

CENTRAL CAMBRIA HIGH SCHOOL
COURSE CATALOG & PROGRAM OF STUDIES
2020-21



CLASS OF 2024

Central Cambria High School

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Ebensburg, PA 15931
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The mission of the Central Cambria School District is to accept, hear and value all in the school community and to provide a safe environment that fosters achievement and success.

Prepared under the direction of:

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High School Principal

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Assistant Superintendent

Andrew Paronish
Assistant Principal

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High School Guidance Counselors

Kenneth Krott
Director of Technology

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K-12 Assistant Principal

EEO and Title IX Statement

Central Cambria School District does not discriminate in its educational programs, activities or employment practices based on race, color, national origin, sex, sexual orientation, disability, age, religion, ancestry, genetic information or any other legally-protected category. Announcement of this policy is in accordance with State Law including the Pennsylvania Human Relations Act and with Federal law, including Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination in Employment Act of 1967 and the Americans with Disabilities Act of 1990.

For more information, please contact:

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PURPOSE OF THE COURSE CATALOG

The Central Cambria High School Course Catalog is a comprehensive document outlining information related to the course offerings, course sequences, and related course scheduling requirements and policies for high school students. It is an informational tool for students and parents to aid in the scheduling process. Publication of the Course Catalog fulfills the requirements of Central Cambria School District Board Policy #217:

“The Board requires graduation requirements to be published and distributed to students and parents/guardians, and made available in each school building or on the district's website. All changes to graduation requirements shall be published and distributed to students and parents/guardians, and made available in each school building or on the district's website immediately following approval by the Board.”

The course catalog was approved by the CCSO Board of School Directors on January 13, 2020. We encourage parents/guardians to review this information with students, and contact us with any questions at any point in the scheduling process. We are here to help you have a great educational experience during your four years at Central Cambria High School!

2020-21 SCHEDULING TIMELINE

January 21-27, 2020	Teachers enter core course recommendations in Skyward and discuss recommendations with students.
January 28	Parent Information Night for Scheduling - Auditorium - 6:00 p.m.
January 30 - February 7	Parents may email / contact teachers with questions regarding course recommendations. Students enter course requests through Skyward.
February 10 - 21	Guidance counselors meet with all students in English Language Arts classes to review course requests in Skyward and other scheduling information.
March 16	Final course selections made available to parents/guardians through Skyward.
March 31	Deadline to request changes to course registration requests before individual student schedules are prepared.
May 29	Student schedules are completed in Skyward
June 15	Student tentative schedules are viewable by students through Skyward for 48 hours
June 30	Deadline for requesting schedule changes for limited reasons
First Day of School	Final student schedules are posted and viewable through Skyward

Student schedules are subject to change at any time due to staffing and program changes

Information contained within the Course Catalog is accurate at the time of publication, but is subject to change based on exigent circumstances. Any revisions will be made available to students and parents.

CENTRAL CAMBRIA HIGH SCHOOL MINIMUM GRADUATION REQUIREMENTS

SUBJECT	CLASS OF 2024
ENGLISH LANGUAGE ARTS	5 CREDITS
SOCIAL STUDIES	3 CREDITS
MATH	3 CREDITS
SCIENCE	3.5 CREDITS
MATH/SOCIAL STUDIES/SCIENCE	1 ADDITIONAL CREDIT IN ONE OF THESE AREAS
HEALTH / PHYSICAL EDUCATION	1 CREDIT
ELECTIVES	8.5 CREDITS
TOTAL	25 CREDITS

In addition to passing the required credits as indicated above, students must also fulfill the following requirements for graduation from CCHS:

- Students must successfully complete and present an approved Capstone Project.
- Students must achieve proficiency on the required Pennsylvania Keystone Exams and/or alternate assessments as prescribed under Act 158 of 2018.
- Courses taken prior to grade 9 do not count toward graduation requirements, GPA, or class rank

SCHEDULING REQUIREMENTS FOR STUDENTS

- Students must schedule a minimum of 7.0 credits each year.
- There are eight (8) instructional periods at the High School. Students are encouraged to take advantage of the many and varied elective courses offered by the District. Students may not schedule more than the equivalent of one period of full year/full time study hall during the school year.

NCAA COURSE OF STUDY FOR STUDENT-ATHLETES

Parents and students should understand that if a student envisions playing intercollegiate athletics at either the Division I or II level, the student must begin as a freshman to pursue an NCAA accepted course of study. If you are interested in competing at the collegiate level, please set up a meeting with your guidance counselor to guide you through the process of earning the required credits for NCAA eligibility. The guidance office annually updates the CCHS list of NCAA-approved courses from our course catalog (Appendix A). It is the student's responsibility to review this information with their guidance counselor to ensure NCAA compliance. Students will need to meet academic rules in order to receive athletics aid (scholarships), practice, or compete during their first year. Students may be considered either a Full Qualifier, Academic Redshirt, or a Nonqualifier. Please visit www.eligabilitycenter.org for more details. Additionally, see Appendix A for additional information

SCHEDULE CHANGE POLICY

All students have an opportunity in the spring of each year to select courses appropriate to their needs. Students are also permitted to adjust their course selections prior to March 31, 2020. Following this date, all course selections will be considered final, and schedule change requests will only be considered for the following reasons:

1. Mechanical error. Example: Course left off schedule.
2. Level changes. Example: Recommended and scheduled for Advanced Placement Language & Composition but unable to handle the course; needs to be rescheduled into Composition & Literature III if seats are available in the class. Level changes can only occur within the first 45 days of school. After day 45, level changes will not be permitted.
3. Schedule a course to meet graduation requirement. Example: Failed required course and must drop elective or study hall to schedule a make-up course.
4. Fill study hall. Example: Replace study hall with an elective course without adjusting any other parts of schedule and if seats are available in the class and within first five school days.
5. Change of an elective course: Replace an elective course with an alternate elective course without adjusting any other parts of schedule and if seats are available in the class. Request must be made within first ten school days.

COURSE WITHDRAWAL POLICY

If a student wishes to Withdraw from a course, the student will complete the “**Course Withdrawal Request Form**” that includes reason for the withdrawal, parent, student, and current teacher’s signature. Completed forms will then be submitted to the Guidance Office to be reviewed by the Scheduling Committee.

The Scheduling Committee will meet to evaluate and process the request accordingly.

- The Scheduling Committee may require the students to continue in the assigned course.
 - The Scheduling Committee and the student will develop a student improvement plan that may require additional supports and extended learning time.
 - The Scheduling Committee may facilitate the withdrawal procedures.
 - The Scheduling Committee will determine the grades earned and the credits awarded.
- Withdraws from a class may result in one of the following:
- “WF” “Withdraw Failing” - After the 45th school day
 - “W” “Course Withdraw” - Before the 45th school day
- The Scheduling Committee will evaluate extenuating circumstances to determine relevance pertaining to withdrawal requests. All withdrawals will appear on the student transcript.
 - Partial credit will not be awarded for courses that are not completed.
 - “WF” Withdraw Failing will be reported as a 69% and counted toward the student’s GPA.

EARLY GRADUATION POLICY

The fourth year of high school shall not be required for graduation if a student has completed all requirements for graduation and attends a postsecondary institution as a full-time student. If a student wishes to pursue this option, it is advised that they meet with their guidance counselor to plan prior to their sophomore year.

COURSE ACCELERATION POLICY

Please see the ESOP program description for details on course acceleration.

CENTRAL CAMBRIA HIGH SCHOOL EXAMPLE COURSE SEQUENCE

Central Cambria High School Course Sequences Grade 9 (2024) English Language Arts 1.5 credit Social Studies 1.0 credit Math 1.0 credit OR 1.5 credit Science 1.5 credit Health & Wellness .5 credit Required Courses 5.5 - 6 credits Elective Courses up to 2.5 credits (Must schedule at least 1.5 Elective Course credits)	Central Cambria High School Course Sequences Grade 11 (2022) English Language Arts 1.0 credit Social Studies 1.0 credit Math 1.0 credit Science 1.0 credit Required Courses 4.0 credits Elective Courses up to 4.0 credits (Must schedule at least 3.0 Elective Course credits)
Central Cambria High School Course Sequences Grade 10 (2023) English Language Arts 1.5 credit Social Studies 1.0 credit Math 1.0 credit Science 1.0 credit OR 1.5 credit Required Courses 4.5 - 5 credits Elective Courses up to 3.5 credits (Must schedule at least 2.0 OR 2.5 Elective Course credits)	Central Cambria High School Course Sequences Grade 12 (2021) English Language Arts 1.0 credit Social Studies 1.0 credit OR Math 1.0 credit OR Science 1.0 credit Required Courses 2.0 credits Elective Courses up to 6.0 credits (Must schedule at least 5.0 Elective Course credits)

ADMIRAL PEARY AREA VOCATIONAL-TECHNICAL SCHOOL EXAMPLE COURSE SEQUENCE

Central Cambria High School Course Sequences Grade 9 (2024) English Language Arts 1.5 credit Social Studies 1.0 credit Math 1.0 credit OR 1.5 credit Science 1.5 credit Health & Wellness .5 credit Required Courses 5.5 - 6 credits Elective Courses up to 2.5 credits (Must schedule at least 1.5 Elective Course credits)	Central Cambria High School Course Sequences Grade 11 (2022) English Language Arts 1.0 credit Social Studies 1.0 credit Math 1.0 credit Science 1.0 credit Required Courses 4.0 credits APVTS 4.0 credits
Central Cambria High School Course Sequences Grade 10 (2023) English Language Arts 1.5 credit Math 1.0 credit Science 1 or 1.5 credit OR Social Studies 1.0 credit Required Courses 4.0 credits APVTS 4.0 credits	Central Cambria High School Course Sequences Grade 12 (2021) English Language Arts 1.0 credit Social Studies 1.0 credit OR Math 1.0 credit OR Science 1.0 credit Required Courses 2.0 credits APVTS 4.0 Credits Elective Courses up to 2.0 credits (Must schedule at least 1.0 Elective Course credits)

CENTRAL CAMBRIA HIGH SCHOOL SCHEDULE PLANNING SHEET

Students should use the chart below to plan to meet the required credits for graduation and the elective courses that will help them reach their post-graduation and career goals.				
SUBJECT AREA:	9	10	11	12
ENGLISH LANGUAGE ARTS				
SOCIAL STUDIES				
MATHEMATICS				
SCIENCE				
PHYSICAL EDUCATION / HEALTH				
LUNCH				
ELECTIVE				
ELECTIVE				
ELECTIVE				
ELECTIVE				
TOTAL:				

OPPORTUNITIES TO EARN COLLEGE CREDIT WHILE ENROLLED AT CCHS

Advanced Placement (AP®) Courses

Students may elect to sit for an Advanced Placement (AP®) exam in May of the year they take an AP® course. The student must register for the exam and pay a fee. College credit will be earned based on the student's performance on the AP® exam. Many of our AP® courses may also be dual enrolled.

