

Program Of Studies



2025-2026

Covington High School

Covington, Ohio 45318

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The Purpose of this Pamphlet

The purpose of this pamphlet is to help the student in choosing from the various courses offered, the combination of classes that will best suit his/her educational goals and needs. Obviously, such a choice involves knowledge of all the courses offered at Covington High School. Hence, this document is provided to attempt to give a general picture of the types of coursework available at our school.

Guidance in the selection of subjects is one of the most important functions of the school and home. Students will be given the opportunity to discuss this issue with their parents and the school counselors before a final decision has been made.

Planning a Course of Study

The best high school course is one planned before the student enters high school and one planned as a comprehensive whole, to meet the needs, interests, and aptitudes of the student. Input from school staff, students, and parents will be considered in course selection. In general, students are encouraged to engage in the most rigorous coursework in which they are capable of succeeding.

Registration/Withdrawal Procedures

1. Material contained in this pamphlet will be discussed with each student. A listing of all subjects offered with a brief description of each subject and general notes on the program of studies is shown.
2. Parents may obtain a copy of this pamphlet and help their son or daughter develop a tentative four-year plan as well as determining definite courses for the first year of high school. The Program of Studies is also available on the high school website.
3. Once a schedule has been established, there will be no schedule changes without a personal conference with a school counselor and/or the high school principal.
4. The administration reserves the right to cancel course offerings in which there is not sufficient registration.
5. No courses may be changed without special administrative approval. No student will be permitted a change of period in the same subject unless it is an administrative change.
6. Any student dropping a course after the fifth day of the grading period will receive an F in that subject with no credit being granted unless approved by the principal.
7. There will be NO auditing of courses.

Graduation Requirements

Twenty-one units of credit are presently required for graduation. The minimum requirements shall include the following:

Courses	State Minimum
English Language Arts	4 credits
Mathematics	4 credits ¹
Science	3 credits ²
Social Studies	3 credits ³
Health	½ credit
Physical Education	½ credit ⁴
Fine Arts	1 credit ⁵
Financial Literacy	½ credit ⁵
Electives to complete 21 credits	5 credits ⁶

In addition to completing all required coursework for a diploma, students are also required to participate in state testing as follows:

Ohio End of Course Exams (EOC): All students must take end of course exams as directed by the state department of education. The required tests vary depending on the students' year of entry into high school and courses taken. Exams that may be taken include: Algebra I and Geometry or Integrated Math I and II; Biology; American History; American Government; English Language Arts 10. These exams will be taken during the school year students are enrolled in those particular courses.

ACT: All juniors will be given the option to take the ACT. This test will be administered during the school day during the spring of their junior year. Students must opt in or out. Students who opt out during their junior year will not be eligible to take it during their senior year.

¹ **Mathematics** units must include one unit of algebra II or the equivalent of algebra II. Exceptions: Algebra II is not a requirement for students following a career-technical pathway. However, students still must have four units in mathematics.

² **Science** units must include one unit of physical sciences, one unit of life sciences, and one unit of advanced study in one or more of the following sciences: chemistry, physics or other physical science, advanced biology or other life science, astronomy, physical geology or other earth or space science. Exception: A family may decide that their student is not prepared to meet the graduation requirement for a higher-level science course. Or, their student may be planning a career that does not require higher level science. Higher level science may not be a requirement for this student.

³ **Social Studies** units must include ½ unit of American history, ½ unit of American government, and ½ unit in world history and civilizations in their required three units.

⁴ **Physical education**- school districts may adopt a policy that would exempt students who participated in interscholastic athletics, marching band, or cheerleading for two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years from the physical education requirement. Students must take another course, which cannot be a physical education course, of at least 60 contact hours.

⁵ **Other state requirements**- All students must receive instruction in economics and financial literacy during grades -12 and must complete at least two semesters of fine arts taken any time in grades 7-12. Fine arts is not a requirement for students following a career-technical pathway.

⁶ **Elective credits** must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agriculture education, or English language arts, mathematics, science, or social studies courses not otherwise required.

Class of 2023 and Beyond Graduation Requirements

1. Earn the necessary credits (as outline above)
2. Show Competency : Earn a competency score of at least 684 on Ohio's high school Algebra 1 and English II End of Course Exams. Students who do not pass the test will be offered additional support and must retake the test at least once. After you have taken your tests, there are 3 additional ways to show competency:
 - a. Demonstrate Two Career Focused Activities (at least one must be foundational)
 - i. Foundational: proficient scores on WebXams, 12-point industry credential, A pre-apprenticeship or acceptance into an approved apprenticeship program
 - ii. Supporting: Work-based learning, Earn the required score on WorkKeys, Earn an Ohio Means Jobs Readiness Seal
 - b. Enlist in the Military: Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation.
 - c. Complete College Coursework: Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.
3. Earn 2 graduation seals, one of which must be state defined

Ohio Means Jobs Readiness Seal (state)	Honors Diploma Seal (state)
Industry Recognized Credential Seal (state)	Seal of Biliteracy (state)
College-Ready Seal (state)	Technology Seal (state)
Military Enlistment Seal (state)	Community Service Seal (local)
Citizenship Seal (state)	Fine and Performing Arts (local)
Science Seal (state)	Student Engagement Seal (local)

*For a description of each of the seals and their requirements, please visit the Ohio Department of Education website.

A diploma will not be issued nor will a student be permitted to participate in commencement exercises until both the credit requirement and the state defined requirements are met.

In addition, to go through commencement, a student must be considered a full-time student at Covington High School and attend school throughout the year that they are to graduate. If there is a medical reason or a family emergency as to why attendance is not possible, and a request is made in writing, the principal can waive the requirement.

Grade Level Requirement

At Covington High School, the grade level of students is determined by the number of years attending high school. Specifically, a first-year student at the high school would be considered a freshman; a second-year student, a sophomore; a third-year student, a junior; a fourth-year student, a senior. A student attending beyond a fourth year will be defined as a "senior" but will not be included in the rank of the graduating class of the fourth-year students.

Special consideration to the above language may be given as deemed necessary by the administration.

Student Course Load

Students are required each term to take a minimum of five academic units of coursework. However, students will not be permitted more than one study hall per semester, unless they are participating in a specialized program requiring an alternative schedule. A student taking only CCP classes needs to maintain full time student status (at least 12 credit hours) each semester.

Health and Physical Education

Physical education is required in the 9th and 10th grades. A physically handicapped student will be excused from the traditional physical education curriculum upon presentation of a written statement from a physician. An alternate curriculum will be arranged.

Health is a required course in the 9th or 10th grade. Students who wish to enroll in health during any other grade must have the approval of the principal and school counselor.

