenses are the student's responsibility. Additionally, there are dress code expectations, including no visible facial jewelry.*

Child Development Level III - 751

1 credit

Open to 12th grade

Prerequisite: Teacher Recommendation

Students with a career interest in child care or the teaching profession are encouraged to take this course.

Child Development III is an extension of Child Development II with more extensive classroom supervisory and planning duties.

NOTE: *Some expenses are the student's responsibility. Additionally, there are dress code expectations, including no visible facial jewelry.*

Health Education

Health Education - 960

.5 credit - State Requirement

(Also, any 11th and 12th grade student who does not have this credit)

No prerequisite

This course meets every other day for one semester (6 day cycle). The course offered presents a positive approach toward health issues affecting the student. Students are encouraged to examine their health behavior and make changes in their lifestyles that will result in better physical, mental, and social health.

The student will learn up-to-date content providing them with information necessary for wise decision-making when protecting their health and the health of others.

Mathematics

Algebra I A - 407

1 credit

This course examines familiar ideas such as properties of numbers, graphs, expressions, equations, and inequalities. The content is related to the pre-algebra concepts students have already learned. An important goal of this course is to help the student be able to communicate, manipulate, explain, and deal with the mathematics seen in newspapers, magazines, on television, on any job, and in school. As we study each family of functions, we will learn to represent them in multiple ways— as verbal descriptions, equations, tables, and graphs. Algebra 1-A will focus on linear equations and inequalities and well as graphing each and writing equations and inequalities and systems of inequalities.

Algebra I B - 408

1 credit

This course examines familiar ideas such as properties of numbers, graphs, expressions, equations, and inequalities. The content is related to the pre-algebra concepts students have already learned. An important goal of this course is to help the student be able to communicate, manipulate, explain, and deal with the mathematics seen in newspapers, magazines, on television, on any job, and in school. As we study each family of functions, we will learn to represent them in multiple ways— as verbal descriptions, equations, tables, and graphs. Algebra 1-B will review concepts from Algebra 1-A and focus on exponential functions, sequences, polynomials equations, factoring, graphing and solving quadratic functions, probability and data analysis. Students will take the Pennsylvania State Algebra 1 Keystone at the end of this course.

Geometry - 411

1 credit

Open to 10th through 12th grade

Geometry integrates algebra with geometry and uses coordinates and transformations throughout in both two and three dimensions. Measurement, area, volume and angle properties are presented early. Proofs are developed slowly and carefully. Reading and problem solving are emphasized throughout. Real-life situations motivate geometric ideas and provide the setting for practice of geometric skills. Properties, uses, representations and applications of geometric ideas are emphasized. Scientific calculators are strongly recommended.

Algebra II - 413

1 credit

Open to 10th through 12th grade

This course is a study of the language, concepts, and techniques of Algebra that will prepare students to approach and solve problems following a logical succession of steps. Topics include quadratic functions, quadratic equations and complex numbers, polynomial functions, rational exponents and radical functions, and rational exponents and radical functions. Real world applications are present within the course content. Students will be required to analyze, recall, explain, interpret, apply, and/or evaluate the particular concept taught. Concepts will be presented, applied, and assessed analytically, numerically, and graphically.

Accelerated Geometry - 412

1 credit

Offered to 9th graders in Accelerated Math

Accelerated Geometry is a fast-paced rigorous course. It integrates algebra with geometry and uses coordinates and transformations throughout as students analyze two and three-dimensional objects. Measurement, area, and volume are presented early. Proofs are developed slowly and carefully related to transformations, similarity, congruence, and properties of circles. **The eight Mathematical Practices are emphasized throughout the course.** Real-life situations motivate geometric ideas and provide the setting for practice of geometric skills. Skills, properties, uses, and representations are emphasized. A deeper understanding of right triangle trigonometry concepts, Law of Sines and Cosines, proofs, and circles are explored. **Scientific calculators are necessary.**

Math for Tech and Trades - 415

1 credit

Prerequisite: Algebra IA, IB, Geometry

A course for students perusing technology and trades, emphasizing application and problem solving. Topics include: review of fundamental algebra, formula transformation, dimensions and units, radicals, systems of linear equation, graphic of data, equations and functions, right triangle trigonometry, and quadratic equations and functions. This course is aligned to college level learning in the manufacturing and health care related fields.

Accelerated Algebra II - 417

1 credit

Offered to 9th graders in Accelerated Math

This is a fast-paced, rigorous course. This course is a study of the language, concepts, and techniques of Algebra that will prepare students to approach and solve problems following a logical succession of steps. Topics include quadratic functions, quadratic equations and complex numbers, polynomial functions, rational exponents and radical functions, and rational exponents and radical functions. Real world applications are present within the course content. Students will be required to analyze, recall, explain, interpret, apply, and/or evaluate the particular concept taught. Concepts will be presented, applied, and assessed analytically, numerically, and graphically. Accelerated Algebra II will cover more concepts and get deeper into the understanding of some concepts compared to algebra II

AP Statistics - 421

1 credit

**Open to 10th through 12th grade
After the completion of Algebra II
(College in High School Course)**

The purpose of AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data
2. Sampling and Experimentation
3. Anticipating Patterns
4. Statistical Inference

Statistical Reasoning in Sports - 422

1 credit

**Prerequisite: Algebra IA, IB, Geometry
Open to 11th and 12th grade**

Did Cam Newton choke in the Super Bowl? Is it possible for a basketball player to get a "hot hand"? Who should I draft for my fantasy baseball team? Exploring sports questions like these can help you understand the principles of statistical reasoning. This course will use real-world data and situations to analyze events and decisions made in the NFL, MLB, NBA, track and field, golfing, and more.

Each unit of Statistical Reasoning in Sports begins with a statistical question that will be answered using the four-component process: Formulate Questions, Collect Data, Analyze Data, and Interpret Results. Students will use the process of simulation-based inference and experimentation to strengthen their skills in data analysis. Many projects will be included in this course – some of which will allow you to participate in a variety of sports to collect data.

Honors Trigonometry - 423

1 credit

**Prerequisite: Algebra II & Geometry
Open to 10th grade
Prerequisite: Accelerated Geometry
& Accelerated Algebra II**

Honors Trigonometry is a higher-level math course that is designed to develop the necessary skills for students intending to pursue a career track that involves mathematical applications. Topics studied include trigonometric functions and their inverses. Also studied are solutions of triangles, graphs of trigonometric functions, identities solution of trigonometric equations, and practical applications. The depth and rigor of this course will exceed that of the trigonometry course.