AP® Computer Science A	AP® Statistics	AP® U.S. Government & Politics
AP® English Literature and Composition	AP® Calculus AB	AP® Psychology
AP® English Language and Composition	AP® Calculus BC	AP® Macroeconomics
AP® United States History	AP® Physics I	AP® Chemistry
AP® Computer Science Principles	AP® European History	AP® Biology
AP® Seminar	AP® Research (2021-22)	AP® Music Theory
AP® Studio Art: 3-D Art & Design	AP® Studio Art: 2-D Art & Design	AP® Studio Art - Drawing

Dual Enrollment Courses

Students may earn college credit through St. Francis University, Mount Aloysius College, Penn Highlands Community College, or Rochester Institute of Technology for a variety of dual-enrolled courses at Central Cambria High School (Appendix B, C & D). The most updated information regarding dual-enrollment is available in our guidance department. Any CCHS course that is dual-enrolled will be weighted at a 1.05 for the classes of 2022, 2023 & 2024. Additional dual-enrollment course agreements may be secured after the course catalog is published, so we encourage students and parents to check with the guidance office for the most updated information throughout the scheduling process. Students are responsible for course registration, payment of fees by the deadlines established by the university/college, and must earn a final average grade of at least 78% to be eligible for the credits. Application fees are required as determined by each higher education institution.

STATEMENT REGARDING AP® AND DUAL-ENROLLED COURSES

Each higher-education institution sets its own policies regarding the acceptance and awarding of credit for Advanced Placement (AP®) and Dual-Enrollment courses. It is the student's responsibility to conduct research into what credits their prospective college or university will or won't accept, and make scheduling decisions accordingly. Additionally, fees, deadlines and procedures for AP® exams and dual-enrollment courses are set by the College Board or by the individual college or university, and are not controlled by Central Cambria High School.

WEIGHTING OF GRADES

Advanced Placement (AP®) course	1.10
Dual Enrolled course:	1.05
All other courses:	1.0

GRADE POINT AVERAGE & CLASS RANK

Grade Point Average is calculated on a 4 point scale where an A=4, B=3, C=2, D=1. GPAs higher than 4.0 can be attained if weighted course credit is earned. Class Rank is calculated using the percentage grades.

COURSE WEIGHTING RUBRIC

COURSE LEVEL	STUDENT RESPONSIBILITY	PDE STANDARDS COVERAGE	HOMEWORK	PROJECTS	TEST PREP TIME EXPECTED
WEIGHT 1.10 ADVANCED PLACEMENT (AP®)	Students will hold primary responsibility for their success in this course. Students must possess independent academic skills. The teacher will present the material and facilitate the student's success.	Course content is planned to meet AP standards. Course content is meant to replicate a college-level course.	Will be assigned in class and used to introduce, review or extend concepts discussed in class	Project(s) will be assigned that require students to work at the upper levels of Webb's Depth of Knowledge	Students will be expected to commit significant preparation time for each major unit test
WEIGHT 1.05 (DUAL ENROLLED COURSES)	Students will hold significant responsibility for their success in the course. Teachers will expect students to see them for extra help when needed.	Course content exceeds the PDE academic standards. Course content is comparable to its college-level equivalent.	Will be assigned in class and used to introduce, review or extend concepts discussed in class	Project(s) will be assigned that require students to work at the upper levels of Webb's Depth of Knowledge	Students will be expected to commit significant preparation time for each major unit test
WEIGHT 1.0	Students must use class time conscientiously to complete assignments and review under the guidance of their teacher	Course content is structured around the framework provided by the PDE academic standards	Will be assigned and modeled in class and used to review concepts introduced in class	Projects that follow a teacher prepared timeline may be assigned and completed as part of homework requirements	Students will be expected to commit to prep time outside of class for each major unit test

The Depth of Knowledge is the degree of depth or complexity of knowledge standards and assessments require; this criterion is met if the assessment is as demanding cognitively as the expectations standards are set for students. The Depth of Knowledge was created by Norman Webb from the Wisconsin Center for Education Research.

AP® CAPSTONE DIPLOMA PROGRAM

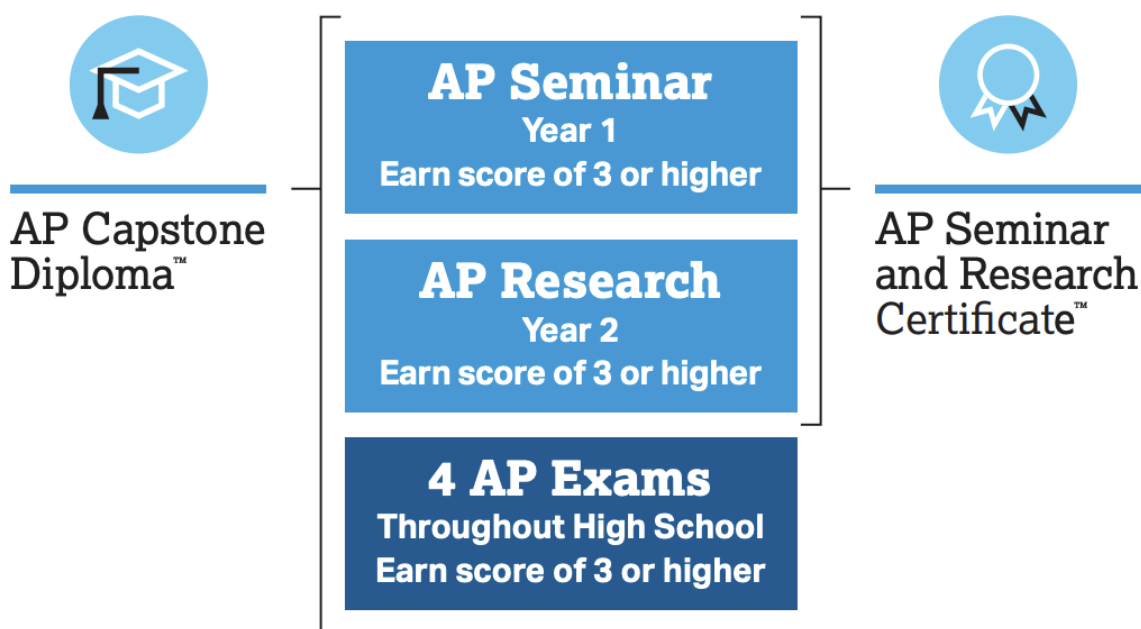
How AP Capstone Works

The AP Capstone Diploma program is a college-level program based on two courses—AP Seminar and AP Research—that complement and enhance discipline-specific AP courses.

The program gives students a chance to practice core academic skills that are increasingly valued by colleges. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college, career, and beyond.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. This signifies their outstanding academic achievement and attainment of college-level academic and research skills. Students who earn scores of 3 or higher in both AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™.

AP Capstone was developed in response to feedback from higher education and is easily implemented and flexible. It has the potential to differentiate and transform high schools and their students by elevating the learning environment through a challenging, college-level program with high standards of assessment.



ENHANCED STUDENT OPPORTUNITIES PROGRAM (ESOP)

The Enhanced Student Opportunities Program will provide CCHS seniors with the prospect of augmenting their educational experience at Central Cambria High School. Students in grade 12, or those pursuing an Associate's Degree in high school through one of our university partners, may carry a reduced load of classes and be excused for purposes of Work Experiences, Externship (Out-of-School), Internship (In-School), College Coursework on Campus, Online High School Courses or Independent Study. Students who wish to take advantage of this program must ensure that all credit and course requirements will be successfully completed prior to graduation. To be eligible, students must have a cumulative GPA of 78% at the midpoint of the 11th grade. Students may have the option to participate in the program in the morning or afternoon depending on course availability. ESOP policies apply to any college coursework on campus taken during grades 9 - 12. College coursework on campus may not replace core subject graduation requirements. An ESOP Agreement form must be completed. (Available on Next Page)

- o **Work Experience/Externships:** Students are required to make all contacts regarding work experiences/externships. There must be a supervisor who will be responsible for completing required school paperwork. Work experiences must be on a steady schedule, equivalent to that of a school schedule. Credits earned will be determined by the length of the experience. The student's supervisor will provide CCHS with a quarterly progress update. Credit weighted at 1.0. Graded on a Pass/Fail. Pass reported as 100%, Fail reported as 69%.

- o **Internship:** Student internships are set up through the HS Guidance Office. Credit weighted at 1.0. Graded on a Pass/Fail. Pass reported as 100%, Fail reported as 69%.

- o **College Coursework:** Students may apply for admission and take college coursework at a campus of their choosing. Students are required to make their own admission contacts/appointments, schedule classes and pay any tuition/fees that are required by the college/university. Upon successful completion of the course, students will earn one CCHS credit in addition to college credit. Grades will be converted to a percentage using the CCHS Grade Conversion Chart and will be weighted at 1.05.

- o **Online High School Courses:** When a course is not available within the CCHS course catalog students are permitted to take online courses. All fees are the responsibility of the student. Credit weighted at 1.0. Grade reported from the provider will be converted to a percentage grade on the transcript.

- o **Independent Study:** Students can satisfy their academic needs if they encounter a scheduling conflict through the use of independent study. Independent Study is dependent on teacher availability and approval from the principal. AP courses are not eligible for independent study. All requests are subject to approval by the Principal. These courses will be weighted at 1.0.

- o **Course Acceleration:** A student must score an unweighted 90% or above on the first attempt of the course final exam prior to the last day of school in order to accelerate beyond the next course in the prescribed sequence for the next school year. The grade on the final exam will be the course grade shown on the transcript and calculated toward the student's GPA. Courses credited through acceleration will be weighted at 1.0. Dual-Enrolled and Advanced Placement courses may not be taken through this method.

ESOP policy applies to all students beginning in the 2019-20 school year.

GRADE CONVERSION CHART

Grades from high schools and universities that report grades on a letter grade system will be converted to percentages to be entered in the Central Cambria system for GPA and other calculations using the following grade conversion chart:

A+ = 100	B+ = 92	C+ = 84	D+ = 77
A = 96	B = 88	C = 81	D = 74
A- = 93	B- = 85	C- = 78	D- = 70

ENHANCED STUDENT OPPORTUNITIES PROGRAM (ESOP) AGREEMENT

This form is to be completed and signed prior to authorization of and registration in any of the intended programs. The deadline for submission of this and other required forms is April 30 of the junior year.

Student's Name: _____ Date: _____

Address: _____

Student's Phone Number: (____)____-____ Secondary Phone Number: (____)____-____

Please check the ESOP in which you are interested in participating:

- ☐ Work Experience
- ☐ Internship (In-School)
- ☐ Externship (Out-of-School)
- ☐ College Coursework on Campus
- ☐ Online High School Course
- ☐ Independent Study
- ☐ Course Acceleration by Final Exam - Course Name: _____

Beginning Date of Above Program: ____/____/____ Ending Date (last day of school term): ____/____/____

This memorandum is for the purpose of outlining the agreement between the school, student, and outside entity, i.e. employer, high school teacher (internship/online course/independent study), externship supervisor, or college advisor. Copies of this agreement will be provided to the individual responsible for overseeing the Enhanced Student Opportunities Program on behalf of the student applicant.

We, the undersigned, agree to the conditions and responsibilities outlined in the agreement indicated in the ESOP packet.

Student's Signature: _____ Date: ____/____/____

Parent's/Guardian's Signature: _____ Date: ____/____/____

Responsible Party's Signature: _____ Date: ____/____/____

Principal's Signature: _____ Date: ____/____/____

Guidance Counselor's Signature: _____ Date: ____/____/____

Note: If a student is accepted to a Work Experience program, they must be covered under Workman's Compensation. Students under the age of 18 must secure a work permit before beginning a Work Program. Applications for work permits are available in the CCHS Guidance Office. Further ESOP information / forms are available in the CCHS guidance office.