Students may meet the requirements of two (2) semesters of PE by participating in and completing two (2) seasons of sports, cheerleading, or marching band. An injury, illness, suspension, or athletic

suspension may cause a season to not count towards the PE requirement. The two (2) seasons do not have to be in the same school year. There are no provisions for being exempt from one semester of PE. This is an all or nothing option. Other courses must be taken to replace the .5 credit typically earned through PE.

Covington's policy mandates that if a student has not met the alternative requirements by the beginning of their junior year, the student will be placed in the PE classes needed for graduation to avoid possible scenarios that would delay graduation. Further, students thinking of going to the UVCC are highly encouraged to fulfill the requirements for PE by the end of their sophomore year, as the UVCC does not offer PE class.

Granting of Diplomas

Students who fulfill the requirements for graduation any time after the May/June commencement, will receive a diploma after proof of successful completion of credits is received by the school. Any enrolled student for the current school year who has fulfilled all requirements for graduation may participate in the commencement exercises unless otherwise denied by the high school principal or superintendent of schools. Students meeting the established criteria set by the Ohio Department of Education may be granted a diploma with honors.

Early Graduation

Any pupil who desires to graduate in less than the four years of regular attendance shall comply with all the basic graduation requirements, and, in addition, shall comply with the following:

1. A written request for early graduation - on a form available from the principal - must be made by the parents or guardians to the principal.
2. A conference must be held with the parents, counselor, and the principal. During the conference with parents, the following will be discussed:
 - a. Advantages/disadvantages of early graduation
 - b. Securing assurance that parents understand the student's plans
 - c. Participation in Commencement ceremonies
 - d. Participation in organizations, school activities, and athletics
 - e. Deadlines, exams, grades, etc.
3. A student must declare his/her intention to graduate early before the end of the first full week of school of the year in which graduation is being considered.
4. If the request is approved, the student will continue to be considered a *junior* until the end of the 3rd grading period. At that time, if the student is on track to graduate, he/she will be promoted to *senior* status.

Any student wishing to graduate at mid-year (end of the first semester) will not receive a diploma until the end of the school year.

College Preparatory

This program is recommended for all students definitely planning college entrance. Any student who has chosen a particular college or university should investigate its entrance requirements and prepare for admittance. Colleges and universities are rapidly changing their entrance requirements, evaluating both scholarship and coursework taken. However, great differences in requirements still exist.

Many major Ohio public universities endorse the following courses as the minimum core for college preparation: English - 4 units; math - 4 units; science - 3 units; foreign language - 2 units; and fine arts - 1 unit. To enhance chances for admission, students are encouraged to take the most rigorous curriculum available at CHS.

Suggested Program– College Prep

Grade 9	Credit	Grade10	Credit
CP English 9	1	CP English 10	1
Algebra 1 or Accelerated Geometry	1	Acc. Geometry or Acc. Algebra 2	1
Accelerated Biology or Biology	1	Chemistry	1
World Studies (CCP option)	1	American History (CCP option)	1
Physical Education	.25	Physical Education	.25
Health	.5	Foreign Language	1
Foreign Language	1	Fine Art	1
Electives	1-2	Electives	1-2
Grade 11	Credit	Grade 12	Credit
CCP English or Literature	1	CCP English or Literature (AP® option available)	1
Acc. Algebra 2 or Precalculus	1	Statistics,Precalculus, Calculus (CCP and AP® options available)	1
Physics, Anatomy, or Biology 2	1	Advanced Science, Anatomy, or Biology 2	1
American Government (CCP option)	1	Social Studies Elective	1
Foreign Language	1	Electives	2-3
Electives	2-3		

Refer to the list of electives to complete your schedule. Also, a fine arts credit and a course with the financial literacy content are included in graduation requirements.

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General Academic Program

When planning your course of study for each year, be sure you review the requirements for graduation to assist you in making course decisions. Taking this suggested program does not exclude anyone from college entrance requirements.

Suggested Program– General Academic

Grade 9	Credit	Grade10	Credit
CP English 9	1	CP English 10	1
Applied Algebra or Algebra 1	1	Algebra 1 or Geometry	1
Biology	1	Physical Science or Chemistry	1
World Studies	1	American History	1
Physical Education	.25	Physical Education	.25
Health	.5	Fine Art	1
Financial Literacy Requirement	.5-1	Electives	1-2
Electives	1-2		
Grade 11	Credit	Grade 12	Credit
American Literature	1	British Literature	1
Geometry, Algebra 2, or Math Modeling & Reasoning	1	Algebra , Math Modeling & Reasoning, or Statistics	1
Biology 2, Anatomy, or Chemistry	1	Social Studies Electives	1
American Government	1	Electives	3-4
Electives	3		

Refer to the list of electives to complete your schedule.

Upper Valley Career Center

The number of credits required for acceptance into UVCC is seven. It is important to earn core course credits especially, as the UVCC requires these for admission. Students are recommended to complete their health, physical education, financial literacy, and fine arts requirements as UVCC does not offer these courses.

Minimum Program–UVCC

Grade 9	Credit	Grade10	Credit
CP English 9	1	CP English 10	1
Applied Algebra, Algebra 1, or Accelerated Geometry	1	Algebra 1, Geometry, Accelerated Geometry, or Accelerated Algebra 2	1
Biology	1	Physical Science or Chemistry	1
World Studies	1	American History	1
Physical Education	.25	Physical Education	.25
Health	.5	Fine Art	1
Financial Literacy Requirement	.5-1	Electives	1-2
Electives	1-2		

College Credit Plus Program

Ohio HB 487 initiated a program in the 2015-2016 school year called College Credit Plus (CCP), whereby each public high school must design multiple opportunities for students to earn transcribed college credit during their high school experience from at least one partnering institution of higher education (IHE).

CCP is open to students in grades 7-12 . Students may not exceed 30 transcribed hours in one year or 120 transcribed hours total. Specific planning requirements, grade requirements, and testing requirements may be required before participation. These requirements will be conveyed through an annual meeting prior to mid-February of the school year preceding the intended year of participation.

