Greensburg Salem High School

Course Selection Guide 2025-2026

Requirements for Greensburg Salem 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 the Pennsylvania academic standards, not assessed in the Commonwealth of Pennsylvania's assessment system.
- Demonstration of completion of a Pennsylvania Pathway to Graduation (Act 158).
    - Keystone Proficiency Pathway
    - Keystone Composite Pathway
    - Alternate Assessment Pathway
    - Evidence-Based Pathway
    - CTE Pathway
- Students must successfully complete a total of no less than twenty-five and one-half (25.5) credits to be eligible for graduation.
- The twenty-five and one-half (25.5) credits must include the successful completion of courses or learning requirements as listed in the Greensburg Salem High School course selection book.
- No student who fails to meet graduation requirements will receive a diploma or be permitted to participate in commencement exercises.
- Successful completion of every component of the Career Awareness Program (CAP) is a requirement for graduation.

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

Course Title/Description	**Units of Credit**
English Language Arts (must include a Literature course)	3
Mathematics (must include Algebra I & Geometry)	3
Science (must include Biology)	3
Social Studies (must include US History & Civics & Government)*	3
Minimum of 1 Core Course Elective (World Language Accepted)	1
Physical Education	1
Health	0.5
Freshman Seminar	0.5
Financial Literacy	0.5
STEM Course Elective	1
General Electives	9

Minimum Requirement for Graduation: 25.5 Credits

Mandated Requirements from the Commonwealth of Pennsylvania

- Keystone Courses and Testing for Algebra I, Biology, and Literature
- Civic Knowledge Assessment – Included in Civics and Government
- Minimum of four (4) semesters of US History between grades 7 & 12
- Education on communicable diseases (including HIV AIDS) – Included in Health Curriculum
- Act 7 of 2019: Hands-only CPR training – Included in the Health Curriculum
- Financial Literacy (starting in 2026-2027)

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. Julie Ebersole, Guidance Office Secretary - 724.832.2960 x3 – Julie.Ebersole@gslions.net

REMIND PARENT NOTIFICATION:

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

Class of 2029 Text @gsguid29 to 81010
Class of 2028 Text @gsguid28 to 81010
Class of 2027 Text @gsguid27 to 81010
Class of 2026 Text @gsguid26 to 81010

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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.

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Pathway Criteria

CTE Concentrator

1 Artifact

- Industry-based competency certification
- Likelihood of industry-based competency assessment success
- Readiness for continued engagement in CTE Concentrator program of study

Alternative Assessment

1 Artifact

- Attainment of one alternative assessment score or better: ACT (21), ASVAB AFQT (31), PSAT/NMSQT (970), or SAT (1010)
- Attainment of Gold Level or better on ACT WorkKeys
- Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than Proficient
- Attainment of 4 or better on IB Exam(s) related to each Keystone content area in which less than Proficient
- Successful completion of concurrent enrollment course(s) related to each Keystone content area in which less than Proficient
- Successful completion of a pre-apprenticeship program
- Acceptance into accredited, non-profit Institution of Higher Education (IHE) 4yr program for college-level coursework

Evidence-Based

3 Artifacts consistent w/student goals

ONE or more from Section One
No more than TWO from Section Two

Section 1

- Attainment of 630 or better on any SAT Subject Test
- Attainment of Silver Level or better on ACT WorkKeys
- Attainment of 3 or better on any AP Exam
- Attainment of 3 or better on any IB Exam
- Successful completion of any concurrent enrollment or postsecondary course
- Industry-recognized credentialization
- Acceptance into accredited, non-profit Institution of Higher Education (IHE) for college-level coursework in an other-than-4yr program

Section 2

- Attainment of Proficient or Advanced on any Keystone Exam
- Successful completion of a service-learning project
- Letter guaranteeing full-time employment or military enlistment
- Completion of an internship, externship, or cooperative education program
- Compliance with NCAA Division II academic requirements

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 Courses

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, for the courses listed below (subject to change).

SETON HILL UNIVERSITY (SHU)

HS Course	College Course	SHU Course #
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 Chemistry	General Chemistry & Lab	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	The Environment: Issues & Choices	SBL 154

WESTMORELAND COUNTY COMMUNITY COLLEGE (WCCC)

HS Course	College Course	WCCC Course #
CAD Mechanical	3D Solid Modeling I	DFT266
AP Lit and Comp	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
AP American 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
AP Environmental Science	Environmental Issues	BIO120
Honors Accounting II	Accounting I	ACC155
AP Psychology	General Psychology	PSY160
AP Statistics	Intro to Statistics	MTH160
Math for Tech and Trades	Math for Technologies	MTH108

SAINT VINCENT COLLEGE (SVC)

HS Course	College Course	SVC Course #
AP Spanish	Intermediate Spanish I	SP 203
Spanish VI	Intermediate Spanish II	SP 204
Kennamental Internship	Kennamental Young Engineers	ENGR099

AP Courses Offered at GSHS

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.

AP Biology	**AP Music Theory**
AP Chemistry	**AP Art Portfolio**
AP Physics 1 & 2	**AP Calculus**
AP Environmental Science	**AP Computer Science Principles**
AP American History	**AP Computer Science A**
AP Literature and Composition	**AP Statistics**
AP Language and Composition	**AP French**
AP Psychology	**AP Spanish**

AP exams are administered each May. Each exam consists of a multiple choice and a free-response section, with the exception of AP Art Portfolio, which consists entirely of student-submitted portfolios. Most exams are three hours long and cover two semesters of college-level work. While all students are encouraged to take the exam, there is no requirement that they do so. However, many colleges offer credit to students who take and who score well on the exams; therefore, it may be financially beneficial for students to take the exams.

Students who select an AP course should expect to spend considerable time in out-of-class preparation (summer assignments are common). Although Greensburg Salem does not restrict the number of AP classes a student may select in a school year, more than two AP classes would require a very strong commitment from any student. Should you have questions concerning any AP course, please contact your School Counselor.

Students who wish to enroll in an AP course without meeting the prerequisites will need to meet with their respective School Counselor to discuss scheduling options.

Listed above are Greensburg Salem's Advanced Placement courses approved through the College Board.

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*.**

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 for 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.

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

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.

Academic Course Offerings

ART

Intro to Art - ART500			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course is 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.		
Prerequisite(s)	None		

Ceramics I - ART510			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course is 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.		
Prerequisite(s)	None		

Ceramics II - ART511			
Credits	0.5	**Grade(s)**	10-12
Course Description	This course is 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.		
Prerequisite(s)	Completion of Ceramics I		

Ceramics III - ART512			
Credits	0.5	**Grade(s)**	11-12
Course Description	This course is designed for the advanced art student that continues to build upon pottery skills with an emphasis on wheel-thrown ceramics.		
Prerequisite(s)	Completion of Ceramics I & II		

Drawing I - ART520			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course is 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.		
Prerequisite(s)	None		

Drawing II - ART521			
Credits	0.5	**Grade(s)**	10-12
Course Description	This course is 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.		
Prerequisite(s)	Completion of Drawing I		

Drawing III - ART522			
Credits	0.5	**Grade(s)**	11-12
Course Description	This 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.		
Prerequisite(s)	Completion of Drawing I & II		

Advanced Design - ART540			
Credits	0.5	**Grade(s)**	10-12
Course Description	The focus of this semester course is to explore art forms and design fields that relate to functional or applied applications like product & packaging design, furniture & interior design, fashion design, textile 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.		
Prerequisite(s)	Completion of any Art Course		

AP Advanced Art & Portfolio Preparation - ART550			
Credits	1	**Grade(s)**	10-12
Course Description	This 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.		
Prerequisite(s)	Completion of an art course and teacher recommendation		

Painting I - ART530			
Credits	0.5	**Grade(s)**	10-12
Course Description	This 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.		
Prerequisite(s)	None		

Painting II - ART531			
Credits	0.5	**Grade(s)**	10-12
Course Description	This 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.		
Prerequisite(s)	Completion of Painting I		

Painting III - ART532			
Credits	0.5	**Grade(s)**	11-12
Course Description	This course builds upon the skills and techniques developed in Painting I and Painting II. 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.		
Prerequisite(s)	Completion of Painting I & II		

BUSINESS TECHNOLOGY

Life in the Digital Age - BUS600			
Credits	0.5	**Grade(s)**	9-12
Course Description	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. Students will create various documents, reports, business letters, spreadsheets and brochures.		
Prerequisite(s)	None		