STUDENT ACTIVITIES AT CENTRAL CAMBRIA HIGH SCHOOL

CLUB	SPONSOR	EMAIL ADDRESS
ART CLUB	MS. IRWIN	CIRWIN@CENCAM.ORG
BIBLE CLUB	MRS. BELSTERLING	BBELSTERLING@CENCAM.ORG
CHEMISTRY CLUB	MR. WAGNER	WWAGNER@CENCAM.ORG
eSPORTS CLUB	MRS. HEENEY	THEENEY@CENCAM.ORG
FELLOWSHIP OF CHRISTIAN ATHLETES	MR. MILLER	MMILLER@CENCAM.ORG
FIRST TECH CHALLENGE	MRS. NIEBAUER	HNIEBAUER@CENCAM.ORG
FORENSICS: SPEECH & DEBATE	MR. DUMAN	JDUMAN@CENCAM.ORG
FRENCH CLUB	MRS. SCHWEITZER	DSCHWEITZER@CENCAM.ORG
FRIENDS OF RACHEL	MRS. MIKOLICH	WMIKOLICH@CENCAM.ORG
INTERACT CLUB	MR. NIKOLISHEN	RNIKOLISHEN@CENCAM.ORG
MARCHING BAND	MRS. KOKUS	MKOKUS@CENCAM.ORG
MOCK TRIAL TEAM	MRS. NIEBAUER	HNIEBAUER@CENCAM.ORG
MUSICAL THEATRE	MR. SEYMOUR	PSEYMOUR@CENCAM.ORG
NATIONAL HONOR SOCIETY	MS. REED & MRS. WILSON	SREED@CENCAM.ORG OR LWILSON@CENCAM.ORG
NEWSPAPER	MR. MCGREGOR & MS. REED	SREED@CENCAM.ORG OR SMCGREGOR@CENCAM.ORG
READING COMPETITION TEAM	MRS. RIDGELEY	DRIDGELEY@CENCAM.ORG
SAT PREP	MRS. GIRONDA	SGIRONDA@CENCAM.ORG
SCHOLASTIC QUIZ TEAM	MRS. NIEBAUER	HNIEBAUER@CENCAM.ORG
SCHOOL STORE	MR. MILLER	TMILLER@CENCAM.ORG
SCIENCE OLYMPIAD	MRS. WILSON	LWILSON@CENCAM.ORG
SKI CLUB	MR. O'BRIEN	SOBRIEN@CENCAM.ORG
SPANISH CLUB	MRS. TEMPLETON & MRS. EDMISTON	NTEMPLETON@CENCAM.ORG OR KEDMISTON@CENCAM.ORG
STUDENT COUNCIL	MRS. TEMPLETON & MRS. WOODRUFF	NTEMPLETON@CENCAM.ORG OR JWOODRUFF@CENCAM.ORG

ATHLETIC PROGRAMS AT CENTRAL CAMBRIA HIGH SCHOOL

The following athletic programs are available to students at Central Cambria High School. For questions on any of the programs listed, please contact Athletic Director Randy Wilson at rwilson@cencam.org.

PIAA SPORTS (FALL SEASON):

BOYS' & GIRLS' CROSS COUNTRY
BOYS' & GIRLS' SOCCER

FOOTBALL
GIRLS' TENNIS

BOYS' & GIRLS' GOLF
GIRLS' VOLLEYBALL

FALL NON-PIAA SANCTIONED ACTIVITIES:

MARCHING BAND

SIDELINE CHEER

PIAA SPORTS (WINTER SEASON):

BOYS' & GIRLS' BASKETBALL

BOYS' & GIRLS' SWIMMING

WRESTLING

WINTER NON-PIAA SANCTIONED ACTIVITIES:

SIDELINE CHEER

WINTER NON-PIAA SANCTIONED/ NON SCHOOL-SPONSORED ACTIVITIES:

TRAP SHOOTING

ICE HOCKEY

PIAA SPORTS (SPRING SEASON):

BASEBALL

SOFTBALL

BOYS' TENNIS

BOYS' & GIRLS' TRACK

YEAR-ROUND NON-PIAA SANCTIONED ACTIVITIES:

STRENGTH & CONDITIONING / WEIGHT TRAINING & ATHLETIC DEVELOPMENT

PARTICIPATION OF STUDENT-ATHLETES IS GOVERNED BY THE CENTRAL CAMBRIA HIGH SCHOOL CO-CURRICULAR HANDBOOK. PLEASE REFER TO THAT DOCUMENT FOR MORE INFORMATION ON ELIGIBILITY REQUIREMENTS AND EXPECTATIONS.

ADDITIONAL INFORMATION ON THE PENNSYLVANIA INTERSCHOLASTIC ATHLETIC ASSOCIATION CAN BE FOUND AT PIAA.ORG

ENGLISH LANGUAGE ARTS DEPARTMENT

(5 credits required for graduation)

ALL CORE COURSE REQUIREMENTS ARE DESIGNED TO PROVIDE STUDENTS WITH COLLEGE AND CAREER READINESS SKILLS

Grade Level	General	College Preparatory	Advanced
ENGLISH LANGUAGE ARTS CORE REQUIREMENTS			
9	PRINCIPLES OF COMPOSITION & LITERATURE I	CONCEPTS OF COMPOSITION & LITERATURE I	
10	PRINCIPLES OF COMPOSITION & LITERATURE II	CONCEPTS OF COMPOSITION & LITERATURE II	
11	CONCEPTS OF COMPOSITION & LITERATURE III	CONCEPTS OF COMPOSITION & LITERATURE III	ADVANCED PLACEMENT LANGUAGE & COMPOSITION
12	CONCEPTS OF COMPOSITION & LITERATURE IV	CONCEPTS OF COMPOSITION & LITERATURE IV	ADVANCED PLACEMENT LITERATURE & COMPOSITION
ELECTIVE COURSES			
9 - 12	BROADCASTING NEWS TECHNOLOGY I DIGITAL PUBLICATIONS & PUBLIC SPEAKING	BROADCASTING NEWS TECHNOLOGY I DIGITAL PUBLICATIONS & PUBLIC SPEAKING	
10, 11 or 12	BROADCASTING NEWS TECHNOLOGY II	BROADCASTING NEWS TECHNOLOGY II	ADVANCED PLACEMENT SEMINAR ADVANCED PLACEMENT RESEARCH

ENGLISH LANGUAGE ARTS REQUIRED COURSES

PRINCIPLES OF COMPOSITION & LITERATURE I 	CREDITS: 1.5	WEIGHT: 1.0	GRADE: 9	PREREQUISITE: 8th Grade English Language Arts
Students will be placed in this level of English, based on performance in their ELA course in 8th grade. Designed to provide students with an understanding of grammar and usage integrated with composition. Forms of writing include descriptive, narrative, persuasive, and limited creative. Literature units include fiction, drama, poetry, and contemporary non-fiction. Emphasis is placed on the reading and writing skills present in the Pennsylvania Academic Standards. For the class of 2022, this course counts as 1.5 credits toward graduation requirements, but 1.0 credits in the student's GPA calculation.				

CONCEPTS OF COMPOSITION & LITERATURE I 	CREDITS: 1.5	WEIGHT: 1.0	GRADE: 9	PREREQUISITE: 8th Grade English Language Arts
Students will be placed in this level of English, based on performance in their ELA course in 8th grade. Designed to provide students with the opportunity to develop a greater appreciation and understanding of literature, improve writing skills, enlarge oral and written vocabulary, and obtain greater fluency and poise in speech. Fiction, drama, short story and composition are emphasized. For the class of 2022, this course counts as 1.5 credits toward graduation requirements, but 1.0 credits in the student's GPA calculation.				

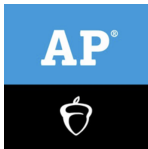
PRINCIPLES OF COMPOSITION & LITERATURE II 	CREDITS: 1.5	WEIGHT: 1.0	GRADE: 10	PREREQUISITE: PRINCIPLES OF COMPOSITION & LITERATURE I
Students will be placed in this level of English, based on performance in their 9th grade English course. Designed to provide students an opportunity to develop a greater appreciation and understanding of literature and composition. Students will improve writing skills, enlarge oral and written vocabularies, develop public speaking skills, and use library resources effectively. Emphasis is placed on the reading and writing skills present in the Pennsylvania Academic Standards.				

CONCEPTS OF COMPOSITION & LITERATURE II 	CREDITS: 1.5	WEIGHT: 1.0	GRADE: 10	PREREQUISITE: CONCEPTS OF COMPOSITION & LITERATURE I
Students will be placed in this level of English, based on performance in their 9th grade English course. Designed to provide students with an in-depth study, analysis and application of literature, poetry, drama, vocabulary, speech and writing. Oral and nonverbal communications will be emphasized allowing students to obtain a greater fluency and poise in speech. Students will utilize library resources, as well as critical thinking skills such as literary analysis, problem-solving, evaluation, synthesis and inference. Emphasis is placed upon writing for a variety of purposes, both formally and informally.				

CONCEPTS OF COMPOSITION & LITERATURE III 	CREDITS: 1	WEIGHT: 1.0	GRADE: 11	PREREQUISITE: PRINCIPLES OR CONCEPTS OF COMPOSITION & LITERATURE II
Designed to provide students with a broad background in American Literature and to build upon writing skills learned in previous English classes. Emphasis is placed on the integration of vocabulary, longer essays, and the reading and writing skills present in the Pennsylvania Academic Standards. Emphasis will also be placed upon writing literary analysis, persuasive, evaluative, and informative essays. Critical thinking skills will be utilized to complete an 8-10 page literacy paper.				

AP® LANGUAGE & COMPOSITION 	CREDITS: 1	WEIGHT: 1.1 	GRADE: 11	EXAM: 	PREREQUISITE: CONCEPTS OF COMPOSITION & LITERATURE II
Designed to provide students with an in-depth introduction to college-level English and to prepare the students to take the Advanced Placement English Language Exam. Emphasis is placed on both survey and close reading and the literary essay. Summer reading is required.					

CONCEPTS OF COMPOSITION & LITERATURE IV 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 12	PREREQUISITE: CONCEPTS OF COMPOSITION & LITERATURE III
Advanced Placement course designed to provide students with an in-depth study of English Literature with an emphasis on analysis, comparison, and evaluation. The composition element of the course will further develop skills necessary for college level writing. The Capstone project will be completed within this course.				

AP® LITERATURE & COMPOSITION 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.1 	GRADE: 12	EXAM: 	PREREQUISITE: AP® LANGUAGE & COMPOSITION or CONCEPTS OF COMPOSITION & LITERATURE III
Advanced placement course designed to provide students with an in-depth introduction to college-level English and to prepare the students to take the Advanced Placement English Literature Exam. Emphasis is placed on both survey and close reading and the literary essay. Summer reading is required. The Capstone project will be completed within this course.					

ENGLISH LANGUAGE ARTS ELECTIVES

BROADCAST NEWS TECHNOLOGY	CREDITS: 1	WEIGHT: 1.0	GRADE: 9-12	PREREQUISITE: NONE
Broadcasting Production explores the contemporary world of digital video and television production. Students learn basic editing skills, on-screen presence, speaking, writing and script editing. They also gain experience with industry standard video editing software in an up-to-date editing program. Students work in collaborative groups to produce video segments using a variety of cameras, while learning the basics of studio and field production, lighting and sound. Classes produce a daily news program.				