Honors Precalculus - 427

1 credit
Open to 11th, 12th grade
Prerequisite: Honors Trig

This course thoroughly explores topics in algebra, trigonometry, and analytical geometry that will prepare the student for calculus. There will be applications of mathematical models. Students will use higher-level thinking skills to investigate algebraic and trigonometric functions.

AP Calculus - 433

1 credit
Open to 11th through 12th grade
(College in High School Course)

This course is to introduce the basic concepts of real-number calculus and to provide the basis for further study of mathematics on the college level. Both differential and integral calculus are studied with a balanced approach between rigor and intuition. Emphasis is placed on problems in mathematics, engineering, the physical sciences, the biological sciences, and economics. Preparation for the AP Calculus AB exam will be a major focus throughout the course.

Calculus II - 435

1 credit
Open to 12th grade
(College in High School Course)

Calculus II is a college-level course for students meant to build on differential and integral calculus concepts from previous Calculus I and AP Calculus courses. The additional topics covered in this class will give the student the option of taking the AP Calculus BC Exam given in the spring. Preparation for both AP exams will be a continued focus throughout the class.

Music

Instrumental Music Lab - 904

.5 credit
Open to 9th through 12th grade

The focus of this course is to introduce students to instrumental technique and music notation through individual and small group study. Students are encouraged to provide their own instrument; however, with director consent there may be a limited supply of instruments provided by the school.

Concert Band - 907

1 credit
Open to 9th, 10th, 11th and 12th grade

The Concert band includes ninth, tenth, eleventh and twelfth grade instrumental students who are interested in both large and chamber ensemble experiences. Students meet for rehearsal each school day. Group appearances include school and community functions as well as concert performances.

GS Chorus - 913

.5 credit
Open to 9th through 12th grade

GS Chorale is the largest choir and is open to all students. Whether you are an experienced singer or completely new to chorus, this class is for you. We will learn fun and rewarding choral literature through which we will learn proper vocal and choral technique, music literacy skills, a sense of vocal independence, and how to be a part of an ensemble. This is an enjoyable course that will help you to better understand music and be part of a fun and rewarding group experience. We will work to prepare the music for a concert towards the end of the course and possibly some field trips.

Senior Choir - 916

1 credit
Open to 11th, and 12th grade
Prerequisite: Based on Teacher Recommendation for 10th grade

Vox Leo is the select chamber choir of students who qualify for membership on the basis of their singing ability, attitude, and desire for excellence in choral performance. Students will learn advanced vocal and choral technique, music literacy skills, and a sense of ensemble. Students will work to prepare challenging music for a concert that will be performed one evening towards the end of the course along with possibly some field trips.

Introduction to Music Theory - 919

.5 credit
Open to 9th through 12th grade

This course is best for the beginner or intermediate musician who wants to learn more about the theory and notation that makes music what it is. This course will teach you about musical notation, music theory, and analysis in a way that is accessible and interesting.

AP Music Theory - 925

1 credit
Open to 10th through 12th grade

This course is best suited for students with prior musical experience who have the ability to read musical notation. Students will learn concepts involved in music theory such as key signatures, chord structures, harmonic progression, and composition. Students will also learn ear-training skills such as identifying and singing intervals and scales. This is an advanced placement course that contains college level music theory material that will prepare you to take the coordinating AP exam.

Physical Education

Physical Education - 962

.5 credit
9th Grade - State Requirement
No prerequisite

This course is a graduation requirement and focuses on the fundamental components and principles of fitness, including competency in motor skills, movement patterns, and strategies needed to perform a variety of physical activities. These competencies will be taught through several types of workouts and game play.

Physical Education 10/11/12 Team Sports - 963

.5 credit
Elective
Prerequisite: Health & PE

This course is an elective for 11th and 12th grade students and focuses on the fundamentals of team sports. In this course students will be taught the fundamental skills, strategies, and rules to be able to participate in a variety of team sports. These competencies will be taught through teacher instruction, technique drills, and game play.

Physical Education 10/11/12 Fitness for Life - 964

.5 credit
Elective
Prerequisite: Health & PE

Fitness for life is an individualized, concept-based class designed to give students the ability to create, conduct, and assess fitness routines and individual goals. This class will give students the knowledge and skills necessary to maintain a level of personal lifetime fitness.

During this course students will understand principles of fitness including: Muscular strength and endurance, cardiovascular endurance, max and target heart rate, weight loss, energy expenditure, and nutrition, specificity, overload, and recovery, appropriate warm-ups, cool-downs, and stretching.

Science

Earth & Space Science - 303

.5 Credit
Required

The overarching themes of the Earth and Space Science course are evidence and evolution. Students will study the mechanisms behind the evolution of the stars, Earth's atmosphere, geosphere, hydrosphere and biosphere while also analyzing the evidence that supports current scientific theories.

Environment and Ecology - 304

.5 credit

Required

This required course covers big ideas in environmental science and ecology. *Environmental Science* is the application of principles of the natural sciences (biology, chemistry, physics and the geosciences) to environmental issues. Ecology is the application of principles of the social sciences and humanities (e.g. history, economics, sociology, ethics, government, politics, law, etc.) to environmental issues. (9 weeks)

Accelerated Biology - 306

1 credit
Open to 9th grade
Teacher Recommendation

This course is intended for the student who is considering post high school science-oriented education. The topics covered are: cell anatomy and physiology, biochemistry, DNA and biotechnology, genetics, the kingdoms of living organisms and human anatomy and physiology. Strong emphasis is placed on the comparative anatomy and physiology of various types of cells, their biochemical activities, and genetic regulation. In addition, current biological topics such as: immunology, genetic engineering, cloning, and gene therapy will be discussed where appropriate. Through inquiry activities, research, and manipulation of laboratory equipment, critical thinking, and active participation will be fostered and developed.

Biology - 309

1 credit
Open to 10th grade
No prerequisite

Biology introduces students to the living world and to the fundamental processes that control all living things. The four major themes of the course emphasize *unity* or common features of all living things, *diversity* of the Earth's many life forms, *continuity* between life in the past and present, and *interaction* among organisms and their environment. These themes are woven into the following topics: scientific method, kingdoms of living things, chemical basis of life, cell structure and function, cell division, genetics, evolution, and ecology.