Accounting I - BUS610			
Credits	0.5	**Grade(s)**	10-12
Course Description	Accounting I is a course in which students learn how to plan, record, analyze, and interpret the financial records of a business. The student will learn the accounting cycle as it applies to service and merchandising businesses organized as proprietorships, partnerships, and corporations. Students will be exposed to digital operations of accounting using online software. This course is of value to students wanting to work in the business world or own their own business. This is a self-paced course.		
Prerequisite(s)	None		

Accounting II - BUS612			
Credits	0.5	**Grade(s)**	10-12
Course Description	This course builds and expands on the theory learned in Accounting I. Students are encouraged to solve problem situations independently. Automated Accounting is learned and applied using the computer. This course is of value to a student who plans to continue the study of accounting or business administration and enter the world of business. Accounting II is a self-paced course using online software.		
Prerequisite(s)	Accounting I		

Honors Accounting I- BUS611			
Credits	0.5	**Grade(s)**	10-12
Course Description	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, Honors Accounting is a self-paced course using online software. This course dives deeper into accounting principles than Accounting I.		
Prerequisite(s)	C or better in Algebra		

Honors Accounting II - BUS613			
Credits	0.5	**Grade(s)**	11-12
Course Description	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. Honors Accounting is a self-paced course using online software. This course dives deeper into accounting principles than Accounting II. **(College in High School Course)**		
Prerequisite(s)	C or better in Accounting I. Honors Accounting I course completion preferred		

Sports & Entertainment Marketing I - BUS650			
Credits	0.5	**Grade(s)**	10-12
Course Description	Explore the exciting world of sports and entertainment through the lens of marketing. This introductory course covers fundamental topics, including career development, college and amateur sports, professional sports, public image management, entertainment marketing, promotional planning, marketing plans, and legal issues. Students will develop critical thinking, decision-making, and communication skills through engaging activities, projects and marketing simulations. Recommended for students interested in careers in Business, Marketing, Sports & Entertainment, or Public Relations. This co-curricular course integrates with DECA, encouraging participation in competitions, leadership activities, and opportunities for awards, scholarships, and travel.		
Prerequisite(s)	None		

Sports & Entertainment Marketing II - BUS651			
Credits	0.5	**Grade(s)**	11-12
Course Description	This advanced course is designed for students interested in careers in Business, Marketing, Sports & Entertainment, or Public Relations. Building on foundational concepts from Sports & Entertainment Marketing I, it focuses on advanced principles such as business management, career development, client relations, ethics, event and facility management, legal issues, promotions, and sponsorships. Students will refine skills in communication, teamwork, and technical skills through simulations, real-world projects, and work-based learning opportunities like internships. As a co-curricular course, participation in DECA is encouraged, offering leadership development, competitions, scholarships, and networking opportunities to apply and showcase students' marketing expertise.		
Prerequisite(s)	C or better in Sports & Entertainment Marketing I		

Introduction to Game Programming - BUS620			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course is an engaging introduction to computer science, designed to build a strong foundation in programming and digital creation. Students will begin with visual programming in Scratch, mastering essential coding concepts like logic, sequences, and loops. As they progress, they'll develop text-based coding skills in CSAcademy, tackling core programming constructs and problem-solving techniques. Expanding their creative toolkit, students will explore pixel art for sprite and asset creation, introducing visual design elements to their projects, and use Tinkercad for 3D modeling, preparing them for hands-on 3D printing. The course culminates with an introduction to Construct 3, where students apply their skills to create interactive programs and simple games. By the end, students will have a versatile set of programming and design skills, preparing them for further exploration in computer science.		
Prerequisite(s)	None		

Game Development and Mechanics (Programming I) - BUS621			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course builds on the foundational concepts introduced in Intro to Programming, applying them to the engaging world of game programming. Students will explore core principles of game design by working on a variety of projects, including creating a physical board game. Throughout the semester, they will learn essential aspects of game development, such as game logic, level design, and mechanics, gaining hands-on experience with the technical and creative elements that make games fun and immersive. By the end of the course, students will have a portfolio of projects demonstrating their understanding of the fundamentals of game programming and design.		
Prerequisite(s)	None		

AP Computer Science Principles (Programming II) - BUS622			
Credits	1	**Grade(s)**	10-12
Course Description	In this advanced course, students dive deeper into game development by building on their programming knowledge and exploring Unity, a powerful platform for creating interactive games. Throughout the semester, students will work through a series of game development units, designing and coding multiple game genres, including a Cookie Clicker, platformer, puzzle, and a turn-based Pokémon-style game. Through hands-on projects, students will apply game design principles and tackle challenges in mechanics, user interaction, and visual storytelling. By the end of the course, students will have a strong foundation in Unity game development and a portfolio showcasing a variety of game types and their skills in AP Computer Science Principles.		
Prerequisite(s)	Introduction to Game Programming or Game Development and Mechanics		

AP Computer Science A (Programming III) - BUS623			
Credits	1	**Grade(s)**	10-12
Course Description	This rigorous, college-level course introduces students to the foundational concepts of computer science through Java programming. Designed to prepare students for the AP Computer Science A exam, the course emphasizes object-oriented programming, problem-solving, and algorithm development. Students will learn core concepts such as data structures, control structures, classes, and methods, gaining hands-on experience in writing, testing, and debugging Java programs. Throughout the course, students tackle a variety of projects and challenges that foster computational thinking and prepare them for future studies in computer science and related fields. By the end of the course, students will be proficient in Java and well-prepared to pursue AP certification.		
Prerequisite(s)	Introduction to Game Programming or Game Development and Mechanics. The AP Computer Science test is an option for this level.		

Entrepreneurship I - BUS630			
Credits	0.5	**Grade(s)**	10-12
Course Description	This course introduces students to the exciting world of entrepreneurship, focusing on the nature and scope of starting and managing a business. Students will explore personal traits and behaviors essential to becoming successful entrepreneurs and learn the fundamentals of business planning, economic concepts, marketing, and small business finance. Through hands-on projects and simulations students will apply problem-solving, teamwork, and critical thinking skills. The course also integrates current technology to develop multimedia presentations, spreadsheets, and business documents. By the end of the course, students will create a rough draft business plan for a venture promoting school spirit. As a co-curricular course, participation in DECA is encouraged, giving students the opportunity to develop leadership skills, engage in competitions, and earn awards and scholarships that enhance their entrepreneurial journey.		
Prerequisite(s)	None		

Entrepreneurship II - BUS631			
Credits	0.5	**Grade(s)**	11-12
Course Description	Building on concepts from Entrepreneurship I, this advanced course builds focuses on the critical thinking, problem-solving, and leadership skills needed to succeed as a business owner or in a competitive job market. Students will delve into advanced concepts in finance, accounting, marketing, management, and legal environments, while exploring the process of creating and managing a business venture. Through project-based learning, students will develop comprehensive business plans that address organizational structure, financing, operations, marketing, and human resources. Leadership activities, guest speakers, and real-world applications connect classroom concepts to current entrepreneurial trends, preparing students with a competitive edge in the global marketplace. DECA participation is highly encouraged in this course, providing students with opportunities to apply their entrepreneurial skills in competitions, leadership roles, and networking activities.		
Prerequisite(s)	C or better in Entrepreneurship I		

[PILOT] - Esports: Gameplay, Strategy, and Industry Essentials - BUS660			
Credits	0.5	**Grade(s)**	10-12
Course Description	This course immerses students in the exciting world of esports, covering both the competitive and business aspects of the gaming industry. Students will start by exploring gaming history, understanding the evolution of esports, and playing popular games to develop strategic and teamwork skills. They will have opportunities to compete with other schools, gaining hands-on experience in a competitive environment. Beyond gameplay, students will delve into the business side of esports, learning about marketing, entrepreneurship, event management, and the structure of the gaming industry. By the end of the course, students will have a comprehensive understanding of esports as both players and future professionals in this rapidly growing field.		
Prerequisite(s)	Introduction to Programming or Game Development and Mechanics		

The World of Business - BUS640			
Credits	0.5	**Grade(s)**	10-12
Course Description	This course introduces students to the world of money management, finance and business foundations. Learn about financial options, responsibilities, and consequences of mismanaged funds. Through this business introduction course students can navigate the financial decisions they face today and tomorrow. A business and personal finance simulation will be used.		
Prerequisite(s)	None		