BROADCAST NEWS TECHNOLOGY II	CREDITS: 1	WEIGHT: 1.0	GRADE: 10-12	PREREQUISITE: BROADCAST NEWS TECHNOLOGY I
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Broadcasting News Technology II is a course that builds on the skills learned in Broadcasting I. Students learn more advanced editing skills and create specialized projects for sports teams, school initiatives and teachers. Students in Broadcasting Production partially self-direct their own learning of advanced editing skills, on screen presence, speaking, writing and script editing using professional equipment.

BROADCAST NEWS TECHNOLOGY III - LIVE EVENT BROADCASTING	CREDITS: 1	WEIGHT: 1.0	GRADE: 11-12	PREREQUISITE: BROADCAST NEWS TECHNOLOGY II
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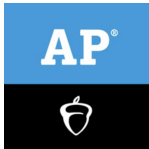
Students in Broadcasting News Technology III will broadcast live events at Central Cambria High School. Students will learn the skills of play by play, color commentary, sponsor mentions, and other aspects of broadcasting live events. **This course will be offered in the 2021-22 school year.**

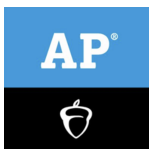
BROADCAST NEWS TECHNOLOGY IV - FILMMAKING	CREDITS: 1	WEIGHT: 1.0	GRADE: 11-12	PREREQUISITE: BROADCAST NEWS TECHNOLOGY II
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Students in Broadcasting News Technology IV will produce short films, feature length films, and other projects requiring advanced video editing skills. The course will entail a small amount of direct instruction combined with a large amount of independent, self-motivated work from students to complete assigned projects. **This course will be offered in the 2021-22 school year.**

DIGITAL PUBLICATIONS & PUBLIC SPEAKING	CREDITS: 1	WEIGHT: 1.0	GRADE: 9-12	PREREQUISITE: NONE
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In this course students receive hands-on experience as they learn the basics of preparing content for interactive, multimedia online publications. Students produce high-quality journalistic stories for Web distribution that include graphics, video, audio, still photos, and text. Students are responsible for gathering information, writing stories, taking pictures, shooting and editing video, and uploading content. In addition to enhancing digital journalism skills, students learn about important issues pertaining to convergence media such as media ethics, copyright, social media in the newsroom, media literacy, and how to create infographics to present statistical data. This course is designed for students who have an interest in creating a blog, vlog, Youtube channel, Website, or other digital content for an online platform.

AP® SEMINAR	CREDITS: 1.0	WEIGHT: 1.1 	GRADE: 10 or 11	EXAM: 	PREREQUISITE:
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas. AP Seminar is a requirement for the AP Capstone Diploma.					

AP® RESEARCH	CREDITS: 1.0	WEIGHT: 1.1 	GRADE: 11 or 12	EXAM: 	PREREQUISITE: AP® SEMINAR
AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. AP Seminar is a requirement for the AP Capstone Diploma. This course will be offered in the 2021-22 school year.					

SOCIAL STUDIES DEPARTMENT
(3 credits required for graduation)

**ALL CORE COURSE REQUIREMENTS ARE DESIGNED TO PROVIDE STUDENTS WITH COLLEGE & CAREER
 READINESS SKILLS**

SOCIAL STUDIES CORE REQUIREMENTS			
Grade Level	General	College Preparatory	Advanced
9	U.S. HISTORY	U.S. HISTORY	ADVANCED PLACEMENT UNITED STATES HISTORY
10	WORLD HISTORY	WORLD HISTORY	ADVANCED PLACEMENT EUROPEAN HISTORY
11	CIVICS	CIVICS	ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS
SOCIAL STUDIES ELECTIVE COURSES			
Grade Level	General	College Preparatory	Advanced
9			
10 - 12			ADVANCED PLACEMENT UNITED STATES HISTORY
	TRAVEL THE GLOBE WITH GEOGRAPHY	ECONOMICS	ADVANCED PLACEMENT MACROECONOMICS
	CONTEMPORARY AMERICAN HISTORY	CONTEMPORARY AMERICAN HISTORY	ADVANCED PLACEMENT PSYCHOLOGY

SOCIAL STUDIES REQUIRED COURSES

U.S. HISTORY 	CREDITS: 1	WEIGHT: 1.0	GRADE: 9	PREREQUISITE: NONE
United States History (1915 to the present) is a broad study of the domestic and international history of the United States covering economic, social, and political issues related to this country in the twentieth century. Emphasis is placed on the political evolution of our democratic country and our major conflicts.				

AP® UNITED STATES HISTORY 	CREDITS: 1 DUAL ENROLLMENT OPTION	WEIGHT: 1.1 	GRADE: 9	EXAM: 	PREREQUISITE:
The Advanced Placement United States History course is designed to provide students with the analytical skills and factual knowledge necessary for college level United States History courses, as well as to prepare students to take both the Advanced Placement United States History Exam and courses at the collegiate level. Over the duration of the course students will examine major themes in the cultural, intellectual, economic, political, and societal history of the United States spanning from 1492 to the present. Emphasis is placed on developing the skills necessary to succeed in a college level history course. These include comprehension and analysis of primary sources, weighing evidence and interpretations presented in a historical context, and developing the ability to demonstrate an understanding of history through writing which utilizes a thesis statement and evidence. <i>*If taken in 9th grade, this course can be taken in place of U.S. history. If taken after 9th grade, it will count as an elective.</i>					

WORLD HISTORY 	CREDITS: 1	WEIGHT: 1.0	GRADE: 10	PREREQUISITE: U.S. HISTORY
World History (1500 to present) is designed to provide students with an understanding of the economic, political, and social histories of various societies. The students will explore the key developments of the past from a human perspective. Emphasis is placed on gaining an understanding of past traditions, present life, and outlook for the future of multiple societies.				

AP® EUROPEAN HISTORY 	CREDITS: 1 DUAL ENROLLMENT OPTION	WEIGHT: 1.1 	GRADE: 10	EXAM: 	PREREQUISITE: U.S. HISTORY or AP® U.S. HISTORY & ABILITY TO READ COLLEGE-LEVEL TEXT
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AP European History is designed to be the equivalent of a two-semester introductory college or university European history course. In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity. **If taken in 10th grade, this course can be taken in place of World History. If taken after 10th grade, it will count as an elective.*

CIVICS & GOVERNMENT 	CREDITS: 1	WEIGHT: 1.0	GRADE: 11	PREREQUISITE: WORLD HISTORY OR AP® EUROPEAN HISTORY
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Civics & Government is designed to provide students with information on local, state, and national governments within the United States. This includes the structures of, functions of, and interrelationships between these levels of government. The course will emphasize individual rights and responsibilities of being a citizen of the United States.

AP® U.S. GOVERNMENT & POLITICS 	CREDITS: 1	WEIGHT: 1.1 	GRADE: 11	EXAM: 	PREREQUISITE: WORLD HISTORY OR AP® EUROPEAN HISTORY & ABILITY TO READ COLLEGE-LEVEL TEXT
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AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project.

SOCIAL STUDIES ELECTIVES

(THESE COURSES MAY BE USED TO FULFILL THE 4TH REQUIRED CREDIT OF MATH/SCIENCE/SOCIAL STUDIES, OR TO FULFILL ELECTIVE REQUIREMENTS)

AP® UNITED STATES HISTORY 	CREDITS: 1 DUAL ENROLLMENT OPTION	WEIGHT: 1.1 	GRADE: 10 - 12	EXAM: 	PREREQUISITE: U.S. HISTORY
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The Advanced Placement United States History course is designed to provide students with the analytical skills and factual knowledge necessary for college level United States History courses, as well as to prepare students to take both the Advanced Placement United States History Exam and courses at the collegiate level. Over the duration of the course students will examine major themes in the cultural, intellectual, economic, political, and societal history of the United States spanning from 1492 to the present. Emphasis is placed on developing the skills necessary to succeed in a college level history course. These include comprehension and analysis of primary sources, weighing evidence and interpretations presented in a historical context, and developing the ability to demonstrate an understanding of history through writing which utilizes a thesis statement and evidence.

AP® PSYCHOLOGY 	CREDITS: 1	WEIGHT: 1.1 	GRADE: 11 or 12	EXAM: 	PREREQUISITE: U.S. HISTORY
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The AP 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 ethics and methods psychologists use in their science and practice.

AP® MACROECONOMICS 	CREDITS: 1	WEIGHT: 1.1 	GRADE: 10 - 12	EXAM: 	PREREQUISITE: U.S. HISTORY
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AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

CONTEMPORARY AMERICAN HISTORY 	CREDITS: 1	WEIGHT: 1.0	GRADE: 10 - 12	PREREQUISITE:
This course examines the major social, political, economic, and military aspects of the United States from 1945-present. Topics covered include the Cold War, the Civil Rights Movement, Vietnam, the era of social change and popular culture in America, the Iraq Wars, and the United States in today's world and many others.				

TRAVEL THE GLOBE WITH GEOGRAPHY	1 CREDIT	WEIGHT: 1.0	GRADE: 10 - 12	PREREQUISITE:
This social studies course provides an overview of the geographical features of several countries and regions throughout the world. Special emphasis will be placed on cultural (food consumption, entertainment, population trends, etc.) as well as physical geography (climate, weather, biomes, etc.). Students will use technology as well as video resources to enhance their understanding of these locales.				

ECONOMICS	1 CREDIT DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 10 - 12	PREREQUISITE:
Designed to provide college bound students with analytic skills and factual knowledge necessary for a college level understanding of the major theories of micro and macroeconomics and the basic elements of the American capitalistic system. Emphasis is placed on relating current economic trends to economic theories, illustrating the government's role in the system, and on personal finances. Students will participate in an opportunity to learn useful lifetime economic and financial concepts via a stock market project. Students may be afforded the opportunity to teach basic economic principles to elementary or middle school students in conjunction with the Junior Achievement program with guest speakers from the business community addressing practical work and economic issues.				

SCIENCE DEPARTMENT

(3.5 credits required for graduation)

1.5 credits in Biology

1 credit in Chemistry

1 Science Elective

ALL CORE COURSE REQUIREMENTS ARE DESIGNED TO PROVIDE STUDENTS WITH COLLEGE AND CAREER READINESS SKILLS

SCIENCE CORE REQUIREMENTS				
Grade Level	General	College Preparatory	Advanced - Biology	Advanced - Physics
9	CONCEPTS OF BIOLOGY	CONCEPTS OF BIOLOGY	CONCEPTS OF BIOLOGY	CONCEPTS OF BIOLOGY
10	CONCEPTS OF CHEMISTRY	CONCEPTS OF CHEMISTRY	CONCEPTS OF CHEMISTRY	CONCEPTS OF CHEMISTRY
11	ENVIRONMENTAL SCIENCE or PHYSICS	PHYSICS or ORGANIC CHEMISTRY or ANATOMY & PHYSIOLOGY	ADVANCED PLACEMENT BIOLOGY	ADVANCED PLACEMENT PHYSICS I
12		PHYSICS or ORGANIC CHEMISTRY or ANATOMY & PHYSIOLOGY or ADVANCED PHYSICS or COLLEGE CHEMISTRY	ADVANCED PLACEMENT CHEMISTRY	ADVANCED PLACEMENT CHEMISTRY

SCIENCE ELECTIVES			
Grade Level	General	College Preparatory	Advanced
11 - 12		PHYSICS ORGANIC CHEMISTRY ANATOMY & PHYSIOLOGY ADVANCED PHYSICS COLLEGE CHEMISTRY	ADVANCED PLACEMENT CHEMISTRY or ADVANCED PLACEMENT PHYSICS I or ADVANCED PLACEMENT BIOLOGY (if not used as a core required course)

SCIENCE REQUIRED COURSES

CONCEPTS OF BIOLOGY 	CREDITS: 1.5	WEIGHT: 1.0	GRADE: 9	EXAM: 	PREREQUISITE: 8th GRADE SCIENCE
Designed to introduce students to the structures and functions of the living cell. Emphasis is placed on the cell and how its functioning determines who we are. Students take the Biology Keystone Exam within this course.					