Biological concepts are introduced and reinforced by active participation in laboratory experiments and simulations, observation of living organisms in the classroom and out-of-doors, computer programs, and discussions of bioethical and environmental issues.

Plant and Animal Biology - 310

1 credit

Open to 11th, and 12th grade

**Prerequisite: Biology or Accelerated Biology
(College in High School Class)**

This upper-level lab science course focuses on plant and animal structures (anatomy) and functions (physiology). Students will actively participate in a variety of educational experiences including, but not limited to, exploration of *living* and *preserved* organisms and hands-on student-led **dissections**.

Biotechnology - 311

1 credit

Elective

Open to 11th and 12th grade

Prerequisite: Biology

Biotechnology is an upper-level science course that covers a wide range of topics from Biology with a focus on in-depth DNA and genetics studies. Students should have a strong understanding of Cell Biology (cell structures, functions, processes, etc.), DNA Science (structure, replication, translation, etc...), and Genetics (both Mendel and human) from Biology I and other science courses. Students should feel at ease in the laboratory setting and be familiar with scientific tools and instruments. This course highlights the science of biotechnology or the process of using any living organism/system for human benefit to make a product or solve a problem. Have you ever had a flu shot, eaten cheese, taken penicillin when you were sick, or made bread? If so, you have experienced biotechnology firsthand. Students will have the opportunity to study the various types of biotechnology through hands-on lab experience incorporating real-world applications and “in-the-news” bioethical issues. Students will also study in detail gene regulation, stem cells, tissue engineering, protein chromatography, and human anatomy (heart form, function and pathology).

STS

Science Technology and Society - 312

1 credit

Open to 11th and 12th grade

Science, Technology and Society is an interdisciplinary course that promotes critical thinking and civil engagement regarding the impact of scientific advancements on society. Students will research, discuss and evaluate how scientific issues by effectively analyzing and communicating scientific knowledge, using models and case studies, and developing an understanding of the causes of scientific and technological change. Students in this course should have an interest in working in groups on engineering and video projects as well as researching and discussing current scientific events. Topics may include Science in the Media, Environment and Sustainability, Forensic Science, Epidemiology and Public Health, Food Science and Future Issues in Science and Society.

Forensic Science - 314

1 credit

Open to 11th and 12th grade

Forensic Science introduces the student to the science of crime scene investigation. The course integrates the applications of biology, chemistry, physics and environmental science to explore the field of criminalistics. In addition, students will perform historical case studies and survey careers in forensic science. Laboratory activities will give students the opportunity to demonstrate forensic science techniques presented in the lectures.

Issues in Ecology - 315

1 credit

Open to 11th and 12th grade

No prerequisite

(College in High School Class)

This elective course covers big ideas in environmental science and ecology with a focus on environmental literature and current environmental issues. *Environmental Science* is the application of principles of the natural sciences (biology, chemistry, physics and the geosciences) to environmental issues. Ecology is the application of principles of the social sciences and humanities (e.g. history, economics, sociology, ethics, government, politics, business, law, etc.) to environmental issues.

Physical Science - 317

1 credit

Open to 11th grade and 12th grade

This class is designed to introduce students to real-life applications of selected chemistry and physics topics.

This course is not recommended for anyone pursuing a career in a medical field.

Chemistry - 318

1 credit

Open to 10th, 11th, and 12th grade

Prerequisite: Biology or Accelerated Biology

This course is highly recommended for all college bound students. It is an academic course chiefly concerned with the mathematics and language of chemistry. The course moves at a moderate pace and emphasizes the structure of matter and the quantitative aspects of chemistry such as stoichiometry, a mathematical analysis of chemical reactions.

Honors Advanced Chemistry - 320

1 credit
Open to 10th, 11th, and 12th grade
See Honors Criteria
(College in High School Class)

Completion of this course is equivalent to completion of a first semester of college chemistry, it covers the first half of the AP Chemistry course curriculum. The course is designed for those students interested in expanding their knowledge of science and being challenged in Chemistry. Topics studied in this course include the structure and properties of atoms and compounds, intermolecular forces and properties, gas laws, reactions, stoichiometry and thermochemistry. Emphasis is on understanding advanced chemistry topics and their relationship to science related processes.

AP Chemistry - 322

1 credit
Open to 11th and 12th grade
Prerequisite: *Honors Advanced Chemistry*
(College in High School Class)

Completion of this course is equivalent to completion of a first year of college chemistry. Topics studied in this course include solubility product, acid - base and buffer equilibrium systems, electrochemistry and a review of necessary topics for the AP Exam. Emphasis is on understanding advanced chemistry topics and their relationship to science related processes. The semester closes with an analysis of the relationships between science, technology and society in the book *The Poisoners Handbook*, by Deborah Blum.

Organic Chemistry - 324

1 credit
Open to 11th and 12th grade
Prerequisite: Biology and Chemistry

This chemistry course introduces students to the language of organic chemistry and prepares students for college organic chemistry. The course focuses on the structure, properties and reactions of carbon-containing molecules. Students will learn the nomenclature and molecular structures of organic functional groups as well as the mechanisms associated with addition, substitution and elimination reactions. The course also introduces the structure and properties of biochemical molecules and polymers.

Honors Advanced Biology - 330

1 credit
Open to 11th and 12th grade

This Honors second year course is offered to students with a strong interest in pursuing a career in health, biological or biotechnical sciences. These students will be exposed to an in-depth treatment of some of the topics presented in a freshman college course. A college level textbook and laboratories are used to explore the topics of biochemistry, animal behavior, classification of organisms, ecology and anatomy and physiology. This course covers the first half of the AP Biology course curriculum

AP Biology - 333

1 credit
Open to 11th and 12th grade
Prerequisite: *Honors Advanced Biology*
(College in High School Course)

Advanced Placement Biology is a rigorous, fast-paced course equivalent to a first-year college course for science majors. The curriculum and 8 required laboratories are based on the recommendations of the Advanced Placement Biology Committee. The course builds upon the topics discussed in Honors Advanced Biology and expands into the areas of cellular division, genetics, embryology and plant physiology. The laboratories are intended to challenge a student's ability to understand problems, create a hypothesis, develop and implement a plan, manipulate and collect data, draw conclusions, and think analytically.