ENGLISH LANGUAGE ARTS

English 9 - ENG100			
Credits	1	**Grade(s)**	9
Course Description	This course combines skills of reading, writing, listening and speaking. The primary goal for the course is to provide the student with a foundation for concise expressions 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.		
Prerequisite(s)	None		

Pre AP English 9 - ENG101			
Credits	1	**Grade(s)**	9
Course Description	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.		
Prerequisite(s)	None		

Pre AP English 10 - ENG111			
Credits	1	**Grade(s)**	10
Course Description	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.		
Prerequisite(s)	None		

English 10 - ENG110			
Credits	1	**Grade(s)**	10
Course Description	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.		
Prerequisite(s)	None		

English 11 - ENG143			
Credits	1	**Grade(s)**	11
Course Description	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.		
Prerequisite(s)	None		

English 12 - ENG130			
Credits	1	**Grade(s)**	12
Course Description	This course is designed to fulfill the needs of the Senior considering post high school education. Students will engage in discussion and analysis of literature as well as writing with a distinct purpose. Though reading materials range from the medieval to modern era, student discussion and analysis will focus on the elements of literature with an emphasis on author's purpose. Additionally, to prepare for post-secondary writing, students are required to submit a carefully prepared persuasive essay wherein they will learn the process of preparing a formal piece of writing. The persuasive essay will also be accompanied by a visual presentation. Other work includes analysis of literature-related films and some non-fiction writing.		
Prerequisite(s)	None		

AP Language & Composition - ENG140			
Credits	1	**Grade(s)**	11
Course Description	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.		
Prerequisite(s)	None		

AP Literature & Composition - ENG141			
Credits	1	**Grade(s)**	12
Course Description	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. 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. **(College in High School Course)**		
Prerequisite(s)	None		

Dramatic Arts Individual - ENG175			
Credits	0.5	**Grade(s)**	9-12
Course Description	Dramatic Arts Individual 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.		
Prerequisite(s)	None		

Dramatic Arts Ensemble - ENG151			
Credits	0.5	**Grade(s)**	9-12
Course Description	Dramatic Arts Ensemble 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.		
Prerequisite(s)	None		

Journalism I - ENG181			
Credits	0.5	**Grade(s)**	9-12
Course Description	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 journalism has evolved and where it is going. Journalistic and creative writing techniques are explored 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. This course will train students through careful planning, use of meaningful words and sentences, and logical progression toward a point of view. **(College in High School Course)**		
Prerequisite(s)	None		

Journalism II - ENG161			
Credits	0.5	**Grade(s)**	10-12
Course Description	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. Working 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.		
Prerequisite(s)	None		

Journalism III - ENG162			
Credits	0.5	**Grade(s)**	11-12
Course Description	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 students continue 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.		
Prerequisite(s)	None		

[PILOT] - Interpreting Literature in the Digital Age - ENG191			
Credits	0.5	**Grade(s)**	9-12
Course Description	Students will explore novels, dramas, or short stories that have been adapted into movies or television shows. They will first read the piece, then examine the adaptation, analyzing choices that were made in order to creating the piece in a different medium, such as (casting choices, characterization, plot development, character development, thematic differences, and overall choices made by the Director that both reinforce choices made by the Author as well as change those choices).		
Prerequisite(s)	None		

Yearbook - ENG170			
Credits	0.5	**Grade(s)**	9-12
Course Description	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 to properly create a school Yearbook.		
Prerequisite(s)	None		

Introduction to Mock Trial - ENG182			
Credits	0.5	**Grade(s)**	9-12
Course Description	This class explores the art and techniques of persuasive communication, focusing on how language can be used to influence attitudes, beliefs, and behaviors. Students will learn the principles of persuasive speaking, including the effective use of rhetoric, ethos, pathos, and logos, while also delving into the ethical and manipulative aspects of propaganda. Students will understand the components of persuasive speech, including appeals to emotions, logic, and credibility, and analyze the three primary methods of persuasion and how they shape audience response. They will identify and evaluate common propaganda tactics used in media, politics, advertising, and law. Students will also be introduced to the basics of mock trial. 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 a small Mock Trial Competition. Students learn the general law relevant to the class 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.		
Prerequisite(s)	Teacher recommendation/selection		

Mock Trial - ENG184			
Credits	1	**Grade(s)**	9-12
Course Description	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.		
Prerequisite(s)	Teacher recommendation/selection		

FAMILY AND CONSUMER SCIENCES

Introduction to Culinary - FCS700			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course provides students with foundational skills in cooking, food preparation, and kitchen safety. This hands-on course covers essential techniques such as knife skills, basic cooking methods, baking, and food presentation. Students will learn about ingredient selection, recipe reading, meal planning, and the importance of nutrition and food safety in the kitchen. After completion of this course, students can earn a ServSafe Food Handler Certificate.		
Prerequisite(s)	None		

Culinary Arts - FCS701			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course provides students with foundational skills in cooking, food preparation, and kitchen safety. This hands-on course covers essential techniques such as knife skills, basic cooking methods, baking, and food presentation. Students will learn about ingredient selection, recipe reading, meal planning, and the importance of nutrition and food safety in the kitchen.		
Prerequisite(s)	Intro to Culinary		

The Science of Baking – FCS702			
Credits	0.5	**Grade(s)**	10-12
Course Description	This class combines the art of creating delicious baked goods with the scientific principles that make them successful. Students will explore the chemistry and biology behind baking and pastry techniques, learning how ingredients interact, how heat affects dough and batter, and the science of texture, flavor, and structure in pastries. Through hands-on projects, students will develop essential baking skills while gaining a deep understanding of the "why" behind each technique. The course covers a variety of baked goods, from breads and cakes to pastries, cookies, and tarts, with an emphasis on precision, consistency, and innovation. Students will also experiment with different ingredients and methods to see how small changes can impact the final product, exploring topics such as fermentation, leavening, emulsification, and gluten development		
Prerequisite(s)	Culinary Arts		

World Cuisine - FCS703			
Credits	0.5	**Grade(s)**	10-12
Course Description	This course invites students to explore the diverse flavors, techniques, and cultural traditions that shape cuisines around the world. This hands-on culinary course covers key culinary regions across the globe. Students will learn to prepare iconic dishes, understand the historical and cultural significance behind each recipe, and develop skills in ingredient selection, cooking techniques, and food presentation. Beyond practical cooking skills, students will study the origins and adaptations of different food traditions, exploring how geography, climate, trade, and culture influence what and how people eat. Each unit includes opportunities for tasting, recipe adaptation, and ingredient exploration. Students will also discuss contemporary global food issues such as sustainability, food security, and ethical sourcing.		
Prerequisite(s)	Culinary Arts		

Nutrition - FCS704			
Credits	0.5	**Grade(s)**	9-12
Course Description	Nutrition introduces students to the science of nutrition and its role in promoting health and well-being. This course explores the fundamentals of nutrients, the digestive process, and how balanced diets contribute to physical and mental health. Students will learn to assess nutritional needs, interpret food labels, and make informed food choices for themselves and others. Key topics include macronutrients and micronutrients, food safety, dietary guidelines, and the effects of lifestyle factors on nutrition.		
Prerequisite(s)	None		

Child Development Level I - FCS710			
Credits	0.5	**Grade(s)**	10-12
Course Description	After developing skills, knowledge, and attitudes needed to work effectively with young children, you will plan and operate a preschool program for three-, four-, and five-year-old children. This course will provide valuable learning experience for those who enjoy children and for those who are interested in a career working with young children. Some expenses are the student's responsibility. Additionally, there are dress code expectations to keep a professional appearance.		
Prerequisite(s)	None		

Child Development Level II - FCS711			
Credits	0.5	**Grade(s)**	11-12
Course Description	Students with a career interest in childcare or the teaching profession are encouraged to take this course. With knowledge gained from the experience in Child Development I, the students will develop a learning environment that addresses the sequence of growth for children ages three, four, and five. By designing the preschool classroom and preparing lessons according to PA State Standards, the student will gain a better understanding of the purpose, philosophy, and values of early childhood education. Some expenses are the student's responsibility. Additionally, there are dress code expectations to keep a professional appearance.		
Prerequisite(s)	Child Development I		

Preschool Practicum (previously Child Development III)- FCS712			
Credits	3	**Grade(s)**	12
Course Description	Preschool Practicum is reserved solely for students that have committed to completing the Childcare and Support Services Management certification program (PA CIP Code 19.0708). Through these extended studies of preschool laboratory, this advanced learning block will provide students with the necessary hours, experience, and knowledge to obtain their CDA-Ready Certification, according to PA CIP Code requirements. This course would be offered blocks 5-7 for the full year.		
Prerequisite(s)	Teacher Recommendation		