CONCEPTS OF CHEMISTRY 	CREDITS: 1	WEIGHT: 1.0	GRADE: 10	PREREQUISITE: CONCEPTS OF BIOLOGY
Designed to develop analytical and logical thinking skills through a mathematical approach to understanding principles in science. Topics include scientific nomenclature, study of the periodic table, atoms and molecules in bonding, chemical reactions, and the study of gases. Labs are conducted in appropriate topics.				

SCIENCE ELECTIVES

(THESE COURSES CAN BE USED TO FULFILL THE REQUIRED 3RD SCIENCE CREDIT, AS WELL AS THE 4TH REQUIRED CREDIT OF MATH/SCIENCE/SOCIAL STUDIES, OR ELECTIVE CREDIT REQUIREMENTS)

PHYSICS 	CREDITS: 1 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 10-12	PREREQUISITE: ALGEBRA I
Designed to provide students with both an understanding of the physical laws that govern our universe and the ability to interpret the phenomena that occurs in daily life. An in-depth study of mechanics is completed including such concepts as motion, forces, work, energy, power, momentum, and rotational equilibrium and dynamics. Additional topics include: black holes, foundation units of wave theory, electricity, and relativity. This course is designed for students considering a career in science, technology, engineering, math, or the health field.				

ADVANCED PHYSICS 	CREDITS: 1 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 11-12	PREREQUISITE: PHYSICS
Designed to provide college bound students with a continuation of physics using both verbal and written explanations of physics concepts. Students will utilize CBL (Calculator Based Laboratory) technology in order to further their understanding of these physics concepts. Students will understand the significant role that physics plays in our technologically advanced world. Topics include: vibrations and waves, kinetic theory and heat, pressure, sound, light, static electricity and magnetism. This course is designed for any student that has completed Physics and is considering a career in science, technology, engineering, math, or the health field.				

AP® PHYSICS 1 	CREDITS: 1.5 DUAL ENROLLMENT OPTION	WEIGHT: 1.1 	GRADE: 11-12	EXAM: 	PREREQUISITE: PHYSICS
AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.					

ENVIRONMENTAL SCIENCE 	CREDITS: 1	WEIGHT: 1.0	GRADE: 11 or 12	PREREQUISITE: CONCEPTS OF BIOLOGY CONCEPTS OF CHEMISTRY
Introduces the major concepts and principles of ecology and their application to modern living. Includes lecture and laboratory components with an emphasis on the content and processes of science. Laboratory exercises reinforce lecture topics as well as the use of laboratory equipment, measuring procedures, experimental design, and the organization, visual representation, and analysis of data.				

ANATOMY AND PHYSIOLOGY 	CREDITS: 1 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 10-12	PREREQUISITE: CONCEPTS OF BIOLOGY
Designed to equip students entering a medically related field of study with the basic essentials of medical terminology, anatomy of the human body, and an understanding of how it functions as a living unit. This course involves animal organ and animal dissections. The course will utilize a hands-on approach with greater use of lab experimentation.				

AP® BIOLOGY 	CREDITS: 1.5 DUAL ENROLLMENT OPTION	WEIGHT: 1.1 	GRADE: 10-12	EXAM: 	PREREQUISITE: CONCEPTS OF CHEMISTRY
Designed to provide students with an in-depth introduction to college level Biology as well as to prepare the students to take the Advanced Placement Biology Exam. Emphasis will be on the structure and functions of the human cell as well as its cellular processes. This will lead into a study of multi-cellular organisms and their relationships with each other. This course involves animal dissection.					

ORGANIC CHEMISTRY 	CREDITS: 1	WEIGHT: 1.0	GRADE: 11-12	PREREQUISITE: CONCEPTS OF CHEMISTRY
Designed to provide college bound science or pre-med students with an introduction of Organic Chemistry. Much of the time is spent on naming organic compounds and studying reactions and reaction mechanisms. The reactions are very much different than any reaction studied in General Chemistry.				

COLLEGE CHEMISTRY 	1.5 CREDIT DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 11-12	PREREQUISITE: CONCEPTS OF CHEMISTRY
Designed to provide students with the opportunity to take an introductory chemistry course that may be transferred into college credits through the dual-enrollment partner institution. The course thoroughly examines topics theoretically with a mathematical emphasis.				

AP® CHEMISTRY 	1.5 CREDIT DUAL ENROLLMENT OPTION)	WEIGHT: 1.1 	GRADE: 11-12	EXAM: 	PREREQUISITE: CONCEPTS OF CHEMISTRY CONCEPTS OF ALGEBRA II
The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.					

MATHEMATICS DEPARTMENT

(3 credits required for graduation)

ALL CORE COURSE REQUIREMENTS ARE DESIGNED TO PROVIDE STUDENTS WITH COLLEGE AND
CAREER READINESS SKILLS

MATH CORE REQUIREMENTS			
Grade Level	General	College Preparatory	Accelerated / Advanced
7	MATH 7	MATH 7	ALGEBRA I
8	MATH 8	ALGEBRA I	CONCEPTS OF ALGEBRA II
9	ALGEBRA I	CONCEPTS OF ALGEBRA II	CONCEPTS OF GEOMETRY
10	CONCEPTS OF ALGEBRA II	CONCEPTS OF GEOMETRY	PRE-CALCULUS / TRIGONOMETRY
11	CONCEPTS OF GEOMETRY or PERSONAL FINANCE	PRE-CALCULUS / TRIGONOMETRY	ADVANCED PLACEMENT CALCULUS AB
12		COLLEGE CALCULUS or PERSONAL FINANCE or AP CALCULUS AB or AP STATISTICS	ADVANCED PLACEMENT CALCULUS BC
MATH & COMPUTER SCIENCE ELECTIVES			
Grade Level	General	College Preparatory	Advanced
12	CONCEPTS OF GEOMETRY or PERSONAL FINANCE or PRE-CALCULUS / TRIGONOMETRY	COLLEGE CALCULUS or PERSONAL FINANCE or AP CALCULUS AB or AP STATISTICS	AP STATISTICS AP COMPUTER SCIENCE PRINCIPLES AP COMPUTER SCIENCE A

MATHEMATICS REQUIRED COURSES

(COURSES BEYOND THE 3 MINIMUM CREDITS MAY BE TAKEN AS ELECTIVES OR TO FULFILL THE 4TH REQUIRED CREDIT OF MATH/SCIENCE/SOCIAL STUDIES. COURSES TAKEN PRIOR TO GRADE 9 DO NOT COUNT TOWARD GRADUATION REQUIREMENTS)

ALGEBRA I 	CREDITS: 1.5	WEIGHT: 1.0	GRADE: 7, 8 or 9	EXAM: 	PREREQUISITE: 8th GRADE MATH
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The study of mathematics through the usage of variables to solve equations is the primary purpose of this course. Topics include: basic concepts in algebra, inequalities; linear equations and functions; polynomials, and rational expressions; irrational numbers, and quadratic equations and functions. Students will take the Algebra Keystone Exam during this course.

CONCEPTS OF ALGEBRA II 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 8,9 or 10	PREREQUISITE: ALGEBRA I
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Designed to provide students with an introduction to the Complex Number System. Topics include: linear equations and functions, inequalities, polynomials and quadratic equations.

CONCEPTS OF GEOMETRY 	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 9, 10 or 11	PREREQUISITE: CONCEPTS OF ALGEBRA II
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Designed to provide students with an understanding of the relationship between points, lines, and planes. Topics include how these relate to angles, triangles, circles, polygons, etc. with an emphasis on problem solving in a logical sequence of steps.

PRE-CALCULUS / TRIGONOMETRY 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 10,11 or 12	PREREQUISITE: CONCEPTS OF GEOMETRY
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Designed for college bound students considering the pursuit of a mathematics or STEM related field. Pace of course increased to include topics in trigonometry, statistics, and discrete mathematics.

COLLEGE CALCULUS 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 11 or 12	PREREQUISITE: PRE-CALCULUS / TRIGONOMETRY
Designed to provide students with the opportunity to take an introductory calculus course that may be transferred into college credits if the individual student pursues dual enrollment through Mt. Aloysius College, the course moves at a fast pace and includes topics from an introductory college level calculus course. This course would specifically benefit any student entering into the core sciences, such as Engineering, Physics, Math, Chemistry, Biology or Computer Science.				

AP® CALCULUS AB 	CREDITS: 1.0	WEIGHT: 1.1 	GRADE: 11 or 12	EXAM: 	PREREQUISITE: PRE-CALCULUS / TRIGONOMETRY
AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.					

AP® CALCULUS BC 	CREDITS: 1.0	WEIGHT: 1.1 	GRADE: 12	EXAM: 	PREREQUISITE: AP® CALCULUS AB
AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections among these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students should be prepared for a fast paced course for challenge and knowledge. This course is planned to run in the 2020-21 school year.					

AP® STATISTICS 	CREDITS: 1.0	WEIGHT: 1.1 	GRADE: 11 or 12	EXAM: 	PREREQUISITE: PRE-CALCULUS / TRIGONOMETRY
The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.					

PERSONAL FINANCE	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 11 or 12	PREREQUISITE: CONCEPTS OF ALGEBRA II
This course may be scheduled in grade 11 or 12. Designed to provide students with knowledge and understanding of everyday life mathematics. Topics range from salaries and overtime to insurance, mortgages, making purchases and borrowing money. Daily uses of consumer topics include balancing a checkbook and creating a budget.				

COMPUTER SCIENCE

INTRO TO COMPUTER SCIENCE	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
An interactive introductory course for students brand new to programming that teaches the foundations of computer science using the Python language. Not only will this course prepare students for AP Computer Science A and AP Computer Science Principles, it will also teach students how to think computationally and solve complex problems. This course is offered in an online platform combined with a Central Cambria teacher.				

AP® COMPUTER SCIENCE PRINCIPLES 	CREDITS: 1.0	WEIGHT: 1.1 	GRADE: 9 - 12	EXAM: 	PREREQUISITE:
AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. This course is offered in an online platform combined with a Central Cambria teacher.					

AP® COMPUTER SCIENCE A 	CREDITS: 1.0	WEIGHT: 1.1 	GRADE: 10 - 12	EXAM: 	PREREQUISITE: ALGEBRA II (MAY BE CONCURRENTLY ENROLLED) INTRO TO COMPUTER SCIENCE OR AP COMP SCI PRINCIPLES
Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. This course will prepare students for the end-of-course AP Exam. This course is offered in an online platform combined with a Central Cambria teacher.					

PROJECT LEAD THE WAY ENGINEERING

THESE COURSES COUNT TOWARD THE STUDENT'S ELECTIVE COURSE REQUIREMENTS

PLTW PRINCIPLES OF ENGINEERING	CREDITS: 1.0 Dual-Enrollment Option	WEIGHT: 1.05 	GRADE: 9-12	EXAM: 	PREREQUISITE: ALGEBRA I
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This is the first course in our high school Project Lead the Way STEM / Engineering program. The course builds on skills learned in the middle school Design & Modeling and Automation & Robotics courses. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. To earn dual-enrollment credit through Rochester Institute of Technology, students must achieve a final grade of 85% or higher and earn the required minimum score on the End of Course Assessment.