College Credit Plus Courses offered at CHS vary from year to year. For the 2025-2026 school year the following courses will be offered for college credit:

CCP Classes Offered at Covington High School*

Covington Class	Grade	Term	Teacher	Edison Course	Credit Hours
English Composition 1	11 & 12	Full Year	Schmitz	ENG 121s	3
English Composition 2 (taken with ENG 123)	12	Full Year	Schmitz	ENG 122s	3
Intro to Literature (taken with ENG 122)	12	Full Year	Schmitz	ENG 123s	3
Statistics	11 & 12	Full Year	Hausfeld	MTH 125s	3
Pre-Calculus	11 & 12	Full Year	Hausfeld	MTH 128s	5
Calculus	12	Full Year	Iddings	MTH 221s	5
American History	10	Full Year	Cantrell	HST 122s	3
American Government	11	Full Year	Cantrell	PLS 121s	3
Ancient Greece (offered in even years)	11 & 12	Fall	Cantrell	HST 127s	3
Introduction to Psychology	11 & 12	Fall	Langston	PSY 121s	3
World Studies	9	Full Year	Langston	HST 126s	3
Computer Concepts & Applications	9-12	Fall/Spring	Brookhart	CIS 110s	3
Personal Finance	9-12	Fall/Spring	Brookhart	FIN 116s	3

*This list is subject to change.

Each year, further courses are considered; that information will be communicated to students as determined.

For further clarification, two examples of possible pathways using the CCP program have been provided on the following page.

Examples of Career Pathways using CCP

I want to be a Physical Therapy Assistant



High School Plan

- 4 years of CP English (CCP 3 hours with ENG 121S)
- 4 years of CP math including CCP Pre-Calculus (5 hours) and CCP Calculus (5 hours)
- 3 years of CP science, including chemistry and anatomy/physiology
- 3 years of CP social studies including CCP psychology (3 hours)
- CCP Computer Applications (3 hours)
- Remaining graduation requirements at CHS



Pursue Physical Therapy Assistant Degree at Edison after graduation

- Plan above allows student to complete 9 hours specific to the program (out of 69.5) prior to high school graduation
- Student may then opt to transfer and pursue a Bachelor's Degree beyond Edison; other hours may count toward that program.

I want to pursue an associates in Business



High School Plan

- 4 years of CP English including CCP Composition I (3 hours)
- 4 years of CP math including CCP General statistics (3 hours)
- 3 years college prep science
- 3 years of CP social studies including CCP Government (3 hours) and CCP psychology (3 hours)
- CCP Computer Applications (3 hours)
- CCP Business courses including CCP Intro to Business (3 hours) and CCP Marketing Principles (3 hours)
- Remaining graduation requirements



Pursue a General Business Studies Degree at Edison after graduation

- Plan above allows student to complete approximately $\frac{1}{3}$ of the program prior to high school graduation depending on the electives they opt to take
- Student may then opt to transfer and pursue a Bachelor's Degree beyond Edison; other hours may count toward that program.

Career Technical Education

The Career Technical Education programs are additional pathways in which students can earn credit toward semester or transfer hours through either CTAG's or articulated agreements with local universities. CTAG's are credits that can be directly earned from a university where their courses align exactly with the course offered at CHS. Articulated agreements are formal contracts between local universities and career tech programs documenting the transfer policy requirements, which may require that the student earn a particular percentage on the End of Course examinations (WebXam). Both have the potential for students to earn college credits if students meet the agreed upon conditions.

CHS offers CTE courses in two departments:

- **Agriculture Education:** Agriculture Food and Natural Resources (AFNR); Livestock Selection, Nutrition, and Management; Mechanical Principles; Business Management for Ag and Environmental Systems; and Ag and Environmental Systems Capstone
- **Pre-Engineering:** Adv. Design and Modeling; Adv. Robotics; Introduction to Engineering; Engineering Principles

CTE courses also may be used toward some of the alternate pathways for graduation

Registered Pre-Apprenticeship Program

Prerequisite: Course requirements vary depending upon partner employment

Credits: 3

Eligible Students: Senior; must be approved by administration to participate

Description: The Registered Pre-Apprenticeship programs are additional pathways in which students gain career readiness and trade skills through local employment with one of three partners in either: Information Technology or Manufacturing. Each of these have the potential for students to gain work-related skills during paid employment *if students meet the agreed upon conditions in the Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Operating Plan approved Ohio Job and Family Services*. Students will be subject to employment screening as determined by the employment partners to qualify for a Pre-Apprenticeship. Once accepted, students in this program will attend scheduled courses at the high school for part of the day, and work at least 12 hours weekly for the employment partner to maintain eligibility. Students in this pathway may qualify to use alternate graduation pathway requirements. Acceptance into a registered pre-apprenticeship program guarantees and Apprenticeship with the employment partner after the completion of high school.

CHS offers employment partnership in 3 areas (dependent on availability of positions):

- **Manufacturing:** Perrigo, Inc. located in Covington
- **Information Technology:** Marias Technology located in Covington

Courses Available

(By grade level and course units awarded; see course description section for update per academic year)

Language Arts	Credit	Business/Technology	Credit
CP English 9	1	Intro to Business – 9-12	.5
CP English 10	1	Management Principles – 10-12	1
British Literature – 11, 12	1	Entrepreneurship – 10-12	1
American Literature – 11, 12	1	Accounting I – 10-12	.5
AP [®] English Literature	1	Accounting II – 10-12	.5
CCP English Comp 1 (ENG 121)	1	Sports & Entertainment Marketing – 10-12	1
CCP English 2 (ENG 122, ENG 123)	2	Web Design – 10-12	.5
Public Speaking – 11, 12	.5	Programming – 10-12	.5
Writing Workshop – 11, 12	.5	Digital Graphic Design – 9-12	.5
Yearbook – 9-12	1	Digital Media – 10-12	.5
		Computer Applications (CCP Option) 9-12	.5/1
		Personal Financial Management (CCP Option) 9-12	.5/1
Foreign Language	Credit	Fine Arts	Credit
Spanish I – 9-12	1	Intro to Art – 9-12	1
Spanish II – 10-12	1	Drawing & Painting I & II – 10-12	.5/.5
Spanish III – 11-12	1	3-Dimensional Art – 10-12	.5
Spanish IV – 12	1	Art of Crafts – 10-12	.5
Mathematics	Credit	Senior Art Studio – 12	1
Algebra I – 9-11	1	Chorus – 9-12	1
Algebra I Support – 9-11	1	Band – 9-12	1
Geometry – 9-12	1		
Accelerated Geometry – 9-12	1	Pre-Engineering	Credit
Algebra II – 10-12	1	Adv. Design and Modeling – 9-10	.5
Accelerated Algebra II – 10-12	1	Adv. Robotics - 9-10	.5
Math Modeling & Reasoning–11,12	1	Introduction to Engineering – 9-12	1
Statistics (CCP Option) – 11, 12	1	Engineering Principles – 10-12	1
Pre-Calculus (CCP Option) – 11, 12	1	Digital Electronics - 10-12	1
CCP Calculus – 12	1	Engineering Capstone - 12	1
AP [®] Calculus – 12	1		
Sciences	Credit	Agriculture	Credit
Physical Science – 9, 10	1	Ag Food & Natural Resources – 9-12	1.25
Biology – 9, 10	1	Mechanical Principles – 10-12	1.25
Accelerated Biology – 9, 10	1	Livestock Selection/Nutrition/Management – 10-12	1.25
Biology II – 11, 12	1	Ag Business Management – 10-12	1.25
Anatomy – 11, 12	1	Ag & Environmental Systems Capstone – 12	1.25
Chemistry – 10-12	1		
Physics – 11, 12	1	Health & Physical Education	Credit
Advanced Science – 12	1	Health – 9, 10	.5
		Physical Education – 9, 10	.25
Social Studies	Credit	Conditioning I – 11, 12	.5
World Studies (CCP Option) – 9-12	1	Conditioning II – 11, 12	.5
American History (CCP Option – 10, 11	1		
US Government (CCP Option) – 11, 12	1		
Sociology I – 11, 12	.5		
World Religions – 11, 12	.5		
Psychology I (CCP Option) – 11, 12	.5		
American Civil War – 11, 12	.5		
Ancient Greece (CCP Option) – 11, 12	.5/1		
Sports & Cultural History – 11, 12	.5		