[PILOT] - Fashion and Design - FCS720			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course introduces students to essential design principles like balance, proportion, and harmony, applied in both fashion and interior spaces. Through hands-on projects, students explore basic sewing skills, fabric selection, space planning, color schemes, and sustainable practices. Students will learn clothing construction, room layouts, and mood boards that reflect personal style and cultural influences, gaining skills to design functional, inspiring, and cohesive looks for both fashion and interiors. Some expenses are the student's responsibility.		
Prerequisite(s)	None		

MATHEMATICS

Algebraic Foundations-MTH200			
Credits	1	**Grade(s)**	9
Course Description	This course provides a foundational understanding of mathematical principles essential for mathematics courses. Students will explore concepts in number theory, algebraic expressions, and rational numbers through rigorous problem-solving techniques. Emphasis is placed on mastering the operations of integers, fractions, and decimals while delving into the rules governing order of operations and properties of numbers. Through structured exercises, students will gain proficiency in solving multi-step equations and inequalities. The course also introduces geometric principles, enabling students to analyze relationships between shapes, measure perimeter and area, and apply the Pythagorean theorem. Critical thinking and logical reasoning are developed as students learn to graph on the coordinate plane and interpret linear relationships. Real-world applications reinforce an understanding of ratios, proportions, and percentages. Students are encouraged to cultivate mathematical fluency and precision, building a strong base for future algebraic studies.		
Prerequisite(s)	Middle School Recommendation		

Algebra I - MTH201			
Credits	1	**Grade(s)**	9-12
Course Description	Algebra I focuses on building a foundational understanding of algebraic principles essential for academic success in mathematics. Students will explore variables, expressions, and equations, learning to create, interpret, and manipulate algebraic models. The course emphasizes linear equations and inequalities, providing students with skills to solve for unknowns and analyze solutions in practical contexts. Both algebraic and graphical functions are explored to enable students to develop a comprehensive understanding of relationships between variables. Students will work with real-world data to construct and interpret linear models, applying their knowledge to real-life situations. Systems of equations and inequalities are introduced to solve scenarios with multiple variables. Polynomial operations, including factoring, support the transition to advanced algebraic concepts. Problem-solving and reasoning skills are woven throughout each unit.		
Prerequisite(s)	None		

Geometry - MTH210			
Credits	1	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	Algebra		

Honors Geometry - MTH211			
Credits	1	**Grade(s)**	9-10
Course Description	Honors 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. **Offered to those in Accelerated Math.**		
Prerequisite(s)	Teacher Recommendation		

Math for Tech and Trades – MTH215			
Credits	1	**Grade(s)**	11-12
Course Description	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. **(College in High School Course)**		
Prerequisite(s)	Algebra, Geometry		

Algebra II - MTH220			
Credits	1	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	Geometry		

Honors Algebra II - MTH221			
Credits	1	**Grade(s)**	9-10
Course Description	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. **Offered to those in Accelerated Math.**		
Prerequisite(s)	Teacher Recommendation		

[PILOT] – Mathematical Connections – MTH222			
Credits	1	**Grade(s)**	11-12
Course Description	Mathematical Connections is designed to strengthen students' understanding of algebraic concepts essential for advanced mathematics. The course emphasizes critical skills in manipulating and solving linear, quadratic, and polynomial equations. Students will explore functions in-depth, including exponential, logarithmic, and rational functions, to develop a solid foundation in function analysis. Complex numbers and their applications are introduced, allowing students to expand their problem-solving abilities. Graphing techniques are emphasized, providing students with tools to analyze and interpret mathematical models. Systems of equations are covered extensively, enabling students to solve multi-variable problems both algebraically and graphically. This course will also contain an introduction to trigonometric concepts. The primary focus is to prepare students for further studies in mathematics at the university level for non-math focused disciplines.		
Prerequisite(s)	Geometry		

Honors Trigonometry/Precalculus - MTH240			
Credits	1	**Grade(s)**	10-12
Course Description	Trigonometry and Pre-Calculus is an advanced course designed to prepare students for calculus and other higher-level mathematics. The course begins with an in-depth exploration of trigonometric functions, including sine, cosine, tangent, and their inverses, as well as key identities and formulas. Students will learn to solve trigonometric equations, graph periodic functions, and apply trigonometry to solve various scenarios. Building on trigonometry, students delve into advanced algebraic concepts, such as polynomial, rational, exponential, and logarithmic functions, emphasizing function transformations, compositions, and inverses. Conic sections and parametric equations are covered, expanding students' understanding of functions. Students will also study limits, an essential concept in calculus, to bridge the gap between algebraic and calculus-based approaches to problem-solving.		
Prerequisite(s)	Algebra II		

Pre-Calculus – MTH250			
Credits	1	**Grade(s)**	11-12
Course Description	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 functions. A thorough investigation of properties of functions will lead into a focused look at exponential quadratic, and other algebraic functions. Other concepts include advanced solving tactics in both equations and inequalities. Properties of polynomial and rational functions will tie in with previously learned concepts. *Course will be offered for students who have previously taken Honors Trigonometry		
Prerequisite(s)	Honors Trigonometry		

AP Calculus - MTH251			
Credits	1	**Grade(s)**	11-12
Course Description	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. **(College in High School Course)**		
Prerequisite(s)	Honors Trigonometry/Precalculus		

Calculus II - MTH252			
Credits	1	**Grade(s)**	12
Course Description	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. **(College in High School Course)**		
Prerequisite(s)	Calculus I		

AP Statistics - MTH230			
Credits	1	**Grade(s)**	10-12
Course Description	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: exploring data, sampling and experimentations, anticipating patterns, statistical inference. **(College in High School Course)**		
Prerequisite(s)	Algebra II		

Statistical Reasoning in Sports - MTH231			
Credits	1	**Grade(s)**	11-12
Course Description	Ever wondered if the Steelers' defense really makes the difference, or if a basketball player can get a "hot hand" and carry the game? This hands-on course dives into the stats behind sports and uses real data from the NFL, NBA, MLB, and more to answer questions that bring sports and stats together! In each unit, we start with a question you care about – like who should be your first fantasy baseball draft pick or what makes a Super Bowl win happen. Here's how we break it down: 1. Formulate Questions – What do we want to know, and how can we use data to figure it out? 2. Collect Data – Use real sports stats or gather your own data by doing sports-based experiments! 3. Analyze Data – Look for trends, patterns, and surprising insights in the numbers. 4. Interpret Results – Draw your conclusions and see if the stats back up the hype! You'll get to run experiments based on sports, use simulations, and make predictions, all while working on projects that bring data to life. If you love sports and want to learn to "read" the game through stats, this course will make you the MVP of sports analytics!		
Prerequisite(s)	Algebra, Geometry		

MUSIC

Instrumental Music Lab - MUS500			
Credits	0.5	**Grade(s)**	9-12
Course Description	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.		
Prerequisite(s)	None		

Concert Band - MUS501			
Credits	0.5	**Grade(s)**	9-12
Course Description	The Concert band is open to 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 required concert performances. *Students can take this course in BOTH semesters		
Prerequisite(s)	None		

GS Chorus – MUS510			
Credits	0.5	**Grade(s)**	9-12
Course Description	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 required concert towards the end of the course and possibly some field trips. *Students can take this course in BOTH semesters		
Prerequisite(s)	None		

Senior Choir - MUS511			
Credits	0.5	**Grade(s)**	11-12
Course Description	Senior Choir 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 techniques, music literacy skills, and a sense of ensemble. Students will work to prepare challenging music for a required concert that will be performed one evening towards the end of the course along with possibly some field trips. *Students can take this course in BOTH semesters		
Prerequisite(s)	One semester of GS Chorus. Completed Choir Director recommendation form		

Introduction to Music Theory - MUS512			
Credits	0.5	**Grade(s)**	9-12
Course Description	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.		
Prerequisite(s)	None		

AP Music Theory - MUS513			
Credits	1	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	Introduction to Music Theory		