PLTW CIVIL ENGINEERING & ARCHITECTURE	CREDITS: 1.0 Dual-Enrollment Option	WEIGHT: 1.05 	GRADE: 9-12	EXAM: 	PREREQUISITE:
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This is the second course in our high school Project Lead the Way STEM / Engineering program. Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. To earn dual-enrollment credit through Rochester Institute of Technology, students must achieve a final grade of 85% or higher and earn the required minimum score on the End of Course Assessment.

PLTW COMPUTER INTEGRATED MANUFACTURING	CREDITS: 1.0 Dual-Enrollment Option	WEIGHT: 1.05 	GRADE: 10-12	EXAM: 	PREREQUISITE:
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Computer Integrated Manufacturing (CIM) is a specialized PLTW engineering course that involves the study of manufacturing planning, integration, and implementation of automation. Students will analyze, design, and build manufacturing systems. Through the course, students will learn about topics such as automated controls, CNC mill programming and usage, robotic simulation, and other elements of the manufacturing process. To earn dual-enrollment credit through Rochester Institute of Technology, students must achieve a final grade of 85% or higher and earn the required minimum score on the End of Course Assessment.

BUSINESS EDUCATION DEPARTMENT
THESE COURSES COUNT TOWARD THE STUDENT'S ELECTIVE COURSE REQUIREMENTS

MICROSOFT OFFICE	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 9 - 12	PREREQUISITE:
Microsoft Office will prepare students to successfully complete the Microsoft Office User Specialist Certification program. With a structured curriculum that maps directly to the MOUS certification exam, students will participate with teacher instruction, skills assessment, and e-learning activities. At the end of the course, students will be prepared with a more powerful use of Microsoft Office and will also be prepared for the MOUS certification exam.				

YEARBOOK	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Requirements to schedule this course: Experience in the following areas: writing, keyboarding, use of computers, ability to meet deadlines Designed to provide students with the opportunity to incorporate the knowledge of desktop publishing with the practical application of producing the yearbook. Photography, journalism and marketing the yearbook are emphasized. This class continues the nearly 100-year tradition of creating and publishing The Oracle, the official yearbook of Central Cambria High School.				

ACCOUNTING I	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to provide students with the skills needed for today's accounting profession as well as a procedural and conceptual understanding of the entire accounting system.				

ACCOUNTING II / SMALL BUSINESS MANAGEMENT	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 10 - 12	PREREQUISITE: ACCOUNTING I
The Accounting II class will expand upon the knowledge gained in Accounting I by introducing the Accounting Cycle for a Merchandising Corporation. Primary areas of study will include: Special Journals, adjustments with the ten-column worksheet, and the preparation of financial statements for a corporation. We will also include aspects of Entrepreneurship, Marketing, and Business Management through the operation of the school store.				

VISUAL ARTS DEPARTMENT

THESE COURSES COUNT TOWARD THE STUDENT'S ELECTIVE COURSE REQUIREMENTS

DRAWING / DESIGN I	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to provide students with a broad based study of traditional and contemporary methods of drawing and design, using a variety of materials and techniques. Emphasis will be placed on composition, creative and expressive use of original ideas in student projects/workbook and e-portfolio development. Topics include: Design and Drawing projects, Art workbooks, and E-portfolios.				

DRAWING / DESIGN II	CREDITS: .5	WEIGHT: 1.0	GRADE: 10 - 12	PREREQUISITE: DRAWING / DESIGN OR DRAWING / DESIGN I
Designed to provide students with a broad based study of traditional and contemporary methods of drawing and design, using a variety of materials and techniques. Emphasis will be placed on composition, creative and expressive use of original ideas in student projects/workbook and e-portfolio development. Topics include: Design and Drawing projects, Art workbooks, and E-portfolios.				

PAINTING & PRINTMAKING I	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to provide students with a broad based study of traditional and contemporary methods of painting and printmaking using a variety of materials and techniques in various formats. Emphasis will be placed on composition and creative use of original ideas in student projects/workbooks and e-portfolio development. Topics include: Painting, Print methods, Art workbooks, and E-Portfolios.				

PHOTOGRAPHY & DIGITAL MEDIA I	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to provide students with an introduction to photography. Emphasis will be placed on the use of sound composition techniques while fostering creative expression in student work and portfolio development. The primary software used will be Adobe. Topics include: an overview of photography/photographers and a history of photography but the majority of the class time will be spent on digital photography/techniques, E-portfolio and Digital Media.				

PHOTOGRAPHY & DIGITAL MEDIA II	CREDITS: .5	WEIGHT: 1.0	GRADE: 10 - 12	PREREQUISITE: PHOTOGRAPHY & DIGITAL MEDIA I
Designed to provide students with an introduction to photography. Emphasis will be placed on the use of sound composition techniques while fostering creative expression in student work and portfolio development. The primary software used will be Adobe. Topics include: an overview of photography/photographers and a history of photography but the majority of the class time will be spent on digital photography/techniques, E-portfolio and Digital Media.				

PORTRAITURE & FIGURE DRAWING	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
This course is designed to provide in-depth instruction to all those who love to draw the human face and form...or all those who would love to <i>learn</i> to draw the human face and form. Students will be introduced to a variety of methods including knowledge and use of facial proportions, the grid technique and live models. Some media used in this course could include pencil, charcoal, ink, watercolors, prismacolors and oil pastel. Betty Edwards' book, <i>Drawing on the Right Side of the Brain</i> , will be referenced and emphasized.				

ARTS & CRAFTS	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
This course is designed for the student who likes to work in the third dimension! Almost all the projects are three-dimensional and are intended for use as functional objects as well as works of art. A variety of artistic mediums could be used including, but not limited to, weaving materials, plastr'craft, papier mache, clay, and wood. Some of the objects that could be created in this course are woven belts (the ancient art of card weaving), bound books (the art of bookbinding), homemade paper (the art of papermaking), clay whistles, woodburning and death masks.				

AP® STUDIO ART: 3-D ART & DESIGN	CREDITS: 1	WEIGHT: 1.1 	GRADE: 10 - 12	EXAM: 	PREREQUISITE: STUDENT MUST HAVE TAKEN AT LEAST TWO HIGH SCHOOL ART COURSES
AP 3-D Art and Design is an introductory college-level three-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce three-dimensional art and design.					

MUSIC DEPARTMENT

THESE COURSES COUNT TOWARD THE STUDENT'S ELECTIVE COURSE REQUIREMENTS

CONCERT BAND	CREDITS: .5 OR 1	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to offer students the chance to further his/her skills on a musical instrument. Emphasis is placed on total understanding of the music being performed and concentrates mainly on wind literature of the 19th and 20th centuries. Members of the concert band will also be introduced to theoretical aspects of music. Members will participate in at least two public performances during the school year. 1 credit option meets every cycle day for the full year. .5 credit option will be every other cycle day for the full year.				

CONCERT CHORUS	CREDITS: .5 or 1	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to offer students the chance to further musical skills through performance of vocal literature. The course is comprehensive, and students will study the best in choral literature from the 16th through the 20th centuries, with significant emphasis placed upon the historical and theoretical aspects of the music. Students will study physiology of the voice and gain a better understanding of the vocal mechanism. Members of the organization will participate in at least two public performances during the school year. 1 credit option meets every cycle day for the full year. .5 credit option will meet every other cycle day for the full year.				

GUITAR I	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Students will learn guitar basics, including proper technique, chords, accompaniment and melody. Music genres will include folk, classic, and pop.				

GUITAR II	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE: GUITAR I or AUDITION INTO GUITAR II
Students will learn advanced guitar skills. This course is designed to build on skills learned in Guitar I, or for students who already know how to play guitar and can demonstrate their skill in an audition.				

JAZZ BAND	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Students will learn and perform jazz music. Students must be currently enrolled in a minimum of .5 concert band credits to be eligible for jazz band.				

MUSICAL PRODUCTION: FROM BACKSTAGE TO ONSTAGE	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
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This class will explore the history of musical theater and how it developed into the theater we know today. This course will provide an introduction to the basic understanding and appreciation of what goes into a musical production both on and off stage including scenic and lighting design, costumes, stage makeup, and other technical aspects of theater. Additionally, students will analyze scenes and songs and learn how to translate them to the stage. We will also have outside professionals with many years of experience in these areas come and present guest lecturers as well as hold workshops from time to time.

RED DEVIL SINGERS	CREDITS: .5	WEIGHT: 1.0	GRADE: 11 - 12	PREREQUISITE: TWO YEARS OF HIGH SCHOOL CONCERT CHOIR
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This course is a vocal ensemble designed for invested singers. The music learned will cover many different styles from pop arrangements to show tunes and vocal jazz. This ensemble would focus on performing in areas that provide outreach to the public. Participation in concerts and outside performances is required. Membership is contingent on a successful audition. **Members must participate in .5 credits of concert chorus.**

DIGITAL MUSIC TECHNOLOGY	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
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In this introductory course, students briefly learn about the physics of sound and the history of recording technologies. They learn about the four stages of professional music recording projects: recording, editing, mixing, and mastering. Using Audacity/Garageband, they practice the techniques used by sound engineers to produce multitrack recordings. Through a series of engaging hands-on projects, students will learn the fundamental concepts of audio engineering.

AP® MUSIC THEORY	CREDITS: 1	WEIGHT: 1.1 	GRADE: 9 - 12	EXAM: 	PREREQUISITE:
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AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. Ensemble or advanced music experience is recommended, but not required.

WORLD LANGUAGE DEPARTMENT
THESE COURSES COUNT TOWARD THE STUDENT'S ELECTIVE REQUIREMENTS

FRENCH I 	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to introduce students to the sentence structure, conjugation of verbs, formation of commands and vocabulary of the French language. Emphasis is placed on speaking and writing the language.				

FRENCH II 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 10 - 12	PREREQUISITE: FRENCH I
Designed to provide students with a continuation of French I and the learning of vocabulary, grammar, and compound tenses. Continued emphasis is placed upon more complex structures in speaking, writing, listening, and reading proficiency.				

FRENCH III 	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE: FRENCH II
Designed to provide students with continued proficiencies introduced in previous French classes clarifying all grammar and conjugations in the three moods of indicative, subjunctive and imperative. Students continue to increase their abilities in reading comprehension, speaking, and writing using French as a second language. Emphasis is placed on vocabulary enlargement, and the history, culture, and traditions of French-speaking people.				

FRENCH IV 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 10 - 12	PREREQUISITE: FRENCH III
Provides students with an extension of French III. Emphasis is placed on reading with comprehension, vocabulary enlargement, and speaking more fluently. The course is designed to prepare students to take college entrance tests.				

SPANISH I 	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Designed to introduce students to the sentence structure, conjugation of verbs, formation of commands and vocabulary of the Spanish language. Emphasis is placed on speaking and writing the language.				

SPANISH II 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 10 - 12	PREREQUISITE: SPANISH I
Designed to provide students with a continuation of Spanish I and the learning of vocabulary, grammar and compound tenses. Continued emphasis is placed upon more complex structures in speaking, writing, listening and reading proficiency.				