Course Descriptions by Departments

Language Arts

College Prep English 9 – One year – 1 credit

This is a required course for freshmen. Conventions of writing and English language, foundational literature, composition, standard usage, speech, and other areas of communication will be covered.

College Prep English 10 – One year – 1 credit

This is a required course for sophomores. Conventions of writing and English language, foundational literature, composition, standard usage, speech and other areas of communication will be covered.

British Literature – One year – 1 credit; offered only in odd year (2023-2024)

This or CCP English 11 or 12 is a required course for juniors and seniors. Emphasis will be placed on British literary analysis and various writing styles. A review of other grammar, standard usage, speech composition, and other areas of communication will be done.

American Literature – One year – 1 credit; offered only in even years (2024-2025)

Emphasis will be placed on American literary analysis and various writing styles. A review of other grammar, standard usage, speech composition, and other areas of communication will be done. This or CCP English 11 or 12 is a required course for juniors and seniors.

English Composition 1 – One year – 1 credit; college credit for ENG 121S available through Edison State Community College

Emphasis will be placed on American literature and research writing. A review of other grammar, standard usage, speech composition, and other areas of communication will be done. This is a required course for all juniors.

English Composition II & Intro to Literature – One year – 2 credits (each course will receive 1 credit); college credit for ENG 122 and ENG 123 available through Edison State Community College

Students will expand their writing skills by writing expository papers and creative writing projects as is done in the freshman composition classes in college. Students will also study and discuss a variety of classic literature: novels, plays, stories, and poems with an emphasis on British literature. Additional independent reading and writing projects will be required.

AP® English Lit and Composition – One year – 1 credit

Prerequisite: CP English 11. Entrance by recommendation of department only.

This course is recommended for the college bound seniors who want to be challenged. Students will expand their writing skills by writing expository papers and creative writing projects

as is done in the freshman composition classes in college. Students will also study and discuss a variety of classic literature: novels, plays, stories, and poems with an emphasis on British literature. Independent reading and writing will be required. Students may elect to take the advanced placement test at the conclusion of the course. Students are responsible for the cost of the exam. The exam will allow students to receive college credit for the course taken at Covington High School.

Language Arts Electives

Public Speaking – One Semester – .5 credit

This course is open to juniors and seniors; Prerequisite: C or better in previous English courses and department approval; This course does not qualify as an English credit for graduation.

This course is an introduction to speech communication which emphasizes the practical skill of public speaking, including techniques to lessen speaker anxiety, and the use of visual aids to enhance speaker presentation. Civility and ethical speech-making are the foundation of this course. Its goal is to prepare students for success in typical public speaking situations and to provide them with the basic principles of organization and research needed for effective speeches.

Writing Workshop – One semester – .5 credit

This course is open to juniors and seniors; Prerequisite: C or better in previous English courses and department approval; this course does not qualify as an English credit for graduation.

Writing Workshop will focus on the process of producing quality writing pieces (short stories, poems, instructions, research, etc.). We will focus on a workshop atmosphere with extensive revision of students' writing. Students will learn to give meaningful feedback to other writers as well as identifying and problem-solving issues in their own work. At the end of the semester, each student will compile a portfolio of their best work and reflect on their progress as a writer according to the standards and benchmarks.

Yearbook – One year – 1 credit

Prerequisite: Grades 10-12: application completed (first year only, unless returning student), average grade of B or better in English courses, computer/keyboarding experience preferred.

Note: Priority will be given to students repeating the course over new applicants; class size not to exceed 15 students. Credit does not count towards state or district graduation requirements.

In this cross curricular, project-based class, students work collaboratively by using technology such as digital cameras, photo editing software, word processing, and online design software to digitally produce the Covington High School 9-12 *Buccaneer* yearbook.

Students use writing skills, communication skills and creativity to tell the story of the school community and peers in an engaging way. Students demonstrate knowledge of graphic design and think creatively when organizing information within the yearbook. In this college and career ready course, which has the benefit of meeting many English content standards,

students think critically to meet deadlines, track goals and utilize various strategies to market and disseminate information that aligns with, and models, an actual business.

World Language

Spanish I – One year – 1 credit

Spanish I is for any high school student interested in learning the Spanish language and culture. Students are encouraged to speak Spanish from the start. In addition to verbal skills, time is spent on grammar, listening skills, culture and history. The student will learn about Spanish speaking countries and their customs. A strong English background is a benefit to students in Spanish.

Spanish II – One year – 1 credit

Prerequisite: Spanish I and the recommendation of the department.

Spanish II builds on the language skills learned in Spanish I. This class continues to study Spanish grammar. More emphasis is placed on communication skills. The students will do more reading, writing and speaking in Spanish.

Spanish III – One year – 1 credit; college credit for SPN 2010 available through Wright State University

Prerequisite: Spanish II and the recommendation of the department.

In Spanish III the students will apply the skills that they have learned the past two years. Much more time will be spent using communication skills in activities such as speeches, debates, compositions, etc. Class time will be spent discussing given topics.

Spanish IV – One year – 1 credit; college credit for SPN 2020 available through Wright State University

Prerequisite: Spanish III and the recommendation of the department.

In Spanish IV the students will continue to refine their communication skills. Assignments will include intense grammar review, reading novels, speeches, and oral presentations.