[PILOT] – Dance Styles and Techniques - MUS520			
Credits	0.5	**Grade(s)**	9-12
Course Description	Dance Styles and Techniques offers the opportunity to get up and move through technical instruction and creative expression. Explore a wide variety of dance genres and forms including but not limited to jazz, hip hop, contemporary, tap, ballet, commercial and cultural dances. Students will develop their dance technique, performance skills, and understanding of the cultural and historical contexts behind each style. Students will be encouraged to explore their own creativity while gaining a deeper understanding of how different styles have influenced and shaped the world of dance. The course includes both individual and group activities, culminating in a final performance project.		
Prerequisite(s)	None		

[PILOT] – The Evolution of Music - MUS530			
Credits	0.5	**Grade(s)**	9-12
Course Description	In this course students will engage with music by listening to and analyzing music from a wide range of genres, exploring historical contexts, key artists, and defining characteristics that make each genre unique. The class will include opportunities for group discussions, creative projects, and presentations that allow students to express their own musical interests and share their knowledge with peers.		
Prerequisite(s)	None		

PHYSICAL EDUCATION AND HEALTH

Health Education - HPE800			
Credits	0.5	**Grade(s)**	9-12
Course Description	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. **State Requirement**		
Prerequisite(s)	None		

Physical Education - HPE810			
Credits	0.5	**Grade(s)**	9-12
Course Description	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. **State Requirement**		
Prerequisite(s)	None		

Team Sports - HPE820			
Credits	0.5	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	None		

Fitness for Life – HPE821			
Credits	0.5	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	None		

SCIENCE

Earth and Space Science - SCI300			
Credits	0.5	**Grade(s)**	9
Course Description	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.		
Prerequisite(s)	None		

Environment and Ecology - SCI301			
Credits	0.5	**Grade(s)**	9
Course Description	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.		
Prerequisite(s)	None		

Biology - SCI309			
Credits	1	**Grade(s)**	10
Course Description	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.		
Prerequisite(s)	Earth and Space/Environment and Ecology		

Honors Biology - SCI311			
Credits	1	**Grade(s)**	9-10
Course Description	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.		
Prerequisite(s)	Teacher Recommendation		

Plant and Animal Biology - SCI310			
Credits	0.5	**Grade(s)**	11-12
Course Description	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. **College in High School Course**		
Prerequisite(s)	Biology or Honors Biology		

AP Biology - SCI313			
Credits	1.5	**Grade(s)**	11-12
Course Description	AP Biology is an advanced, college-preparatory course designed to deepen students' understanding of biological concepts and prepare them for the AP Biology exam. This rigorous course covers the core areas of biology including cell biology, genetics, evolution, and ecology, with an emphasis on scientific inquiry, critical thinking, and laboratory skills. Throughout the course, students will explore topics such as cellular structure and function, DNA replication, Mendelian and molecular genetics, the mechanisms of evolution, the diversity of life, and ecological interactions. The curriculum emphasizes not only the factual knowledge needed to succeed on the AP exam but also the scientific processes behind biological discoveries and the methods used in modern research. Hands-on lab experiments and data analysis are integral to the course, helping students develop practical skills in scientific investigation, observation, and analysis. By the end of the course, students will have a thorough understanding of biology at a molecular, organismal, and ecological level, and will be well-prepared to take the AP Biology exam for potential college credit. Key Topics include: The Chemistry of Life, Cellular Processes: Energy and Communication, Heredity and Genetics, Evolutionary Biology, Ecology and Environmental Science **College in High School Course*This course will be offered 1 period in Fall and Block in Spring***		
Prerequisite(s)	Biology or Honors Biology		

Anatomy and Physiology - SCI360			
Credits	1	**Grade(s)**	11-12
Course Description	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. **College in High School Course**		
Prerequisite(s)	Biology or Honors Biology		

Biotechnology - SCI314			
Credits	1	**Grade(s)**	11-12
Course Description	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).		
Prerequisite(s)	Biology or Honors Bio		

[PILOT] - Epidemiology and Public Health - SCI342			
Credits	0.5	**Grade(s)**	11-12
Course Description	Step into the world of disease detectives! In this course, you'll learn how epidemiologists track outbreaks, control disease spread and protect public health. Through hands-on projects and case studies, you'll explore infectious diseases like Ebola and COVID-19, as well as chronic conditions like heart disease. You'll also dive into the factors that influence public health and discover how public health interventions are designed to prevent disease and improve health outcomes. Whether it's investigating foodborne illnesses or studying the impacts of pollution on respiratory health, you'll gain the skills to analyze, prevent, and manage health concerns that affect us all.		
Prerequisite(s)	Biology or Honors Bio		

[PILOT] - Sustainable Design and Technology – SCI341			
Credits	0.5	**Grade(s)**	11-12
Course Description	This course offers students an opportunity to explore sustainable design and technology solutions that address environmental challenges. Through project-based learning, students will discover how principles of sustainability can be applied to fields like architecture, energy systems, transportation, and food and water systems. Students will engage in real-world problem solving, learning how to design and prototype a passive solar energy building designed to reduce energy consumption and promote environmental health.		
Prerequisite(s)	None		

Issues in Ecology - SCI380			
Credits	0.5	**Grade(s)**	11-12
Course Description	In this course you will explore both the physical and social aspects of ecology. Topics such as environmental worldviews, species interactions, and natural resources will be covered at local and global levels. You can expect to engage with the content of this course through research methods and projects. You will also deep dive into local ecosystems, exploring the ecology of Pennsylvania through outdoor outings and labs. If you want to explore the world around you and learn how to make a positive impact, this course is for you! **College in High School Course**		
Prerequisite(s)	Biology or Honors Bio		

[PILOT] - AP Environmental Science - SCI381			
Credits	1	**Grade(s)**	11-12
Course Description	AP Environmental Science is designed to be equivalent to a one-semester introductory level college course. This course offers students a unique chance to explore the natural world and the science that shapes it. This interdisciplinary course covers a variety of topics from biology, geology, chemistry, and geography and is built around hands-on activities and problem-solving. Through case studies, labs, fieldwork, and data analysis, students will dive into real-world environmental challenges, exploring topics like ecosystems and biodiversity, population dynamics, earth systems, resource use, energy sources, pollution, and global change. In each unit, students will identify and analyze both natural and human-made environmental issues, assess the risks involved, and evaluate alternative solutions to help solve and prevent these challenges. **College in High School Course**		
Prerequisite(s)	Biology/Honors Biology or Chemistry/Honors Chemistry		

Chemistry - SCI318			
Credits	1	**Grade(s)**	10-12
Course Description	This course is highly recommended for all college-bound students. It is an academic course chiefly concerned with mathematics and the 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.		
Prerequisite(s)	Algebra I		

Honors Chemistry -SCI321			
Credits	1	**Grade(s)**	10-12
Course Description	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 on understanding advanced chemistry topics and their relationship to science related processes. **College in High School Course**		
Prerequisite(s)	Biology/Honors Biology or taken concurrently. Geometry		

Physical Science - SCI317			
Credits	0.5	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	None		

Forensic Science - SCI370			
Credits	0.5	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	None		

AP Chemistry - SCI322			
Credits	1	**Grade(s)**	11-12
Course Description	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. **College in High School Course**		
Prerequisite(s)	Honors Chemistry		

Organic Chemistry - SCI323			
Credits	0.5	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	Biology/Honors Biology and Chemistry/Honors Chemistry		

Science of Change: Data, Engineering, and Design - SCI390			
Credits	0.5	**Grade(s)**	11-12
Course Description	This course empowers students to become proactive problem-solvers by combining data science with altruistic engineering. Through data gathering, experimentation, and analysis, students will work to understand a community-based or global issue of their choice. In the second half of the course, they will design, test, and propose actionable solutions aimed at creating positive social impact. This class promotes critical thinking, resilience, and empathy, while providing students with the technical skills to make data-driven decisions.		
Prerequisite(s)	Algebra I		

Physics - SCI340			
Credits	1	**Grade(s)**	10-12
Course Description	Physics is not just a subject for those interested in becoming scientists or engineers. Deepen your understanding of how the world operates as you learn to think, explore, and innovate. As you progress through this course, you will construct an understanding of motion, forces, energy, and electricity. Through observations and problem-solving, you'll gain insights that can be applied to real-world challenges, including engineering projects like water-bottle rockets, egg drop devices, and marble roller coasters.		
Prerequisite(s)	None		