SPANISH III 	CREDITS: 1.0	WEIGHT: 1.0	GRADE: 11 - 12	PREREQUISITE: SPANISH II
Designed to provide students with continued proficiencies introduced in previous Spanish classes clarifying all grammar and conjugations in the three moods of indicative, subjunctive and imperative. Students continue to increase their abilities in reading comprehension, speaking, and writing using Spanish as a second language. Emphasis is placed on vocabulary enlargement, and the history, culture, and traditions of Spanish-speaking people.				

SPANISH IV 	CREDITS: 1.0 DUAL ENROLLMENT OPTION	WEIGHT: 1.05 	GRADE: 12	PREREQUISITE: SPANISH III
Designed to provide students with an in-depth introduction to college-level Spanish. Emphasis will be placed on improving reading and listening comprehension, increasing vocabulary, and speaking more fluently.				

FAMILY & CONSUMER SCIENCE DEPARTMENT

SENIOR FOODS	CREDITS: .5	WEIGHT: 1.0	GRADE: 12	PREREQUISITE:
This course will meet every other day. Within the course, students will learn basic skills of food preparation that they can use throughout their lives. Focus areas include meal planning, safe food handling and preparation guidelines, and nutrition.				

HEALTH & PHYSICAL EDUCATION DEPARTMENT REQUIRED COURSE

HEALTH & WELLNESS	CREDITS: .5	WEIGHT: 1.0	GRADE: 9	PREREQUISITE:
This course is required for all 9th grade students. Students complete the transition from simple versions of movement forms to more complex applications across all types of physical activities. Activities include games, sports, dances, and recreational pursuits. Students demonstrate the ability to use basic skills, strategies, and tactics as they show more specialized knowledge in identifying and applying key movement concepts and principles. Students develop and assess a personal physical activity program aimed at improving their skill performance. Students demonstrate the ability to plan and improve components of fitness to achieve and maintain a health-enhancing level of personal fitness. Health education includes information concerning alcohol and other drugs, consumer health, disease prevention and control, pregnancy education, personal health, growth and wellness, mental health, nutrition, and family life education.				

HEALTH & PHYSICAL EDUCATION DEPARTMENT ELECTIVES

STUDENTS MUST COMPLETE A MINIMUM OF .5 CREDITS IN ADDITION TO THE 9TH GRADE HEALTH/WELLNESS COURSE

STRENGTH & CONDITIONING - FUNCTIONAL FITNESS TRAINING	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
This course works on all aspects of strength and conditioning with an emphasis on weight training, coordination, speed, agility, endurance, range of motion, self-defense, and flexibility at a high intensity. This course will meet every other cycle day.				

STRENGTH & CONDITIONING -	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
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FLEXIBILITY, FITNESS & MINDFULNESS				
This course works on all aspects of strength and conditioning with an emphasis on weight training, coordination, speed, agility, endurance, range of motion, and flexibility with an additional emphasis on yoga. This course will meet every other cycle day.				

LIFEGUARDING & AQUATICS	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
This course will focus on water safety, lifeguarding, general swim strokes, water games, and water safety training with the option of gaining a lifeguarding certification at an additional fee. This course will meet every other cycle day. <i>*This course will run if a sufficient number of students sign up for the course.</i>				

TEAM & INDIVIDUAL COMPETITION	CREDITS: .5	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
Students will participate in a variety of team and individual sports such as volleyball, basketball, badminton, etc. This course will meet every other cycle day.				

EARLY MORNING ATHLETIC DEVELOPMENT	CREDITS: .5 CREDIT (Full Year) .25 CREDIT (Half Year)	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
<i>This course will meet every other cycle day from 6:30 a.m. - 7:15 a.m. Students must provide their own transportation. *This course will run if a sufficient number of students sign up for the course.</i> This course works on all aspects of athletic development, including weight training, coordination, speed, agility, endurance, range of motion, self-defense, yoga, and flexibility. This course is designed with student athletes in mind, allowing for physical development both in-season and during the off-season.				

SUMMER PHYSICAL EDUCATION	CREDITS: .25	WEIGHT: 1.0	GRADE: 9 - 12	PREREQUISITE:
<i>This course will meet during the summer. Students must provide their own transportation. There is a fee of \$75 to take the course. *This course will run if a sufficient number of students sign up for the course.</i> Within this course, students will develop all aspects of physical education and wellness. A variety of activities will take place. This is a 30-hour, .25 credit course.				

INTERNSHIPS

THESE OPPORTUNITIES ARE OPEN TO SENIORS. THEY ARE GRADED ON A PASS (100%) OR FAIL (69%) BASIS, AND COUNT TOWARD THE STUDENT'S ELECTIVE CREDIT REQUIREMENTS

CREDITS ARE AWARDED ON THE BASIS OF ONE CREDIT PER CLASS PERIOD, UP TO A MAXIMUM OF THREE

STUDENTS WILL BE SELECTED BY THE ADVISORS BASED ON THEIR PRIOR ACADEMIC RECORD, WORK ETHIC, AND TRUSTWORTHINESS

INTERESTED STUDENTS SHOULD COMPLETE AN INTERNSHIP APPLICATION AND TURN IT IN TO THE GUIDANCE OFFICE

OFFICE INTERNSHIP	CREDITS: VARIES BASED ON TIME	WEIGHT: 1.0	GRADE: 12	PREREQUISITE: STUDENT MUST BE ON TRACK TO FULFILL REQUIREMENTS FOR GRADUATION
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Office Interns will be required to perform a number of duties in the Main Office of either Central Cambria Middle School or High School. Duties include but are not limited to, gathering homework for absent students, sorting forms, changing bulletin boards, delivering mail to the Central Cambria School District Administrative Offices. The student chosen to work in the office must be in good academic standing, must attend school regularly, and be able to interact appropriately with peers and adults who visit the office.

LIBRARY INTERNSHIP	CREDITS: VARIES BASED ON TIME	WEIGHT: 1.0	GRADE: 12	PREREQUISITE: STUDENT MUST BE ON TRACK TO FULFILL REQUIREMENTS FOR GRADUATION
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Library Interns will be expected to assist the MS/HS Librarian with a number of tasks to include shelving books, checking books both in and out of the library, pulling resources from databases, assisting with organizing the physical space of the library.

TECHNOLOGY INTERNSHIP	CREDITS: VARIES BASED ON TIME	WEIGHT: 1.0	GRADE: 11 - 12	PREREQUISITE: STUDENT MUST BE ON TRACK TO FULFILL REQUIREMENTS FOR GRADUATION
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Students will assist with tasks related to the maintenance and deployment of technology within the school district. As a technology intern, students will have the opportunity to solve some information challenges

and also support technology initiatives. Internships are designed to help students gain real-world experience in the workforce. Students will work with the Director of Technology and In-Shore Technologies to complete tasks.

ATHLETICS INTERNSHIP	CREDITS: VARIES BASED ON TIME	WEIGHT: 1.0	GRADE: 11 - 12	PREREQUISITE: STUDENT MUST BE ON TRACK TO FULFILL REQUIREMENTS FOR GRADUATION
Athletic Director Interns work directly with the AD, assisting in the daily operations of the Athletic Department. Duties include field preparation, event set-up and tear down, equipment collection and storage. Interns are required to lift objects and make deliveries to other buildings. Students must have above a 3.0 grade point average, good interpersonal skills and work well within a team setting.				

LEARNING SUPPORT INTERNSHIP	CREDITS: VARIES BASED ON TIME	WEIGHT: 1.0	GRADE: 11 - 12	PREREQUISITE: STUDENT MUST BE ON TRACK TO FULFILL REQUIREMENTS FOR GRADUATION
Students will assist with special needs students within our MDS classroom.				

SCHOOL TO WORK	CREDITS: VARIES BASED ON TIME	WEIGHT: 1.0	GRADE: 12	PREREQUISITE: STUDENT MUST BE ON TRACK TO FULFILL REQUIREMENTS FOR GRADUATION
This program enables seniors, who are not Admiral Peary AVTS students, to be released early from the school day to work . The program gives students a chance to explore and experience the real world of work, while providing an opportunity for students to use the skills and knowledge they have gained in their specific classes. Forms pertaining to the program need to be completed in the second semester of the junior year. Evaluations completed by the student's supervisor at the work site are to be submitted when grades are due at the end of each quarter.				

ADMIRAL PEARY AREA VOCATIONAL TECHNICAL SCHOOL (APAVTS)

APAVTS offers 17 programs of study which incorporate secondary education and postsecondary education elements, include coherent and rigorous content aligned with challenging academic standards and relevant career and technical content. Students may have an opportunity to participate in a statewide articulation agreement to acquire postsecondary education credits. Sophomore students attend the AM program, while juniors & seniors attend the PM program.

ADMIRAL PEARY AREA VOCATIONAL TECHNICAL SCHOOL CERTIFICATION PROGRAMS

(Descriptions of these programs are listed in the APAVTS Course Catalog,
available in the CCHS Guidance Office.)

AUTOMOTIVE/SMALL ENGINE REPAIR

AUTOMOTIVE BODY/COLLISION REPAIR	4 CREDITS
AUTOMOTIVE TECHNOLOGY	4 CREDITS
SMALL ENGINE MECHANICS	4 CREDITS

ENGINEERING/MANUFACTURING

WELDING	4 CREDITS
ENGINEERING TECHNOLOGY	4 CREDITS

CONSTRUCTION TRADES

ELECTRICAL TECHNOLOGY	4 CREDITS
MASONRY	4 CREDITS
CARPENTRY	4 CREDITS
HEATING/VENTILATION/AIR COND. /REFRIGERATION	4 CREDITS

HEALTH AND HUMAN SERVICES

COSMETOLOGY	4 CREDITS
HEALTH ASSISTING	4 CREDITS
CULINARY ARTS	4 CREDITS
EARLY CHILDHOOD TEACHER EDUCATION	4 CREDITS

INFORMATION TECHNOLOGY

NETWORKING TECHNOLOGY	4 CREDITS
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PROGRAMS PENDING FINAL APPROVAL

ADMINISTRATIVE ASSISTANT	4 CREDITS
MACHINIST	4 CREDITS

APPENDIX A: NCAA COURSE OF STUDY REGULATIONS

Attention student athletes and parents:

If participation in college athletics is a possible future consideration, it is important for you to read and understand the following information. If you have any questions about the academic standards, you should contact one of your high school counselors. In order to participate as a college freshmen in Division I or II athletics, the NCAA Initial-Eligibility Clearinghouse must certify a student.

Although the NCAA does not begin the certification process before the end of a student's junior year in high school, the student begins to meet the eligibility requirements in ninth grade with the courses selected and grades achieved. Thus course selection is extremely important.

Central Cambria's NCAA Accepted Core Courses

<u>English Department</u> Principles of Comp. & Lit. I, II, III, IV Concepts of Comp. & Lit. I, II, III, IV English Enrichment I, II, III, IV (retired) AP Language & Composition AP Literature & Composition <u>Additional Core Courses</u> Spanish I, II, III, IV French I, II, III, IV	<u>Social Studies Department</u> U.S. History World History Civics & Government Contemporary American History AP United States History AP European History AP European History AP U.S. Government & Politics AP Psychology AP Macroeconomics
<u>Science Department</u> Environmental Science Principles of Biology Concepts of Biology Principles of Chemistry Concepts of Chemistry Physics Advanced Physics Anatomy & Physiology Organic Chemistry College Chemistry AP Biology AP Physics AP Chemistry	<u>Mathematics Department</u> Algebra I Concepts of Geometry Concepts of Algebra II Algebra III/Trigonometry (retired) Pre-Calculus/Trigonometry College Calculus AP Calculus AB AP Calculus BC AP Statistics AP Computer Science Principles



ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA.