In May, a College Board designed test will be offered to all students. Those students who receive a passing score, usually a three or better, can submit the score to the college of their choice for three to eight college credits.

Physics I - 340

1 credit
Open to 10th, 11th, and 12th grade

This course covers the topics of mechanics (motion and energy), electricity, magnetism, and waves. Physics topics are introduced and reinforced through laboratory activities, problem solving, and group and independent projects. The study of physics is a customary part of most high school college preparatory programs.

AP Physics I - 344

1 credit
Open to 10th, 11th and 12th grade
Prerequisite: B or better in Algebra B
(College in High School Course)

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion; fluids.

AP Physics II - 345

1 credit

Open to 10th, 11th and 12th grade
Prerequisite: AP Physics 1 or Physics 1 with
Physics Teacher Recommendation
(College in High School Course)

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids: pressure and forces; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics; thermodynamics.

Astrophysics and Astronomy - 346

1 credit

Open to 11th and 12th grade
Prerequisite: AP Physics, Physics 1 or Physical
Science

Students will apply fundamental concepts of physics and other areas of science to topics in astronomy. Units of study in this course include stars and constellations, motion of the night sky including moons and planets, properties of stars and galaxies, and exotic concepts such as black holes, quasars, pulsars, extra solar planets, curved space-time, dark matter, and dark energy.

Honors Modern Physics - 348

1 credit

Open to 11th and 12th grade
Recommended: AP Physics I
or Physics I and Physics teacher recommendation

This course is designed for those students interested in expanding their knowledge of physics beyond the classical physics topics covered in the first semester Physics or AP Physics course.

It is especially useful to those planning to pursue careers in physics, engineering, nuclear medicine, or other scientific fields.

While skills and topics previously mastered in physics will be enriched and fortified, new concepts will be presented. Radiation, nuclear physics, fundamental particles, special and general relativity and nanotechnology will be studied in detail. Students will work individually and in teams to complete research projects and presentations. Independent reading will be required.

Anatomy and Physiology - 350

1 credit

Open to 11th and 12th grade
Prerequisite: Biology and Chemistry
(College in High School Course)

The Anatomy and Physiology course will explore basic body structures and functions of all the human body systems. The course will observe these systems through the levels of life from cellular interactions and tissue functions up through the interactions of organs systems to operate in homeostasis. Biological terms and meanings of appropriate terms are emphasized along with the relationship between various organ system in health and disease. Students should have a strong interest and background in biology and chemistry before taking this course.

Engineering Internship - 356

1 credit

Open to 12th grade
Recommended: AP Physics or Physics 1
Prerequisite: Teacher Recommendation/Approval
of Course Instructor
(College in High School Course)

This semester-long program gives students the opportunity to learn about technology and engineering in conjunction with Kennametal. Students must be willing to attend eight afternoon sessions at the Kennametal Technology Center in Latrobe and/or Saint Vincent College and tour one of Kennametal's manufacturing facilities. These sessions extend beyond normal school hours. Sessions cover topics such as technology careers (including a career fair), engineering successes and failures, problem solving and innovation, manufacturing economics, engineering design, investigative analyses, system controls, and ethics in engineering. In addition, they complete a competitive group engineering project. In their class time, students work on STEM projects and activities, perform research and develop career skills through resume writing and mock interview. Students selected for the class are expected to have a strong foundation and interest in science and mathematics. Teacher recommendations are required. Interested students must see Mrs. Harper for an application. Class size is limited.

Social Studies

American History - 203

1 credit
Required for Grade 9

American History I traces the political, social, and economic development of the United States from the origins of the Cold War through the present era. America's heritage will be studied and analyzed in order to gain insight into the democratic principles that have shaped American life. Historical precedents will be studied to determine the significance on present society. Finally, America's growth as a nation will be detailed to understand how we have achieved our position in the world today. Readings, documents, and artwork from United States history will be an integral part of this course.

US Government and Politics - 223

1 credit
Required for Grade 10

US Government and Politics introduces students to the foundations of American Democracy, the branches of the U.S. government, civil liberties and civil rights, American political ideologies and beliefs, and political participation. Students will learn how the men who created the U.S. Constitution set up a structure of government intended to stand the test of time, and how the compromises they made left questions unresolved that continue to be debated today. Students will explore how the government is structured, and how it interacts to set and administer policy.

Students will also learn about various beliefs U.S. citizens hold about their government and how they can get involved as responsible citizens to help influence decisions made by our government.

Honors Advanced American History - 224

1 credit
Open to 9th graders with
Teacher Recommendation as a required course
Open to 10th, 11th, 12th Grade as an elective

This course focuses on events in American history from the Pre-Columbian Era to the Civil War. Students need to possess strong skills in reading, interpretation, inference, writing, oral communication, and critical thinking. Furthermore, gathering evidence to support or defend an argument is necessary for success in this course. This course is designed to provide students with an experience equivalent to that found in most college introductory courses. This is the first half of the curriculum for the AP American History exam.

AP American History - 225

1 credit
Open to 10th, 11th and 12th grade
(College in High School Course)
Prerequisite: Honors Advanced American History

This elective course focuses on events in American history from the Reconstruction Era to the present. Students need to possess strong skills in reading (interpretation/inference), writing, oral communication, and critical thinking. Furthermore, gathering evidence to support or defend an argument is necessary. This course is designed to provide students with an experience equivalent to that found in most college introductory courses. This is the second half of the curriculum for the AP American History exam.

Advanced Contemporary History - 226

1 credit
Open to 10th, 11th and 12th grade

This elective course focuses on events in American history from the Reconstruction Era to the present. Students need to possess strong skills in reading (interpretation/inference), writing, oral communication, and critical thinking. Furthermore, gathering evidence to support or defend an argument is necessary. This course is designed to provide students with an experience equivalent to that found in most college introductory courses. **This is the second half of the curriculum for the AP American History exam.**

Honors International Studies - 240

1 credit
Open to 11th grade
See Honors Criteria

Changes in world politics and business in the 21st century have made traditional nation-based studies almost obsolete. The interactions of global economies and politics as well as environmental concerns have created a world full of contradictions, perils and promises. This, in turn, has given rise to a need for education that is international in scope. Honors International Studies will produce students who are prepared to face these new global challenges. This course will begin by examining geographic regions and the issues they face today. By examining the history of these areas, students will be able to explain why current situations exist and attempt to predict future problems and solutions. Students will go into depth by analyzing primary sources, maps, documentary materials, and statistical tables. They will also examine current media and technology to establish ties between past events today.