AP Physics I - SCI331			
Credits	1	**Grade(s)**	10-12
Course Description	AP Physics 1 is a hands-on, college-level course where you'll explore how the universe works through experiments and engaging concepts. You'll dive into kinematics to understand movement and its causes, dynamics to learn about the forces behind motion, and circular motion and gravitation to explore the orbits of objects, from roller coasters to planets. The course also covers energy and momentum, revealing the forces behind motion and impacts, as well as simple harmonic motion, which includes the science of swings, springs, and sound. You'll explore torque and rotational motion to see what makes things spin and study fluids to uncover the hidden physics of water and air. AP Physics 1 is perfect for anyone curious about the physical world and eager to sharpen their problem-solving skills! **College in High School Course**		
Prerequisite(s)	None		

AP Physics II - SCI332			
Credits	1	**Grade(s)**	10-12
Course Description	Take your physics knowledge further with AP Physics 2! This hands-on course explores exciting topics like electricity and magnetism, optics, thermodynamics, and quantum physics. You'll learn how electric forces power the world, discover the science of light and lenses, and study heat, energy flow, and atomic particles. AP Physics 2 is perfect for those curious about the world and eager to see how physics shapes everyday life and technology! **College in High School Course**		
Prerequisite(s)	AP Physics I or Physics		

Astrophysics and Astronomy - SCI346			
Credits	0.5	**Grade(s)**	10-12
Course Description	Ready to explore the universe? Welcome to Astrophysics and Astronomy! In this course, you'll apply the basics of physics to the wonders of space, learning how stars, planets, and galaxies function and uncovering some of the cosmos's most fascinating mysteries. You'll study stars and constellations to understand how stars are born, live, and die. You'll examine the motion of the night sky, observing the movements of moons, planets, and stars. You'll also explore galaxies and exotic space phenomena, diving into concepts like black holes, quasars, and pulsars. Finally, you'll investigate the mysteries of the universe, learning about extrasolar planets, dark matter, dark energy, and even curved space-time. If you've ever wondered what's beyond the stars or wanted to understand the strange forces shaping our universe, this course is for you. Get ready for a journey through space that's out of this world!		
Prerequisite(s)	AP Physics 1, Physics I, or Physical Science		

Honors Modern Physics - SCI334			
Credits	1	**Grade(s)**	10-12
Course Description	Take your physics knowledge to the next level with Honors Modern Physics! If you've enjoyed physics and want to go beyond the basics, this course is for you. It's ideal for students planning careers in physics, engineering, nuclear medicine, or any field that relies on science and technology, as it dives deep into cutting-edge topics and builds on foundational knowledge. In this class, you'll study radiation and nuclear physics, exploring nuclear reactions, types of radiation, and their applications in energy and medicine. You'll delve into fundamental particles, examining elementary particles and the forces that govern their interactions. Special and general relativity will introduce you to Einstein's transformative theories, reshaping how we understand space and time. You'll also learn about nanotechnology, the science of manipulating matter on an incredibly small scale, which is driving technological innovations. Through projects, collaboration, and presentations, you'll actively engage with these topics, and independent reading and research will further deepen your understanding. This course is perfect for curious minds eager to explore the science shaping the future!		
Prerequisite(s)	AP Physics I or Physics		

Engineering Internship -Kennametal- SCI335			
Credits	1	**Grade(s)**	12
Course Description	Are you ready to get hands-on with real-world technology and engineering? This unique, semester-long program offers an inside look at high-tech engineering, partnering directly with industry experts from Kennametal. You'll attend ten afternoon sessions at the Kennametal Technology Center in Latrobe and/or Saint Vincent College, along with exclusive behind-the-scenes access to one of Kennametal's manufacturing facilities. Each session covers fascinating topics such as the realities of tech and engineering careers, stories of engineering breakthroughs (and the epic failures behind them), and essential skills like problem-solving, creative innovation, design thinking, engineering economics, and ethical issues. In this course, you'll design and launch your own rocket and tackle a group engineering challenge to test your skills. Along with project work, you'll build career-ready skills, such as resume writing and practice interviews, to prepare for the future. This program is ideal for students with a strong background in math and science and a passion for discovery. Space is limited, so if you're interested, don't miss out—talk to Mrs. Harper for an application today! Designed to be challenging, engaging, and rewarding, this program is perfect for students ready to advance their STEM skills to the next level. **College in High School Course**		
Prerequisite(s)	Teacher Recommendation / Approval of Course Instructor		

SOCIAL STUDIES

American History - SOC400			
Credits	1	**Grade(s)**	9
Course Description	This course explores the political, social and economic developments of the United States from the origins of the Cold War to the present day. Beginning with the ideological tensions between the U.S. and the Soviet Union in the aftermath of World War II, students will examine key events such as the Korean and Vietnam Wars, the Cuban Missile Crisis, the Civil Rights Movement, and the shifting domestic landscape of the late 20th century. The course will also cover the end of the Cold War, the rise of globalization, the War on Terror, and contemporary challenges facing the nation. Through primary and secondary sources, discussions, and critical analysis, students will gain a deeper understanding of how historical forces have shaped modern America's role in the world. **Required for 9th Grade**		
Prerequisite(s)	None		

US Government and Politics - SOC410			
Credits	1	**Grade(s)**	10
Course Description	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. **Required for 10th Grade**		
Prerequisite(s)	American History		

AP American History - SOC401			
Credits	1	**Grade(s)**	9-12
Course Description	In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places. 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 college introductory courses. **College in High School Course.**		
Prerequisite(s)	Teacher recommendation for 9th grade students		

International Studies - SOC420			
Credits	1	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	None		

Law - SOC431			
Credits	0.5	**Grade(s)**	11-12
Course Description	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 individual rights, crimes, criminal procedure, and trial. By completing this course, the student should have a practical knowledge of the laws affecting everyday life.		
Prerequisite(s)	None		

Hybrid Law - SOC432			
Credits	0.5	**Grade(s)**	12
Course Description	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 individual rights, crimes, criminal procedure, and trial. By completing this course, the student should have a practical knowledge of the laws affecting everyday life. ***This course is partly completed independently, as students typically can complete the course online two days per week rather than attend class. It will be scheduled either during 1st or 7th period, meaning students need to have their own transportation to or from school. Only students who will be responsible in completing the out of class lessons should schedule this course.***		
Prerequisite(s)	None		

Economics - SOC433			
Credits	0.5	**Grade(s)**	11-12
Course Description	Explore the dynamic world of economics with this introductory course designed to bridge theory and real-world application. Discover key concepts such as consumption, production, and the circular flow of economic activity. Understand the principles of free enterprise and the various forms of business organizations. Learn the fundamentals of investments and grasp the intricacies of supply and demand. This course provides a practical foundation in applied economics, equipping you with the knowledge to analyze and navigate the economic forces that shape our everyday lives.		
Prerequisite(s)	None		

Hybrid Economics - SOC434			
Credits	0.5	**Grade(s)**	12
Course Description	Explore the dynamic world of economics with this introductory course designed to bridge theory and real-world application. Discover key concepts such as consumption, production, and the circular flow of economic activity. Understand the principles of free enterprise and the various forms of business organizations. Learn the fundamentals of investments and grasp the intricacies of supply and demand. This course provides a practical foundation in applied economics, equipping you with the knowledge to analyze and navigate the economic forces that shape our everyday lives. ***This course is partly completed independently, as students typically can complete the course online two days per week rather than attend class. It will be scheduled either during 1st or 7th period, meaning students need to have their own transportation to or from school. Only students who will be responsible in completing the out of class lessons should schedule this course.***		
Prerequisite(s)	None		

Introduction to Psychology - SOC440			
Credits	0.5	**Grade(s)**	10-12
Course Description	Intro to Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will learn the scientific foundations and methods of the science, anatomy and physiology of the brain and sense organs, key rules of perception, and consciousness.		
Prerequisite(s)	None		

AP Psychology - SOC441			
Credits	1	**Grade(s)**	11-12
Course Description	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. **College in High School Course.**		
Prerequisite(s)	None		

History Through Modern Media - SOC450			
Credits	0.5	**Grade(s)**	9-12
Course Description	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.		
Prerequisite(s)	None		

Holocaust - SOC451			
Credits	0.5	**Grade(s)**	9-12
Course Description	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.		
Prerequisite(s)	None		

[PILOT] - Current Events - SOC452			
Credits	0.5	**Grade(s)**	9-12
Course Description	Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, government and conflict. This course uses online media and newscasts to support class discussion. Additionally, students participate in group projects, presentations and work with primary source materials and opinion pieces in order to better understand the world around them.		
Prerequisite(s)	None		