Mathematics

Mathematics is basic to science, in many professions, in industry, and in business. In some of these, a deep understanding of mathematical principles and a high degree of skill in the use of difficult processes are necessary. There is no limit to the amount of mathematics one may use in certain fields of work. The pupil who expects to enter such work will need to study all the mathematical courses that he/she can.

Algebra I – One year – 1 credit

This course is the study of the basic structures of the real number system. The course is designed to help the student learn the techniques of algebraic skills, the applications of

algebraic concepts, and the role of deductive reasoning in algebra. Students will study such topics as graphing equations, inequalities, quadratic equations, and quadratic inequalities. Other topics include exponent functions and polynomials and factoring.

Algebra 1 Support – One year – 1 credit

Algebra I Support provides intensified support for the learning of Algebra. Students enrolled in Algebra I Support will also be enrolled in Algebra. The goal of Algebra I Support is to help the student succeed with the pace, rigor and accountability of the regular course. A student will earn a math credit for the Algebra support course along with a math credit for the regular Algebra course.

Geometry – One year – 1 credit

This is an academic course that will teach the student the basic concepts of geometry. It seeks to develop the student's appreciation of logical reasoning and a comprehensive knowledge of geometric shapes and figures. The content of the course includes a study of points, lines, planes and angles, deductive and inductive reasoning, parallel lines, polygons, congruent triangles, parallelograms, similar triangles, the Pythagorean theorem, circles, constructions, areas of plane figures, areas and volumes of solids, and coordinate geometry.

Prerequisite: Algebra I and recommendation of department.

Accelerated Geometry – One year – 1 credit

Accelerated Geometry will cover many of the same topics as Geometry, but the content will be covered at an accelerated pace. Accelerated Geometry is strongly recommended for college prep students. Students should expect to spend more out-of-class time preparing for this class.

Prerequisite: B or better in Algebra I and recommendation of department.

Algebra II – One year – 1 credit

This course is designed for students who have average or above achievement in both Algebra I and Geometry. The objectives of this course include the refinement of skills in the fundamental operations of algebra, extension of the number system including irrational and complex numbers, and additional topics fundamental to the study of advanced level mathematics.

Prerequisite: Algebra I/Geometry sequence and recommendation of department.

Accelerated Algebra II – One year – 1 credit

Accelerated Algebra II will cover many of the same topics as Algebra II, but the content will be covered at an accelerated pace. Accelerated Algebra II is strongly recommended for college prep students. Students should expect to spend more out-of-class time preparing for this class.

Prerequisite: B or better in Algebra I/Geometry sequence and recommendation of department.

Mathematical Modeling and Reasoning – One year – 1 credit; Prerequisite: Must be recommended by the department

This course is intended for a student who needs a third or fourth math credit and is not intending to pursue a career that requires calculus. This course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. It is a yearlong course taught using student-centered pedagogy

Statistics – One year – 1 credit at Covington High School; college credit for MTH 125S through Edison State Community College optional

This course is designed for students who have average or above achievement in Algebra II. Probability as well as statistical characteristics of data will be discussed. Many real-life applications will be examined by discussing activities based upon realistic data sets. This course will place strong emphasis on conceptual understanding and is intended to help students apply a broad sense of statistical techniques.

Prerequisite: B or better in Algebra II or Accelerated Algebra II and recommendation of department.

Pre-Calculus One year – 1 credit at Covington High School; college credit for MTH 128S through Edison State Community College optional

This is an academic course designed to prepare the student for college level work in math and science. Half of the course will start with a study of trigonometry including circle trigonometry with reference angles, graphs of the six trig functions, the laws of sines and cosines, right triangle trig, identities, and trig equations. The class will also include a study of methods for determining roots of polynomial equations. The other half of the course will address advanced content in number and quantity, algebra, functions, geometry, statistics and probability, and/or the conceptual underpinnings of calculus.

Prerequisite: C or better in Algebra II or Accelerated Algebra II and recommendation of Department.

CCP Calculus – One year – 1 credit; college credit for MTH 221S through Edison State Community College

Introduction to differential and integral calculus. Includes differentiation and integration of algebraic and transcendental functions with applications to science and engineering.

AP® Calculus – One year – 1 credit

This is an academic course designed for college bound seniors interested in math, science, or business. This course includes a study of functions, limits, derivatives, and integrals.

Applications of differentiation and integration, as well as other advanced mathematics topics will be discussed. Students will be expected to express their understanding analytically, numerically, graphically, and verbally. Students enrolled in this class are encouraged to take the advanced placement test at the conclusion of the course. Students are responsible for the cost of the exam. The exam will allow students to receive college credit for the course taken at Covington High School.

Prerequisite: B or better in Pre-Calculus and recommendation of department.

Sciences

Accelerated Biology – One year – 1 credit

The students will gain in-depth knowledge and be able to apply that knowledge in the areas of the study of living things, the cell, the continuity of life, the diversity of life, and the five-kingdom system of classification. The student will gain laboratory experience in all of the areas listed above.

Biology – One year – 1 credit

Students, through the use of lectures, labs, and hands-on activities, will gain knowledge of the kingdoms of life and how the organisms on Earth interact with each other and their environments. Taxonomic relations among groups of organisms and the properties of ecology will be featured in this course.

Physical Science – One year – 1 credit

This course introduces the general principles of physics, chemistry and the universe. Topics include measurement, motion, Newton's laws of motion, momentum, energy, work, power, heat, thermodynamics, waves, sound light, electricity, magnetism, chemical principles, history of the universe, galaxy and star formation. Upon completion, students should be able to demonstrate an understanding of the physical environment and be able to apply the scientific principles to observations experienced. This course includes concepts of chemistry and physics that apply to real-world situations; laboratory work reinforces the principles discussed in lecture.

Chemistry – One year – 1 credit

Chemistry is the study of the structure, composition, and properties of substances and the changes they undergo. Students will be introduced to Organic, Inorganic, Physical, and Analytical Chemistry. Additional emphasis will be placed on the identification of substances and the qualitative and quantitative determination of the composition of materials. Furthermore, students will gain direct hands-on experience through a variety of laboratory experimentation. Calculators necessary.

Prerequisite: B or better in Biology; currently taking *Accelerated Geometry* or *Algebra II* and recommendation of the department.

Anatomy – One year – 1 credit

This course is the study of the structure and function of the human body. The students will gain knowledge in the areas of organization of the human body, principles of support and movement, control systems of the body, maintenance of the human body, and continuity of the human body. Further knowledge, in all of the above areas, will be gained through laboratory experience.

Prerequisite: Two years of science, one of which is Biology. Grade requirement of C or better

and/or recommendation of the department.