International Studies - 243

**1 credit
Required in 11th grade**

International Studies is a required survey course designed to expose students to major geographic regions of the world and the people and events that have shaped those regions. Students will start by examining the increasingly interdependent world of today. Such topics as politics, business and economics, cultural studies and environmental issues will be covered. Next, students will delve into the history of each region to explain why current situations exist.

After completing International Studies, students will be more aware of the world in which they live. They will also be able to identify and understand historical themes that affect their own lives and provide meaning for the events of today.

Honors Law/Economics - 260

**1 credit
Open to 12th grade only**

Honors Economics will give the student a thorough understanding of the principles of economics that apply to the functions of the individual decision-makers, both producers and consumers, within the larger economic systems. It places emphasis on the nature and functions of product markets, and includes the study of the factors of production and the role of government in a market economy.

Honors Law is designed to provide students with practical information and problem-solving opportunities which develop in the students the knowledge and skills necessary for survival in our law-saturated society. The course includes activities such as case studies, mock trials, role-plays, small group exercises, opinion polls, and visual analysis activities.

Hybrid Honors Law/Economics - 261

**1 credit
Open to 12th grade only**

This course is delivered as a hybrid course. While the course curriculum is the same as described in the traditional course, participants in a hybrid course attend class several days per week and complete assigned online work in lieu of attending class every day. The Blackboard online management system is used to access course content through a web browser, correspond with the teacher and classmates, and submit classwork electronically. The class is scheduled block one, so that students with transportation may arrive for block 2 on days that the class does not meet. Students interested in this course will need a home computer with Internet access. Participation in a hybrid course promotes the practice of time management and ownership of learning. This experience with online course work is an excellent preparation for online learning experiences students may encounter beyond high school.

Law/Economics - 263

**1 credit
12th grade – Required**

This course will present the diverse areas of criminal and civil law in a manner that will be understandable, useful, and interesting to the high school student. By selecting this course, the student will study the basic concepts of law and how it affects our economic, social, and political systems. Some of the topics to be covered are family law, housing law, individual rights, and criminal law. By completing this course the student should have a practical knowledge of the laws affecting everyday life.

This course is a practical approach to the study of economics. Topics include both micro and macro-economic issues, highlighting business, consumer, labor, and government. A business consultant will work with each class.

Introduction to Psychology - 272

**.5 credit
Open to 10th through 12th grade**

Psychology - Introduction to Psychology presents students with a selected overview of this science by providing a foundation in basic theory and principles. Facts and practical examples from research enable students to become more aware of how psychology applies to their daily lives.

AP Psychology - 273

**1 credit
Open to 11th and 12th grade
(College in High School Course)**

The Advanced Placement Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. The rigorous curriculum of this Advanced Placement course is designed to mirror an entry-level college course, and students will prepare to succeed on the annual AP Psychology exam.

History Through Modern Media - 275

**.5 credit
Open to 10th through 12th grade**

A fascinating look at print, news, film, and other mediums to examine media's interpretation of historical events through the Ancients Greeks and Romans to the present. In this class you will learn to examine the interesting relationship between media and the historical record to explore what has been portrayed and why.

Holocaust - 278

.5 credit

Open to 10th through 12th grade

This course introduces students to Nazi Germany's systematic mass murder of Jews and other social undesirables in Europe during WWII. An understanding of this genocide leads us to realize the need for universal equal rights, for maintaining tolerance of others, and a refusal to let hate-based policies of a minority become the policy of a nation.

This course will be extraordinarily emotionally and intellectually challenging; however, upon successful completion of "Holocaust" students will gain a new perspective on this period in history.

Technology Education

Technology education is an integral part of the general education of each student. It is a comprehensive, activity-based program that is concerned with understanding the evolution, application, and significance of technology; the organization, personnel, systems, processes, resources and products of industry, and the social/cultural/environmental impact of both technology and industry.

Technology and Engineering Lab - 801

.5 credit

Open to 9th through 12th grade

Your learning experience in this class will prepare you for many future life and career opportunities. Students are encouraged to use their creativity and problem-solving skills to develop prototypes that help meet the demands of today's global economy. Students will work through exciting, challenging, minds-on, hands-on, project-based learning activities. Individual / teamwork efforts will be made to design, prototype, test, analyze, make improvements and communicate solutions. Students will effectively develop their best solutions using STEM (Science, Technology, engineering & Mathematics). Learning challenges will include numerous opportunities for students to engage in the development of sketches, technical drawings, designs, prototyping and engineering design journals. Technology and Engineering projects may include: Balsa Towers and/or Bridges, Mousetrap Vehicle, Hydraulic Robots and a Marble Roller Coaster.

Advanced Technology and Engineering Lab - 805

1 credit

Open to 10th through 12th grade

Prerequisite: "C" or better in Tech. & Eng. Lab

Enhance your technology and engineering abilities as you engage in advanced problem solving, design, technological and engineering challenges. You will learn to meet or exceed real world / industry needs and demands as you complete engineering design brief requirements and prototyping solutions. Students will engage in opportunities that build on previous Technology and Engineering Course experiences. You will use a variety of tools, machines, and processes to develop optimum prototypes for real world solutions. Using STeM (Science, Technology, engineering and Mathematics), students will use their creativity, the design loop, valuable skills, teamwork and communication skills to present their best solutions. Design challenges may include balsa car prototype, mousetrap vehicle launcher, fixed wing aircraft, trebuchet, alternative / renewable energy prototyping and more.

The Maker Class - 806

1 credit

Open to 10th through 12th grade

Prerequisite: "C" or better in ADV Tech. & Eng. Lab or Teacher Recommendation

If you can imagine it... Then you can make it! The maker class allows you to use your creativity to produce products that you choose. Whether it is tinkering with simple circuits, or designing and fabricating something to make your life easier, the Maker Class gives you access to traditional wood shop machines and tools, as well as computer-controlled machines (CNC router, 3D printer) to bring your designs to life.

Photography - 807

1 credit

Open to 9th through 12th grade

Photography I is an introduction to the photography world. During the nine weeks you will experience basic photography theory and how to take better photos. We spend most of our time learning how to photograph with our DSLR Canon cameras. Photoshop is a primary component of the course as we use it to edit photos and make original images.