[PILOT] - Pennsylvania History - SOC453			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course traces Pennsylvania's political, social, and economic development from its founding through the present day. Pennsylvania's rich heritage will be studied and analyzed to gain insight into the unique role the state has played in shaping American history. Key events, cultural movements, and influential figures within Pennsylvania will be explored to understand their lasting impact on the state and the nation. From signing the Declaration of Independence to the Steel and Coal industry's rise and present day Tech and Healthcare booms, this course will detail Pennsylvania's growth and contributions to American democracy.		
Prerequisite(s)	None		

[PILOT] - Ancient History - SOC454			
Credits	0.5	**Grade(s)**	9-12
Course Description	Travel back in time to explore the origins of human civilization. From the rise of early societies in India and Mesopotamia to the grandeur of ancient Egypt, Greece and Rome, students will examine the key events, cultures and figures that shaped the world as we know it today. We will explore the fascinating stories of powerful empires, groundbreaking innovations, and architectural achievements that are still viewed as wonders even today. Whether it is studying ancient military campaigns, analyzing the impact of early philosophies and beliefs, or debating the influence of ancient rules, this course offers an adventure through history's greatest civilizations whose legacies became the foundations of modern society.		
Prerequisite(s)	None		

[PILOT] - History and Analysis of Rock and Roll - SOC455			
Credits	0.5	**Grade(s)**	9-12
Course Description	This course offers an in-depth exploration of rock 'n' roll, tracing its roots, cultural significance, advancements and evolution over the decades. Students will analyze influential artists, musical movements, and technological advancements which changed the sound of music. Additionally, students will discover how rock music has responded to and helped drive societal change. Through listening and lyrical analysis and additional class activities, students will gain a comprehensive understanding of rock's sound and musical structures, cultural impacts, and lasting legacy.		
Prerequisite(s)	None		

TECHNOLOGY EDUCATION

Technology and Engineering Lab – TEC801			
Credits	0.5	**Grade(s)**	9-12
Course Description	In this introductory Technology and Engineering Lab course, you'll dive into hands-on learning, building core skills by working with tools, machines, and materials. From day one, you'll be actively engaged in projects that teach you to safely and effectively use equipment to bring your designs to life. You'll apply creativity and problem-solving to build and refine projects with real-world applications. Through engaging, team-based projects, you'll develop valuable skills to help you succeed in future technology and engineering challenges. Example projects: Wooden Name Sign, Mouse Trap Car.		
Prerequisite(s)	None		

Advanced Technology and Engineering Lab – TEC802			
Credits	0.5	**Grade(s)**	10-12
Course Description	In the Advanced Technology & Engineering Lab course, you'll build on what you already know in technology and engineering with hands-on projects that challenge you to grow your skills. You'll take on complex, real-world problems and use tools and machines to create high-quality woodworking projects and engineered solutions. Focusing on making and engineering, you'll work with different tools and processes to design practical solutions for real needs. As you tackle advanced projects, you'll strengthen your problem-solving, teamwork, and communication skills. Example Projects: Pumpkin Drop, Catapult, Adirondack Chair.		
Prerequisite(s)	"C" or better in Tech. & Eng. Lab		

The Maker Class - TEC610			
Credits	0.5	**Grade(s)**	11-12
Course Description	If you can imagine it, you can make it! In this hands-on Maker Class, you'll use your creativity to design and build projects not only for yourself but also for your school and community. You'll learn the process of designing, making, and refining products, whether it's creating practical items to solve everyday problems or projects that benefit others. Throughout the course, you'll also develop proposals to pitch your ideas and build a portfolio to showcase your work. The class blends traditional craftsmanship with modern technology, equipping you with the skills to bring your designs to life using a variety of tools and techniques.		
Prerequisite(s)	"C" or better in ADV Tech. & Eng. Lab or Teacher Recommendation		

Photography - TEC650			
Credits	0.5	**Grade(s)**	9-12
Course Description	Photography 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.		
Prerequisite(s)	None		

Animation – TEC660			
Credits	0.5	**Grade(s)**	9-12
Course Description	Animation 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.		
Prerequisite(s)	None		

Introduction to CAD (Computer Assisted Design) - TEC620			
Credits	0.5	**Grade(s)**	9-12
Course Description	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.		
Prerequisite(s)	None		

CAD Mechanical Design - TEC621			
Credits	0.5	**Grade(s)**	10-12
Course Description	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. **College in High School Course.**		
Prerequisite(s)	Intro to CAD-C or better or Teacher recommendation		

CAD Architectural Design - TEC622			
Credits	0.5	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	Intro to CAD-C or better or Teacher recommendation		

Introduction to Robotics - TEC630			
Credits	0.5	**Grade(s)**	9-12
Course Description	Intro to Robotics introduces students to the world of robotics using VEX robots, providing a hands-on foundation in building, programming, and testing robots. The course focuses on developing the essential skills needed for success in the Competitive Robotics course, including problem-solving, teamwork, robot mechanics, and programming. By working with VEX robots and engaging in practical activities, students will gain the hands-on experience and technical knowledge necessary to excel in more advanced robotics challenges.		
Prerequisite(s)	None		

[PILOT] - Combat Robotics - TEC631			
Credits	1	**Grade(s)**	10-12
Course Description	Combat Robotics is a course designed for students to experience Engineering, Designing, Machining and Creating a Combat Style Robot. The course will be broken down into sections for students to gain the skills and experiences necessary to participate in the BotsIQ Combat Robotics competition. This will include tool safety, machine skills, CADD skills, Electronic Wiring, Remote Programming and develop Organizational-Leadership skills. Required parts of the course are touring a local manufacturing site, meeting with our Industry Advisor and travelling to the Preliminary Competition and the Finals Competition for BotsIQ. Combat Robotics is a full year course concluding with the regional finals competition at PennWest California.		
Prerequisite(s)	Open to students who have earned a B or better in one of the following pre-requisite courses : Introduction to Robotics, Introduction to CAD or Teacher recommendation		

Drone Operator - TEC670			
Credits	0.5	**Grade(s)**	11-12
Course Description	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 ready to take the FAA Part 107 Flight Certification test upon successful course completion.		
Prerequisite(s)	Must be 16 years of age for certification test		

Graphic Design - TEC680			
Credits	0.5	**Grade(s)**	10-12
Course Description	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 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.		
Prerequisite(s)	None		

Introduction to Video Productions - TEC640			
Credits	0.5	**Grade(s)**	9-12
Course Description	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 reports for the student news show is part of the course and based on a Journalistic style of news program. Activities will include writing/filming and editing independent videos for upload to our YouTube channel. 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), mobile and PC are some of the delivery formats. If you enjoy creating or are curious about how video works, take this course.		
Prerequisite(s)	None		

[PILOT] - Advanced Video Production - TEC641			
Credits	1	**Grade(s)**	10-12
Course Description	In this course students will create advanced content in Video Production. A core part of this course will be the DMAC competition at Robert Morris University, creating entries to various contests and creating Short Film style videos. Students will learn film making techniques/style conventions and special effects that will enhance and refine their video producing skills. Other activities will include writing/filming and editing independent videos for local and national competitions. Students will be responsible for creating content that will be uploaded to our school YouTube channel.		
Prerequisite(s)	Introduction to Video Production		

WORLD LANGUAGES

All courses (unless otherwise noted) are conducted in the target language (French or Spanish). Oral and written communication and class participation are major components of the courses. Students are to understand that all upper-level courses are taught on a revolving curriculum to not repeat content and vocabulary. Students may take successive courses in the same year. Grammatical topics will be reviewed in all courses to allow time to begin to perfect these skills. Every student in every level will take the AAPPL exam (Assessment of Performance toward Proficiency in Languages) at the end of the course. Targeted proficiency levels by the end of course are based on the ACTFL recommendations (American Council on the Teaching of Foreign Languages).