Biology II – One year – 1 credit

This course will investigate the principles of ecology, including the biosphere and the interactions of ecosystems. This course will also focus on the diversity, structure and function, growth, reproduction, and response of plants and animals. There will also be an introduction to human biology.

Prerequisite: Two years of science, one of which is Biology and recommendation of the department.

Physics – One year – 1 credit

Physics is a study of energy and of the laws and principles underlying its behavior. There are many kinds of energy and forces discussed in this course. Among them are gravity, mechanical energy, heat, light, sound, electricity and magnetism. Gravitational forces are studied in detail. Further studies are made of the nature of light, heat, and sound as well as of electricity and magnetism and of the application of the scientific principles involved to the practical uses of these forces.

Prerequisite: B or better in Chemistry; currently taking Pre-Calculus or Calculus; and recommendation of the department.

Advanced Science – One year – 1 credit

Advanced Science is an in-depth study of Chemistry and Physics. The course will be split into a Chemistry semester and a Physics semester. Chemistry studies will include stoichiometry, reactions, reaction kinetics, equilibrium, acids and bases, and finish with a brief introduction into organic chemistry. The Physics portion studies will include optics, electricity/circuits and projects to explore various aspects of forces and motion.

Prerequisite: B or better in Physics and recommendation of the department.

Social Studies

World Studies – One year – Each semester is worth .5 credit–Offered as a CCP course for HST 126S through Edison State Community College

This course will complete the chronological study of world history from the enlightenment to the present by integrating the following topics: people in societies, geography, economics, government, citizenship rights and responsibilities, social studies skills and methods.

American History – One year – 1 credit Offered as a CCP course for HST 121S through Edison State Community College

The course is a study of the history of the United States from Reconstruction to the present. Emphasis will be placed on the following areas: Reconstruction, development of transportation and industry, the Progressive Era, development of America as a world power,

Great Depression, New Deal program, the Cold War, Civil Rights, the space program, and cultural changes.

American Government – One year– 1 credit Offered as a CCP course for PLS 121S through Edison State Community College

The essential aim of this full year course is to develop well informed, thoughtful, interested, and active citizens. Students will understand how our government works at the federal, state and local levels. Students will explore the foundations of our government from a historical perspective and learn how the government has changed overtime. Students will learn the government's role within the economy and the course will also cover the elements of personal finance required for high school graduation. Students will use primary and secondary sources to analyze our government system. The importance of civic participation will also be stressed.

World Religions: One Semester – .5 credit (Juniors & Seniors Only); offered in odd years (2025-2026)

This course is an introduction to the academic study of religion and of the religions of the world today. The course examines the historical evolution, fundamental doctrines, beliefs, practices, institutions and cultural expressions of the major world religions. Students will distinguish the similarities and differences among the various religions as well as understand the uniqueness of each religion. Students will not be asked to judge or accept the beliefs of any religion, but to gain an understanding of the beliefs within the various religions.

Sociology I – One semester – .5 credit (Juniors & Seniors only); offered in odd years (2025-2026)

The course in Sociology has been designed to offer some examples of the problems sociologists study, to show the complexity of social life with its interconnections between social events or conditions, and to illustrate how sociologists seek answers. Particular attention is paid to the following topics:

- The foundations of sociological thinking and research
- The five social institutions of family, education, religion, work, and politics
- Inequality in Society

Psychology I – One semester – .5 credit (Juniors & Seniors only) – Offered as a CCP course(1 credit) for PSY 121S through Edison State Community College

This class involves a general study of human behavior and application of knowledge. Particular attention is paid to the following topics:

- Learning and Cognitive Processes
- Motivation, Emotion, and Altered States of Consciousness
- Adjustment and Breakdown
- Abnormal Psychology
- Human Relations

The American Civil War- One Semester- .5 credit (Juniors & Seniors only); offered even years (2024-2025)

This course is an in-depth look into the most important event in US history. The course covers the period leading up to the war through the start of Reconstruction. Students will learn about

the social, political, and military aspects of the war and how this event shaped the nation we live in today. Overall strategies for the North and South will be discussed in-depth as well as tactics from several specific battles.

Ancient Greece- One Semester- .5 credit (Juniors & Seniors only) or 1 credit through CCP for HST 127S from Edison Community College; offered even years (2024-2025)

This course looks at the Ancient Greek civilization from its earliest development through Rome's conquering of Greece. Students will look at the history, culture, religion (mythology) and language of the Ancient Greeks and gain an understanding of the influence that ancient Greece still has in the world today. Some of the topics to be explored are the Trojan War, Philosophy, Mythology, Alexander the Great, Athens and Sparta, and the Ancient Greek language. Students earning CCP credit will be required to complete additional research and/or projects.

Sports and Cultural History – One semester – .5 credit (Juniors & Seniors only)

Sports and Cultural History will examine the use of sports within cultures throughout most of known history. From the Roman Empire to the modern day United States, sports have always had social implications. Understanding the cultural reflections and ties that sports have had in various eras throughout history will provide a new lens of historical analysis to examine societal and cultural trends. This course will focus on sports in the ancient world, sports in medieval times, and sports in the modern world. The development of the Olympics will also be examined, as connections will be made to the modern globalized world.

Business and Technology Education

Career Connections – One semester – .5 credit at CHS; this course is open to freshmen and sophomores

Career Connections is a course designed to equip students with essential professional skills and prepare them for success in the workplace or postsecondary education. Aligned with the Ohio Means Jobs Readiness Seal, this course emphasizes key employability attributes such as reliability, teamwork, professionalism, and critical thinking, culminating in a capstone project to demonstrate their interdisciplinary knowledge. Through engaging activities, resume preparation, and mock interviews, students build a strong foundation for future career opportunities while earning the Ohio Means Jobs Readiness Seal.

Introduction to Business - One semester – .5 credit at CHS; this course is open to freshmen through seniors

This is the first course for the Business and Administrative services (Foundations of Business) career fields. It introduces students to specializations within the business career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics, and business relationships. Students will use technology to

synthesize and share business information. Employ-ability skills, leadership and communications, and personal financial literacy will be addressed.

Leadership Excellence - One Semester - .5 credit at CHS; this course is open to freshmen through seniors

This course provides students with an introduction to Lean Six Sigma principles, focusing on leadership skills and process improvement strategies. Through interactive lessons, case studies, and practical applications, students will learn to identify inefficiencies, enhance quality, and drive organizational excellence. The curriculum is designed to mirror the learning experience of professional Lean Six Sigma training, equipping students with tools to solve real-world problems, lead effectively, and pursue future certifications in Lean Six Sigma methodologies. Ideal for aspiring leaders, this course sets the foundation for success in business and operations management.