If you are a visual learner and are interested in image manipulation/creation or curious about Photography/ Photoshop, take this course.

Animation - 808

1 credit

Open to 9th through 12th grade

Animation I is an activity based course that teaches you how to make 3D elements/objects and animate those objects. The program used in the course is Blender. This 3D rendering software is a very powerful program that enables you to create and be creative. More of a realistic approach, this is not a cartoon animation course. This 3D course is more on the design end of the computer world, not programming. So, if you are creative, have good computer skills and would like to explore the world of 3D animation, take this class.

Intro to CAD

(Computer Assisted Design) - 813

.5 credit

Open to 9th, 10th, 11th and 12th grade

This course is an introduction to computer aided design (CAD). Students will apply computer aided design techniques, strategies and principles to create drawings related to various 2D and 3D mechanical objects. Students will be exposed to the basic concepts of three-dimensional sketching and modeling, simple blueprint reading, design modification, basic computing, and the system hardware and software related to CAD. This course utilizes Autodesk Inventor, an industry standard in CAD operations.

CAD Mechanical Design - 816

1 credit

Open to 10th, 11th, and 12th grade

**Prerequisite: Intro to CAD (C or Better) or Teacher recommendation
(College in High School Course)**

CAD Mechanical Design is an advanced course that will give students the opportunity to improve speed and efficiency while understanding design. Topics include advanced work in solid modeling, parametric design, design and redesign concepts/principles, and assembly modeling. The course will prepare students in communication and critical thinking skills. The student will be required to turn in a final project portfolio that showcases their design work. This course utilizes the Autodesk Inventor and Fusion 360 software environments.

CAD Architectural Design- 817

1 credit

Open to 10th, 11th, and 12th grade

Prerequisite: Intro to CAD or

Teacher recommendation

CAD Architectural Design is an advanced course that is based on residential house design. In this course the student will be able to showcase their creativity while learning basic architectural foundations. Students will develop floor plans and site plans of many common house styles such as the ranch house, tiny house, and multi-story homes. The students will be guided through a series of projects using Autodesk Revit to reinforce concepts and ideas learned in mathematics, art, and social studies. The student will be required to turn in a final project of their own design that includes floor plans, detail drawings, and site plans with an emphasis placed on "green" building.

Engineering

Technology/Agile Robotics - 819

1 credit

Open to 11th and 12th grade

Engineering Technology/Agile Robotics is a course designed to help the student understand the world of robotics technology and engineering. The student is exposed to the many facets of robotics including material from the computer, electrical, and mechanical disciplines with a focus on engineering processes. The course features basic activities to solidify concepts and team-oriented, hands-on projects to solve basic robotics problems. Projects are modeled with Mindstorm NXT and programmed for autonomous behavior with Robot C (a C-based programming language written by Carnegie Mellon University).

Drone Operator - 822

1 credit

Open to 11th and 12th grade

Prerequisite: Must be 16 years of age for certification test

Interested in Unmanned Aerial Vehicles (UAV) flight? This rigorous UAV instructional course is designed to train students in Quadcopter UAV (Drone) flight. Students will train with flight simulators in scenario missions and will also log flight time using Mini-Quadcopters and a long distance/High Altitude Mavic Quadcopter. Flight will be on school property and during the class block. Students will be able to take the FAA Part 107 Flight Certification test upon successful course completion.

Graphic Design - 825

1 credit

Open to 10th, 11th and 12th Grade

This course offers digital design using the Adobe Creative Suite as a basis for the course. Photoshop, Illustrator and Light room are just a few of the apps that will be experienced during the course. Advanced photo editing skills in Lightroom and Photoshop will draw experience from the Photography 1 course. Illustrator will build design skills by creating logos and activity specific products. Activities in each unit will be applied to a variety of surfaces using our Laser Engraver, Vinyl Cutter and Color Photo printers.

Video Production - 901

1 credit

Video Production is a unique class that explores all aspects of the Video world. In this course students will learn Video Production in the studio, remote location and independent production. The student news show is only one part of the course and based on a Journalistic style of news program. Other activities will include writing/filming and editing independent videos for local and national competitions. Self-motivated students with good speaking skills and technical skills will excel in this course. Students will also learn to format video for delivery in a variety of environments, Streaming via website (YouTube), DVD and PC are some of the delivery formats. If you enjoy creating or are curious about how video works, take this course.

World Language

*All courses are conducted in the target language. Oral and written communication and class participation are major components of all courses. Students are to understand that all upper level French classes (IV and up) are taught on a revolving curriculum. Grammatical topics will be reviewed in all courses to allow enough time to begin to perfect communication skills. Content and vocabulary topics will **NOT** be repeated in any of the upper level classes if student has scheduled successive classes in successive semesters.*

French I - 601

1 credit

Open to 9th, 10th, 11th, and 12th grade

This course is the first in a series designed to provide students with proficiency in listening, speaking, reading, and writing in French. Emphasis is placed on the most commonly used structures and vocabulary. Units revolve around French culture and communication (written and spoken) in the French language. Students are exposed to various forms of media including texts, pictures, videos, music, and films. Topics covered include but are not limited to greetings, the school and classroom, family, food, clothing, leisure activities, celebrations, and the daily routine. Through varied exposure to real language, students will develop a strong foundation in basic French.

French II - 603

1 credit

Open to 9th, 10th, 11th, and 12th grade
Prerequisite: "C" or better in French I

This course is a continuation of French I and students are asked to call upon their prior knowledge to deepen their usage and understanding of the French language. Themes revolve around French speaking countries and regions of France and their respective cultures and traditions. Students continue to be exposed to authentic texts through the use of technology and music. Multimedia aids are utilized daily to increase student exposure to native speakers and students are required to converse in French in order to improve their oral fluency. Themes studied include, but are not limited to, personal hygiene and health, the city and French daily life, household chores, and a detailed unit on Paris. Students begin broadening their knowledge of the French language and begin to learn advanced grammatical structures and more interpersonal communication.