French 1- WRL900			
Credits	1	**Grade(s)**	9-12
Course Description	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 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.		
Prerequisite(s)	None		
Targeted Proficiency by Course End	Novice Mid		

Spanish 1 - WRL910			
Credits	1	**Grade(s)**	9-12
Course Description	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 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.		
Prerequisite(s)	None		
Targeted Proficiency by Course End	Novice Mid		

French II- WRL901			
Credits	1	**Grade(s)**	9-12
Course Description	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 using technology and music. Multimedia aids are utilized daily to increase student exposure to native speakers and students are required to converse in French 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.		
Prerequisite(s)	"C" or better in French I		
Targeted Proficiency by Course End	Novice High		

Spanish II- WRL911			
Credits	1	**Grade(s)**	9-12
Course Description	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 using technology and music. Multimedia aids are utilized daily to increase student exposure to native speakers and students are required to converse in Spanish 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.		
Prerequisite(s)	"C" or better in Spanish I		
Targeted Proficiency by Course End	Novice High		

French III- WRL902			
Credits	1	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	"C" or better in French II		
Targeted Proficiency by Course End	Intermediate Low		

Spanish III - WRL912			
Credits	1	**Grade(s)**	10-12
Course Description	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.		
Prerequisite(s)	"C" or better in Spanish II		
Targeted Proficiency by Course End	Intermediate Low		

Pre-AP French (IV) - WRL903			
Credits	1	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	"C" or better in French III		
Targeted Proficiency by Course End	Intermediate Mid		

Pre-AP Spanish (IV) - WRL913			
Credits	1	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	"C" or better in Spanish III		
Targeted Proficiency by Course End	Intermediate Mid		

AP French (V) - WRL904			
Credits	1	**Grade(s)**	11-12
Course Description	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 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.		
Prerequisite(s)	"B" or better in Pre-AP French		
Targeted Proficiency by Course End	Intermediate High		

AP Spanish (V) - WRL914			
Credits	1	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	"B" or better in Pre-AP Spanish		
Targeted Proficiency by Course End	Intermediate High		

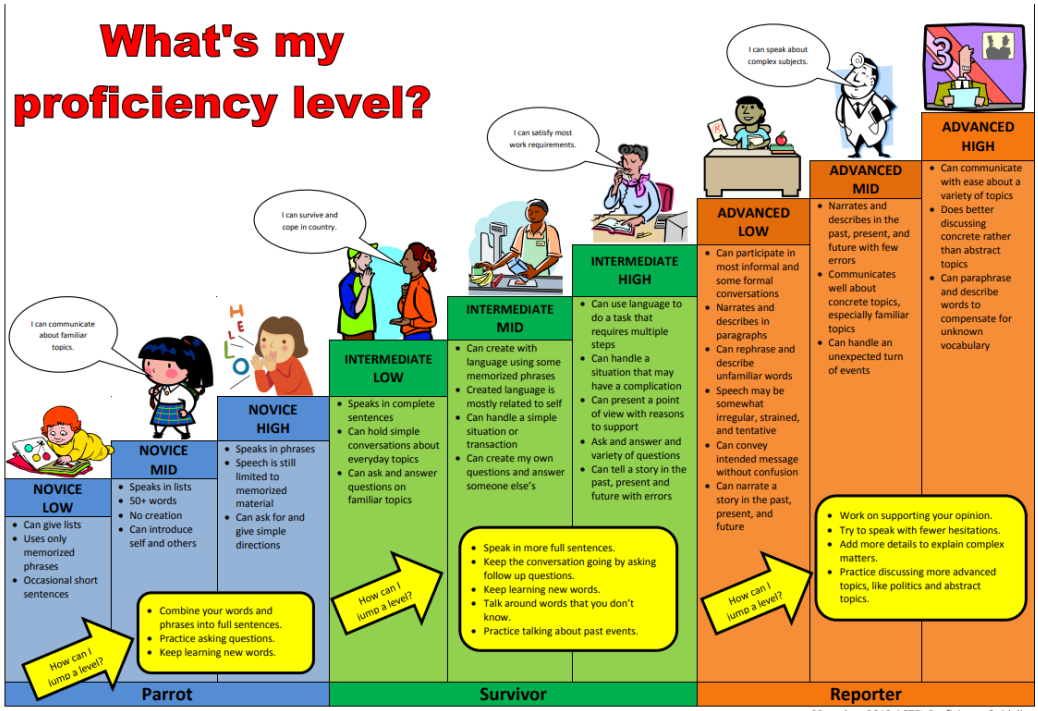
French VI - WRL905			
Credits	1	**Grade(s)**	11-12
Course Description	This course is designed for students who have previously completed all other levels of French and would like to deepen their knowledge and usage of the French language and culture. There is flexibility in course content in order to 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.		
Prerequisite(s)	"B" or better in AP French		
Targeted Proficiency by Course End	Advanced Low		

Spanish VI - WRL91			
Credits	1	**Grade(s)**	11-12
Course Description	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.		
Prerequisite(s)	"B" or better in AP Spanish		
Targeted Proficiency by Course End	Advanced Low		

FLES - WRL920			
Credits	1	**Grade(s)**	11-12
Course Description	Students will have the opportunity to develop and teach lessons which introduce District elementary students to French and/or Spanish and their respective cultures. Time will be spent discussing second language acquisition theory and teaching methodology in the context of a world language. **Personal transportation is helpful, but NOT a requirement**		
Prerequisite(s)	Previous experience with Foreign Language courses		

*Food and Culture of the Spanish World - *Course will be taught in ENGLISH - WRL930*			
Credits	0.5	**Grade(s)**	9-12
Course Description	Take a "trip" around the Spanish-speaking world and get a "taste" of the culture and cuisine of each region. Students will explore Spain, Mexico, Central America, the Caribbean, and South America. In each region, students will study some of its most prominent culture and cuisine through the 3 Ps (Products, Practices, and Perspectives) of a Culture. Food will be explored as a product; the blending of indigenous, African, European, and other cultural influences.		
Prerequisite(s)	None		

*Food and Culture of the French World * Course will be taught in ENGLISH - WRL931*			
Credits	0.5	**Grade(s)**	9-12
Course Description	Take a "trip" around the French speaking world and get a "taste" of the culture and cuisine of each region. Students will explore the different regions of France, Quebec, French-speaking Africa, and much more. In each region, students will study some of its most prominent culture and cuisine through the 3 Ps (Products, Practices, and Perspectives) of a Culture. Cultural topics may include norms, language, festivals, rituals, holidays, pastimes, food, architecture, art and artists, and traditions.		
Prerequisite(s)	None		



*Based on 2012 ACTFL Proficiency Guidelines
J. Wardle, Clark County School District

AAPPL
ACTFL ASSESSMENT OF PERFORMANCE TOWARD PROFICIENCY IN LANGUAGES

CAP

Freshmen Seminar - SEM100			
Credits	0.5	**Grade(s)**	9
Course Description	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. **Required for freshmen.**		
Prerequisite(s)	None		

Financial Literacy - BUS670			
Credits	0.5	**Grade(s)**	10-12
Course Description	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! **Required**		
Prerequisite(s)	None		

SENIOR OPTIONS

Community Service Program – CSV100/CSV200			
Credits	0.5	**Grade(s)**	12
Course Description	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.		
Prerequisite(s)	None		

Work Experience Program – WEX100/WEX200			
Credits	1-4	**Grade(s)**	12
Course Description	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.		
Prerequisite(s)	None		

Dual Enrollment – DEN100/DEN200			
Credits	N/A	**Grade(s)**	12
Course Description	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 demining GPA. Those students who are approved for this option will accept responsibility for their own transportation and costs.		
Prerequisite(s)	None		

Pre-Apprenticeship - APP100 - Pre-Apprenticeship CO-OP - APP200			
Credits	1	**Grade(s)**	12
Course Description	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.		
Prerequisite(s)	None		

PLT Personalized Learning Time - PLT100			
Credits	1	**Grade(s)**	12
Course Description	Personalized Learning Time (PLT) is a flexible and student-centered course designed to support individualized learning pathways for high school students. This course provides dedicated time for students to focus on their academic needs, explore interests, and strengthen skills at their own pace. Whether reinforcing core subjects, working on advanced projects, or pursuing independent learning goals, PLT encourages students to take ownership of their educational journey. During PLT, students will have the opportunity to engage in activities such as: Exploration and enrichment: Work on passion projects, participate in research, complete college level courses, continue work on the senior project or dive into elective areas of interest like coding, the arts, or global studies. Goal setting and reflection: Set short-term and long-term learning goals, track progress, and receive feedback from teachers to build personal growth. PLT fosters a supportive learning environment that encourages self-directed learning, problem-solving, and critical thinking. This time also allows students to collaborate with peers and engage in meaningful discussions, enhancing their communication and teamwork skills. Ultimately, Personalized Learning Time prepares students for success by offering a tailored educational experience that meets their unique needs and aspirations.		
Prerequisite(s)	None		