Personal Financial Management - One semester – .5 credit at CHS; this course is open to freshmen through seniors; offered as a CCP course for FIN 116s from Edison State Community College.

In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing, and risk management.

Sports & Entertainment Marketing – One year - 1 credit at CHS; this course is open to sophomores through seniors,

This course introduces students to the specialization offered in Marketing through hands-on simulations. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling as it relates to the sports and entertainment industries. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business.

Prerequisite: Introduction to Business

Management Principles- One year- 1 credit at CHS; this course is open to sophomores through seniors

Students will apply management and motivation theories to plan, organize, and direct staff toward goal achievement. They will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management and strategic planning will also be addressed.

Prerequisite: Introduction to Business

Entrepreneurship - One year – 1 credit at CHS; this course is open to sophomores through seniors

Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, and create business plans. Students will take steps to establish a business.

Prerequisite: Introduction to Business

Accounting I - One semester – .5 credit at CHS; this course is open to sophomores through seniors; ge. Students will learn how to keep track of accounting records for a sole proprietorship and a partnership. This process will be done manually which helps students to understand all the concepts of the accounting cycle. Even though a student may not be interested in an accounting career, this course will help them to understand how a business operates and knowledge needed in the field of business.

Accounting II - One semester – .5 credit at CHS; this course is open to sophomores through seniors. This course introduces students to automated accounting which is usually used in today's business world. They will experience how to keep records for a business using an online program. All the skills learned in Accounting I will be applied.

Prerequisite: Accounting I

Computer Applications-One semester- .5 credit at CHS: this course is open to freshman through seniors; college credit for CIS 110S through Edison Community College optional (CCP earns 1 full credit)

This course covers the uses of word processing, spreadsheet, database and graphics applications software. Students will also explore the desktop personal computer with an emphasis on the practical application of software and gain an understanding of security and ethical issues related to the use of the computer.

Web Design- One semester – .5 credit at CHS; this course is open to sophomores through seniors

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

Suggested Prerequisite: Computer Applications

Programming-One semester – .5 credit at CHS; this course is open to sophomores through seniors

In this course, students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic

solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications

Suggested Prerequisite: Computer Applications

Digital Media- One semester – .5 credit at CHS; this course is open to sophomores through seniors; can be taken more than once

This course focuses on creating original content for digital publication. It introduces students to the technology of digital video production and the process of constructing and publishing news articles for the local paper. The class focuses on learning how to identify and write basic news articles, fundamentals of video production, including the techniques and the aesthetics of shooting, lighting, and editing. Students will complete writing and production exercises in dramatic, informational, documentary and public service announcements. Some previous technology skills are required. The class emphasizes hands-on production experience. The students will learn about the major functions of news articles, including basic news writing, layout and design, and editing. The students taking this course should be above average writers with at least average computer skills.

Prerequisite: Instructor Approval

Digital Graphic Design- One semester – .5 credit at CHS; this course is open to freshmen through seniors

Students in this course will learn techniques for transforming photographic images, through use of digital cameras, computers, and mobile devices. To accomplish this, they will learn software photo editing techniques including layering, color correction, masking, and special effects.

Business Professionals of America (BPA): Student must be enrolled in at least one business course each year that they are an active member in BPA. As a co-curricular organization, Business Professionals of America has the ability to enhance student participation in professional, civic, service and social endeavors. Business Professionals of America members participate in these activities to accomplish their goals of self-improvement, leadership development, professionalism, community service, career development, public relations, student cooperation, safety and health.

Fine Arts

Art education should provide students with opportunities to develop increased vision and awareness of form in their environment, a means of positive self-expression, and an appreciation for all forms and styles of artistic expression. Through exploring a wide variety of materials and study of various periods of art history, the students of Covington High School will be encouraged to have an active participation in the visual arts.

Introduction to Art - One year – 1 credit at CHS

Introduction to Art presents a series of beginning art experiences and reinforces the basic Elements and Principles of Art. Various artists, styles, and careers will be explored and discussed. Drawing media, painting media, mixed media, and three-dimensional arts will be the core of this introductory art course.

Drawing & Painting I - One semester – .5 credit at CHS; this course is open to sophomores through seniors

This course is open to students who enjoy two-dimensional work. Emphasis is placed on developing basic drawing and painting skills and techniques. A variety of media will be used including: drawing pencils, pastels, charcoal, watercolors, and opaque media. The fundamentals of composition as found in the elements and principles of design will be used when drawing and painting from life and imagination, using realistic and abstract themes.

Prerequisite: Introduction to Art

Drawing & Painting II - One semester – .5 credit at CHS; this course is open to sophomores through seniors

This course is open to all students in grades 10-12 who want to advance their skills and techniques in various drawing and painting topics and media. Students may work with advanced media such as conte, pen and ink, oils, graphite stick, colored pencil, watercolors, acrylics, and mixed media while being encouraged to develop their own expression and style.

Prerequisite: Drawing & Painting I or teacher recommendation

3 Dimensional Art (3D) - One semester – .5 credit at CHS; this course is open to sophomores through seniors

3 Dimensional art is designed to acquaint students with art elements and principles in the area of 3-dimensional design. This course engages in sequential learning experiences that encompass art history, art criticism, aesthetics and production that lead to the production of portfolio quality works. Students search for meaning, significance and direction in their own work by producing works of art in a variety of 3 dimensional media.

Prerequisite: Introduction to Art

Art of Crafts - One semester – .5 credit at CHS; this course is open to sophomores through seniors

Art of Crafts is a craft-based art course intended for students who are interested in the creative process, but less in the technical aspects. In addition to creating functional pieces, students will learn how crafts are used and made in various cultures for hobby, expression, and utility. A variety of media and processes will be explored including: fabric dying, yarn paintings, paper quilling, and metal embossing. .

Prerequisite: Introduction to Art

Senior Studio in Art - One year – 1 credit at CHS; offered to seniors only

Senior Studio is a course for those highly interested in Art. Students will have the freedom to create projects of their choice in order to build a portfolio. They will focus on their own style and will be expected to discuss their work and the work of their peers through critiques. The workload is rigorous and the expectations are high.

Prerequisite: Drawing & Painting and 3 Dimensional Art or teacher recommendation

MUSIC DEPARTMENT

Chorus – One year – 1 credit

Choir members will study basic techniques based on posture, breathing, tone production, and pronunciation. At this level, literature focuses primarily on SA, SSA, and SATB music. Class and performance pieces will include a wide variety of cultural, secular, and popular music. High School Choir performs 4 concerts each year, including opportunities for OMEA contest or other off campus performances.