French III - 605

1 credit

**Prerequisite: "C" or better in French II
(College in High School Course)**

Students continue to increase their oral proficiency in French by giving special attention to topics that most easily facilitate communication in real-life situations. As with the previous two French courses, classes are conducted entirely in French and students continue to be required to communicate in French. The use of multimedia aids facilitates the study of French speaking countries and regions of France and other themes include; but are not limited to, nature, travel, and childhood activities. Advanced grammatical constructions are introduced, and students are required to begin combining multiple verb tenses and higher-level skills together to begin organizing speech in a more cohesive manner. Now that learners have built a strong foundation for the linguistic and cultural concepts; classroom activities and interactions will deepen and grow.

Pre AP French - 607

1 credit

**Prerequisite: "C" or better in French III
(College in High School Course)**

This course is a continuation of the previous levels of French and students are introduced to more advanced grammatical structures and verb tenses and are expected to use them in culturally acceptable communication, both verbally and in writing. Students will deepen their knowledge of francophone culture and history through the study of legends, historical texts, films, and art as well as by studying important situational topics that aid in the ease of communication in real-life situations. With more language study under their belts, students begin to gain confidence as they work through the challenges of class. This confidence helps open the learned to the Products, Practices, and Perspectives of the cultures studied and allows for comparisons with one's own culture. As with all previous levels of language, students are expected to communicate entirely in French with the teacher and their peers. Pre-AP French is part of a 2-semester sequence with AP French. Traditionally, one semester focuses on modern day France and the other semester is based on historical events in order to provide students with an overall view of society.

AP French - 609

1 credit

**Prerequisite: "B" or better in Pre AP French
(College in High School Course)**

This course is a continuation of the previous levels of French and students are introduced to more advanced grammatical structures and verb tenses and are expected to use them in culturally acceptable communication, both verbally and in writing. Students will deepen their knowledge of francophone culture and history through the study of legends, historical texts, films, and art as well as by studying important situational topics that aid in the ease of communication in real-life situations. With more language study under their belts, students begin to gain confidence as they work through the challenges of class. This confidence helps open the learned to the Products, Practices, and Perspectives of the cultures studied and allows for comparisons with one's own culture. As with all previous levels of language, students are expected to communicate entirely in French with the teacher and their peers. Pre-AP French is part of a 2-semester sequence with AP French. Traditionally, one semester focuses on modern day France and the other semester is based on historical events in order to provide students with an overall view of society. By this point, students are hopefully communicating at a level which would provide them the ability to functionally survive in the target culture (take college courses, live in a target country, survive in most day-to-day situations) Students will concentrate on the areas English speakers find most problematic when learning French, and they will learn to express themselves in a culturally acceptable manner. Students will continue to review verb tenses with a focus on various past tenses to be able to retell past events, discuss hypothetical situations. Students are expected to speak French as much as possible outside of the classroom setting and participate in cultural activities and events. Students will be exposed to the advanced grammar and vocabulary necessary to score well on the AP French Language Examination for possible college credit.

French VI - 611

1 credit

**Prerequisite: "B" or better in AP French
(College in High School Course)**

This course is designed for students who have previously completed all other levels of French and would like to deepen their knowledge and usage of the French language and culture. There is flexibility in course content in order to meet the individual needs and wants of students enrolled with the connection to potential career paths. The course continues to stress advanced grammatical structures and verb tenses while requiring students to combine all previously learned structures into cohesive text, both written and spoken. Advancement in vocabulary usage and retention is stressed. Students will use a wide variety of authentic documents, such as film, poetry, video clips, music, documentaries, news documents etc. to continue working on listening comprehension skills. Students will continue to concentrate on the areas English speakers find the most problematic when learning French and learn to express themselves in a culturally acceptable manner. Students will continue to review verb tenses with a focus on various past tenses in order to retell past events, discuss hypothetical situations in the past and present and give opinions in advanced ways. Students are expected to speak French as much as possible outside of the classroom setting and participate in cultural activities and events. Students will discover such subjects (but not limited to) Immigration, Government, Literature, and Current Events.

Spanish I - 621

1 credit

Open to 9th, 10th, 11th, and 12th grade

This course is the first in a series designed to provide students with proficiency in listening, speaking, reading, and writing in Spanish. Emphasis is placed on the most commonly used structures and vocabulary. Units revolve around Spanish culture and communication (written and spoken) in the Spanish language. Students are exposed to various forms of media including texts, pictures, videos, music, and films. Topics covered include but are not limited to greetings, the school and classroom, family, food, clothing, leisure activities, celebrations, and the daily routine. Through varied exposure to real language, students will develop a strong foundation in basic Spanish.

Spanish II - 623

1 credit

**Open to 9th, 10th, 11th, and 12th grade
Prerequisite: "C" or better in Spanish I**

This course is a continuation of Spanish I and students are asked to call upon their prior knowledge to deepen their usage and understanding of the Spanish language. Themes revolve around Spanish speaking countries and regions and their respective cultures and traditions. Students continue to be exposed to authentic texts through the use of technology and music. Multimedia aids are utilized daily to increase student exposure to native speakers and students are required to converse in Spanish in order to improve their oral fluency. Themes studied include, but are not limited to, personal hygiene and health, the city and Spanish daily life, household chores etc. Students begin broadening their knowledge of the Spanish language and begin to learn advanced grammatical structures and more interpersonal communication.

Spanish III - 625

1 credit

**Open to 10th, 11th, and 12th grade
Prerequisite: "C" or better in Spanish II
(College in High School Course)**

This course is a continuation of previously studied Spanish courses. Students will be introduced to and use more complex grammatical structures than those of previously studied levels. Students will expand on their knowledge of the cultures of Spanish speaking countries through the incorporation of different forms of art, music, television and film, current events, and culturally relevant celebrations. Some possible topics include but are not limited to familial traditions and relationships, hobbies and pastimes, daily routines, health and wellbeing, travel, nature and the environment, and science and technology. Throughout all units, an underlying focus will be on utilizing new grammar and vocabulary to expand on cultural comparisons and perspectives.

Pre AP Spanish- 627

1 credit

Open to 10th, 11th, and 12th grade

**Prerequisite: "C" or better in Spanish III
(College in High School Course)**

Exploring the intricacies of advanced grammatical structures and verb tenses in this Spanish course will provide students with a deeper understanding of the language as well as the culture. They will be encouraged to express themselves and react to cultural stimuli, drawing on, texts, films, art. The curriculum covers essential topics, enhancing the necessary communication skills to function in a Spanish-speaking country. Throughout the course, students will continuously engage with the Products, Practices, and Perspectives of the Spanish-speaking world, fostering cultural comparisons. The semester sequence, with one semester focusing on countries of Latin America and the other on Spain and its autonomous communities, provides a comprehensive view of Spanish-speaking societies on either side of the Atlantic. All communication within the classroom will occur in the target language.