CORE COURSES

Visit eligibilitycenter.org/courselist for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

DIVISION II

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your grade-point average (GPA) based on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at ncaa.org/student-athletes/future/test-scores.

TEST SCORES

Take the ACT or SAT as many times as you want before you enroll full time in college, but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you register to take a test. If you take a test more than once, send us all your scores and we will use the best scores from each test section to create your sum score. We accept official scores only from the ACT or SAT, and won't use scores shown on your high school transcript.



HIGH SCHOOL TIMELINE

GRADE 9

Plan

- Start planning now! Take the right courses and earn the best grades you can.
- Ask your counselor for a list of your high school's NCAA core courses to make sure you take the right classes. Or, find your high school's list of NCAA core courses at eligibilitycenter.org/courselist.

GRADE 10

Register

- Register for a Certification Account or Profile Page with the NCAA Eligibility Center at eligibilitycenter.org.
- If you fall behind on courses, don't take shortcuts to catch up. Ask your counselor for help with finding approved courses or programs you can take.

GRADE 11

Study

- Check with your counselor to make sure you are on track to graduate on time.
- Take the ACT or SAT, and make sure we get your scores by using code 9999.
- At the end of the year, ask your counselor to upload your official transcript.

GRADE 12

Graduate

- Take the ACT or SAT again, if necessary, and make sure we get your scores by using code 9999.
- Request your final amateurism certification after April 1.
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation.

Core Courses

This simple formula will help you meet Divisions I and II core-course requirements.

$$4 \times 4 = 16$$

- + 4 English courses (one per year)
- + 4 math courses (one per year)
- + 4 science courses (one per year)
- + 4 social science courses (one per year)

= 16 NCAA CORE COURSES

For more information:

ncaa.org/playcollegesports
eligibilitycenter.org

Search Frequently Asked Questions

ncaa.org/studentfaq

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 July 2018

**APPENDIX B: DUAL-ENROLLMENT COURSES - PENN HIGHLANDS COMMUNITY
COLLEGE**

CCHS Course Title	DE Partner	Partner Title	Partner Code	Credits	Teacher	Prereq
AP Language	PHCC	English Composition I	ENG 110	3	S. Reese	
AP Literature	PHCC	English Comp II/Study in Literature	ENG 200	3	S. Reese	DE ENG 110
AP US History	PHCC	US History I: Discovery-Reconstruction	HIS 100	3	G. Cirelli	
AP Government & Politics	PHCC	Intro to American Government	GOV 100	3	S. O'Brien	
Pre-calculus /Trigonometry	PHCC	Precalculus	MAT 170	3	J. Sipe & C. Gochnour	
AP Calculus AB	PHCC	Calculus I	MAT 210	4	J. Woodruff	Precalc/ Trig
AP Statistics	PHCC	Probability & Statistics	MAT 200	3	J. Sipe	Precalc/ Trig
College Chemistry	PHCC	General Chemistry	CHM 120	4	W. Wagner	
Anatomy & Physiology	PHCC	Anatomy & Physiology	BIO 202/212	4	M. Mazzarella	
AP Biology	PHCC	Principles of Biology I	BIO 104/114	4	B. Belsterling	
AP Physics	PHCC	Algebra Based Physics I	PHY 110/111	4	M. Hoover	
French I & II	PHCC	French I	FRE 101	3	D, Schweitzer	
French III & IV	PHCC	French II	FRE 102	3	D, Schweitzer	French I&II

APPENDIX C: DUAL-ENROLLMENT COURSES - MOUNT ALOYSIUS COLLEGE

CCHS Course Title	DE Partner	Partner Title	Partner Code	Credits	Teacher	Prereq
AP Language & Composition	Mt. Aloysius	Rhetoric 1	EN 110	3	S. Reese	
AP Literature & Composition	Mt. Aloysius	Special Topics the Art of Rhetoric	EN 281	3	S. Reese	
Concepts of Comp & Lit IV	Mt. Aloysius	Introduction to Literature	EN 102	3	S. Reese & R. Shaffer	
AP US History	Mt. Aloysius	American History Since 1877	HS 202	3	M. Miller	
Economics	Mt. Aloysius	Intro to Economics	EC 201	3	J. Klezek	
AP U.S. Government & Politics	Mt. Aloysius	American National Government	PS 203	3	S. O'Brien	
AP European History	Mt. Aloysius	Special Topics Western Civilization	HS 281	3	M. Miller	
Pre-calculus /Trigonometry	Mt. Aloysius	Pre-Calculus	MATH 113	3	J. Sipe & C. Gochnour	
AP Calculus AB	Mt. Aloysius	Calculus I	MATH 117	4	J. Woodruff	
College Calculus	Mt. Aloysius	Calculus I	MATH 117	4	B. McCombie	
AP Statistics	Mt. Aloysius	Stats	MATH 220	3	J. Sipe	
Advanced Physics	Mt. Aloysius	Physics 1	PHYS 105	4	M. Hoover	
AP Biology	Mt. Aloysius	Biology I	BIOL 101	4	B. Belsterling	
Anatomy & Physiology	Mt. Aloysius	Anatomy & Physiology I	BIOL 201	4	M. Mazzarella	
College Chemistry	Mt. Aloysius	Chemistry	CHEM 101	4	W. Wagner	
AP Chemistry	Mt. Aloysius	Chemistry	CHEM 101	4	W. Wagner	
AP Physics	Mt. Aloysius	Applied Physics	PHYS 103	4	M. Hoover	
Microsoft Office	Mt. Aloysius	Communication Technology Literacy	CS 103	3	T. Miller	

APPENDIX D: DUAL-ENROLLMENT COURSES - SAINT FRANCIS UNIVERSITY

CCHS Course Title	DE Partner	Partner Title	Partner Code	Credits	Teacher	Prereq
Physics	SFU	Physical Science	PHYS 101	3	M. Hoover	
Advanced Physics	SFU	Physics	PHYS 104	4	M. Hoover	Physics
College Chemistry	SFU	Human Chemistry	CHEM 113	4	W. Wagner	
Spanish II	SFU	Beginning Spanish I/II	SPAN 112	3	N. Templeton	
Spanish IV	SFU	Intermediate Spanish I	SPAN 201	3	N. Templeton	Spanish I & II
College Calculus	SFU	Calculus	MATH 112	3	B McCombie	
AP Biology	SFU	Biology I (lecture only; no lab)	BIO 111	3	B Belsterling	
AP Literature	SFU				S Reese	
Microsoft Office	SFU	Intro to Computer Science	CPSC 101	3	T Miller	
Anatomy & Physiology	SFU	Human Biology	BIO 105	3	M Mazz	

APPENDIX E: DUAL-ENROLLMENT COURSES - ROCHESTER INSTITUTE OF TECHNOLOGY

CCHS Course Title	DE Partner	Partner Title	Partner Code	Credits	Teacher	Prereq
Principles of Engineering	RIT	Principles of Engineering	CAST-PLT W-102 - 88	3	D. Ridgeley	
Civil Engineering & Architecture	RIT	Civil Engineering & Architecture	CAST-PLT W-104 - 88	3	L. Wilson	
Computer Integrated Manufacturing	RIT	Computer Integrated Manufacturing	CAST-PLT W-105 - 88	3	L. Wilson	

APPENDIX F: PARENT INFORMATION FOR AP & DUAL-ENROLLMENT COURSES

*The following information was compiled by CCHS College & Career Adviser Andrea Zilch. Information is provided as an assistance to parents in making decisions on their child's courses. It is the responsibility of the student and parent to verify information, research options, and make choices based on the student's goals.

Benefits & Challenges of AP Exam Credit

- **AP is nationally recognized as one of the most rigorous curricular options.**

Students who take AP courses signal to colleges that they're serious about their education and that they're willing to challenge themselves with rigorous coursework.

- **AP courses' standardized curriculum provides colleges/universities with a vetted expectation for course coverage since each is modeled on a comparable college introductory course.**
- **Most colleges and universities nationwide offer college credit, advanced placement, or both for qualifying AP Exam scores.**

This can mean: being able to skip introductory or general-education courses; a lesser credit load during the semester; or an earlier expected graduation date.

- **However, each college/university determines their own policies for accepting AP Exam credit.**

Prospective students are responsible for researching and understanding the policies set by their colleges of interest. But, almost all colleges/universities publicize their individual policies.

- **AP Exam scores are *not guaranteed* to transfer as courses that fulfill general education or introductory course requirements.**

Therefore, their transfer may have *no impact* on a lesser credit load or earlier expected graduation date.

- **Keep in mind that students whose AP credits exempt them from introductory courses may find the academic transition to college more difficult.**
Colleges/universities establish their own individualized curriculum which may place higher expectations on their introductory courses than is met with the AP curriculum.
- **Overall, research demonstrates that students who receive a score of 3 or higher on the AP Exam typically experience greater academic success in college.**
- **As of the present moment, CCSD does *not* cover the cost of taking the AP Exam - \$94**
- **The College Board offers a fee reduction for students who qualify for free or reduced lunch. PDE has also offered assistance, bringing the cost of the AP exam down to \$20 for these students**
- **Search Credit Acceptance Policies at Universities Here:**

<https://apstudents.collegeboard.org/getting-credit-placement/search-policies>

Benefits & Challenges of Dual Enrollment

- **CCHS currently offers 23 dual enrollment courses partnered with: Penn Highlands Community College, Mount Aloysius College, or Saint Francis University**

These courses are taught by our educators so that students do not have to travel to another campus. Plus, they fulfill *both* CCHS graduation requirements and those of the providing college.

- **Students may also take classes in-person at one of the local colleges to get an early sense of the dynamics of a college classroom.**

This opportunity allows students to expand upon their high school experience through coursework in areas not currently offered by CCHS. Remember to take into consideration travel expenses, time, and safety.

- **Students are *solely* responsible for maintaining records of course for which they've purchased dual enrollment credit.**

These credits are *not* reflected on their permanent CCHS transcript. Students *must* request an official transcript from the providing college for an accurate record.

- **The cost of Dual Enrollment courses is typically more cost effective than those for students enrolled full-time at a college/university.**

CCHS's Dual Enrollment per-credit cost ranges from **\$55 to \$75**

Compared to: Penn Highlands's full-time per-credit cost at \$208 or Saint Francis University's full-time per-credit cost at \$485

A 3-credit DE course may cost up to **\$225** and a 4-credit course may cost up to **\$240**

- **Dual Enrollment credits can fulfill introductory or general education course requirements.**

This can mean: a lesser credit load during the semester, an earlier expected graduation date, or an overall financial savings on the cost of attending a college/university.

- **Our Dual Enrollment partners maintain articulation agreements with other colleges/universities.**

Penn Highlands Community College maintains over **120** agreements. Mount Aloysius College maintains approximately **14** agreements. Saint Francis University maintains over **30** agreements.

- **However, Dual Enrollment courses are *not guaranteed* to transfer as courses that fulfill introductory or general education requirements at institutions other than the providing college.**

Prospective students are responsible for researching and understanding which of their dual enrollment credits will transfer.

- **Dual Enrollment courses do not follow a standardized curriculum, unlike AP courses.**

Therefore, they are less likely to be accepted by colleges/universities other than the providing college and less likely to transfer than AP credit.