AP Spanish - 629

1 credit

Open to 10th, 11th, and 12th grade

**Prerequisite: "B" or better in Pre-AP Spanish
(College in High School Course)**

This course builds on the foundation of previous levels of Spanish, introducing students to advanced grammatical structures and verb tenses. Emphasis is placed on using these linguistic elements in culturally appropriate communication, both orally and in writing. Exploring the richness of Hispanic culture and history, students engage with legends, historical texts, films, and art. As students progress through the course, their growing language skills instill confidence, facilitating exploration of the Products, Practices, and Perspectives of the studied cultures, with opportunities for cultural comparisons.

Paired with Pre-AP Spanish, the course spans two semesters, with one focusing on texts and topics related to Spain and the other being more closely tied to Latin America.

By this stage, students should reach a proficiency enabling them to function effectively in the target language from studying in the target language to living in a Spanish-speaking country and handling day-to-day situations. The curriculum addresses challenges commonly faced by English speakers learning Spanish, guiding students to express themselves in culturally appropriate ways. Reviewing various past tenses, students master the ability to recount events and discuss hypothetical situations. Outside the classroom, students are encouraged to use Spanish as much as possible and actively participate in

cultural activities. Part of the course will focus on preparation for the AP Exam which, with a passing score, would award students with college credits.

Spanish VI - 630

1 credit

Open to 11th, and 12th grade

**Prerequisite: "B" or better in Spanish AP
(College in High School Course)**

This course is designed for students who have previously completed all other levels of Spanish and would like to deepen their knowledge and usage of the Spanish language and culture. There is flexibility in course content in order to meet the individual needs and wants of students enrolled with the connection to potential career paths. The course continues to stress advanced grammatical structures and verb tenses while requiring students to combine all previously learned structures into cohesive text, both written and spoken. Advancement in vocabulary usage and retention is stressed. Students will use a wide variety of authentic documents, such as film, poetry, video clips, music, documentaries, news documents etc. to continue working on listening comprehension skills. Students will continue to concentrate on the areas English speakers find the most problematic when learning Spanish and learn to express themselves in a culturally acceptable manner. Students will continue to review verb tenses with a focus on different past tenses to retell past events, discuss hypothetical situations in the past and present, and express advanced opinions. It is expected that students use Spanish as much as possible outside of the classroom and actively participate in cultural activities and events. A focus will be studying the different ways the Spanish language can enhance students' future plans whether that may be in continuing education or in a career..

Foreign Language in

The Elementary School (FLES) - 631

1 credit

Selection only

Open to 11th and 12th grade

Students will have an opportunity to develop and teach lessons which introduce District elementary students to French, and/or Spanish. Participants must have completed advanced language study and be selected for participation by the members of the World Languages department.

CAP

Freshmen Seminar - CAP100

.5 credit
1st Semester Freshman Requirement

All Grade 9 Students are required to enroll in and successfully complete. Too many students enter ninth grade unaware of the academic and social requirements needed to be successful in a rigorous academic program and the need to prepare for post high-school activities. The Freshman Seminar is designed to provide students with the skills and knowledge necessary to meet expectations.

In-depth lessons which utilize a variety of innovative teaching techniques will be implemented to introduce skills and practice so that all students can succeed. The central focus of the curriculum is career preparation. The academic, study, and interpersonal skills necessary for everyday survival will also be included in the curriculum. The one semester course will culminate with a Freshman Exhibition showcasing student achievement.

Financial Literacy - CAP110

.5 credit
Open to 10th, 11th, and 12th grade
Required

Learn to take control of personal finances including checking/savings accounts, buying a home, car insurance, investments and credit. This course is a guide to the educational journey through the financial process. Whether your plans for after high school include job, marriage or college, make money work for you!

Senior Options

Community Service Program - 001/002

One Semester only- 1 credit
(Attendance policy guidelines)

This course is designed to provide students with the personal experience of volunteer service in the community. Community service should provide for educational, personal, and social growth for the students and strengthen the bond between the school and our community.

To truly serve the community, ***all selected sites must be off-campus***. Students may volunteer at the local hospital, senior care facilities, YMCA, YWCA, daycare centers, elementary or middle schools, local human service providers and other approved sites.

Students must complete a written application, which along with a review of attendance records for 11th grade, will determine acceptance into the program. Applicants are to consult with their counselors on their site selection.

Transportation to sites is not provided.

** All students accepted into the Community Service Program are required to spend the first week of the semester and selected days throughout the term in training.*

Work Experience Program - 003/004

One Semester - 1-2 credits
Full year - 2-4 credits

This program is designed to meet the needs of students in that it will provide an opportunity for career exploration, contribute to the understanding of job ethics, and give students the chance to earn additional income.

The applicant must have employment with a minimum of 12 hours per week for each block scheduled, parental approval, and transportation to the job site. The student's schedule must be such that he or she is able to take all required subjects and be earning enough credits their senior year to ensure, if successfully completed, that they will meet the requirements for graduation.

A unique feature of Work Experience is that although a credit is earned, it is not a credit that counts towards graduation.

Dual Enrollment - 005/006

Open to 10th, 11th, and 12th grade

Seniors who have completed or will complete all credit requirements for graduation (see course selection booklet) may request consideration to pursue college level courses. This option will provide students with the opportunity to earn college credits as well as high school credit grades earned will be used in determining GPA. Those students who are approved for this option will accept responsibility for their own transportation and costs.

Pre-Apprenticeship - CAP 151

Pre-Apprenticeship CO-OP - CAP 152

Prerequisite: Teacher Recommendation/App. Process
One or Two Semesters - 1 credit each
(May need to pass work industry clearances)

This semester-long program gives students the opportunity to practice and apply professional/business etiquette, soft skills development, business acumen, personal branding, and event organization. Additionally, interested students must be willing to participate in paid/unpaid pre-apprenticeship work schedules during a portion of the academic school year. Students may also complete industry recognized certifications, create/refine a professional resume, participate in mock interviews, and participate in site visits with local business partners.