Choir is open to students in grades 9-12. Interested students must demonstrate an ability to read music, match pitch, memorize and be a part of a team.

Band – One year – 1 credit

Band is a yearlong course that is divided into two different seasons. Marching band season is August through the end of October while concert band season is November through May. Below are the descriptions of each ensemble:

The band will perform four local concerts each year in addition to OMEA contests outside of the school day that will be factored into the student's course grade. Band is open to students in grades 9-12 with permission from the director.

ENSEMBLE DESCRIPTIONS

Concert Band: The majority of the school year is devoted to our indoor Concert Band. Structured around wind band repertoire, the Concert Band studies and performs various types of music in order to further the musical comprehension of its members. Through the rehearsal of musical fundamentals and techniques, students will learn the value of implementing persistent practicing methods to further their musical knowledge. Students will perform various concerts and OMEA adjudicated competitions throughout the year, including Solo & Ensemble and Large Group District Competition in the early spring.

Marching Band: The Covington High School Band of Bucc Pride has maintained a tradition of excellence through their performances during both football games and OMEA competitions. Students create goals at the beginning of the season in order to better themselves as both individuals and as a larger group. Our mainstays every year include musicianship, clarity, precision, and attention to detail. Fundamentally a physical activity, marching band allows students to express their passion for music through both auditory and kinesthetic mediums.

Ensembles must work together to create a finely polished end product. Marching band is no exception as it promotes team building and working as a group to accomplish a unified goal.

Marching band also rehearses for a portion of the summer in order to review basic technique and to prepare the majority of the competition show.

EXTRACURRICULAR BAND ACTIVITIES

Jazz Ensemble: Prerequisite - Must be taking Band as a class, with the exception of specific rhythm section instruments.

Allowing students to be presented with the vast variety of musical genres beyond the marching and concert band settings is a main component of our Jazz Ensemble program. Jazz Ensemble is a smaller band setting where students are able to become comfortable with the musical attributes associated with jazz, such as syncopated rhythms, soloing, improvisation, and various scale systems. While there is usually a specific instrumentation for the traditional jazz ensemble, this course is open to any member of the Covington High School Concert Band.

The jazz ensemble is open to students in grades 9-12 with permission from the director.

Pep Band: Prerequisite - Must be taking Band as a class, with the exception of specific rhythm section instruments.

Basketball games wouldn't be the same without an exciting pep band. Students who participate in pep band play during basketball games throughout the season. This is a fast-paced and energetic ensemble that adds to the thrilling intensity of our basketball games. Team spirit and Buccaneer pride are easily visible within this exciting ensemble.

Pep band is open to students 9-12. It is expected that those wishing to join attend all performances.

Pre-Engineering

Pre-Engineering utilizes curriculum offered through Project Lead the Way (PLTW). PLTW Engineering is more than just another high school engineering program. It is about applying science, technology, engineering, and math through a project-based, hands-on approach to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving a problem, not on getting the “right” answer. They learn how to apply STEM knowledge, skills, and habits of mind to make the world a better place through innovation. Even for students who do not plan to pursue engineering after high school, the PLTW Engineering program provides opportunities to develop highly transferable skills in critical thinking, collaboration, and problem solving, which are relevant for any coursework or career. Pre-Engineering is a satellite program offered in partnership with Covington Exempted Village School District and Upper Valley Career Center.

Students in Pre-Engineering courses have the opportunity to earn college credit through CTAGs worth 3 semester hours accepted at most Ohio colleges and universities.

Advanced Design and Modeling – 1 semester – .5 credit at CHS; offered in odd years (2025-2026); freshmen and sophomores only; CTE Course

This advanced design course is designed for high school students to develop problem solving skills and creativity. Use of the design process will be used in a project-based classroom setting. Students will individually create a variety of projects that may include: multiple 3D prints, game design, orthographic and isometric drawings, and self-selected builds.

Prerequisite: Design and Modeling or Automation & Robotics 8

Advanced Robotics – 1 semester – .5 credit at CHS; offered in even years (2026-2027); freshmen and sophomores only; CTE Course

This advanced robotics course is designed for high school students with a strong interest in robotics, engineering, and technology. Building on foundational knowledge, students will dive deeper into the design, construction, and programming of more complex robotic systems. The course covers topics such as advanced sensors, autonomous navigation, artificial intelligence, and machine learning, with a focus on real-world applications. Students will engage in hands-on projects, working with cutting-edge robotics platforms to solve challenges and create functional robots. Through team-based projects and competitions, students will develop problem-solving, critical thinking, and collaboration skills, preparing them for future careers in robotics, engineering, and STEM fields. Students within this class will participate in VEX robotic competitions. VEX membership and class fees are required.

Prerequisite: Design and Modeling or Automation & Robotics

Introduction to Engineering – 1 year – 1 credit at CHS; CTE Course

This introductory engineering course provides students with a broad overview of the key principles and practices in various engineering fields. Students will expand on their knowledge of the engineering design process, learning how to identify problems, brainstorm solutions,

prototype ideas, and test their designs. Students will explore a variety of 3-D modeling software to complete and assist with project designs. The course includes hands-on projects in robotics, where students will build and program basic robots to complete tasks, as well as an introduction to electrical circuiting to understand the fundamentals of creating and controlling electrical systems. In addition, students will gain practical experience with civil engineering tools like ArcGIS, which is used for mapping and analyzing geographic data. Throughout the course, students will engage in real-world applications, developing problem-solving and critical thinking skills essential for success in any engineering pathway. SkillsUSA membership and class fees are required.

Engineering Principles – 1 year – 1 credit at CHS; CTE Course; offered in odd years (2025-2026)

Building on the foundation established in the Introduction to Engineering course, the Principles of Engineering course dives deeper into the core concepts and technical skills used in various engineering disciplines. Students will explore key engineering principles such as mechanics, thermodynamics, fluid dynamics, and material science, with an emphasis on real-world applications. The course will challenge students to apply their knowledge through more advanced projects involving robotics, electrical circuits, and civil engineering concepts. Students will use advanced CAD (computer-aided design) software to create and test models, learn how to analyze forces and stresses on structures, and design functional systems. Collaborative team projects and problem-based learning will help students develop essential skills in innovation, teamwork, and technical communication. This course prepares students for more specialized study in fields like mechanical, electrical, civil, or robotics engineering. Students within this class will also maintain and complete staff and school 3-D print and engraving requests. SkillsUSA membership and class fees are required.

Prerequisite: Introduction to Engineering or Design and Modeling 1 and 2

Digital Electronics - 1 year - 1 credit at CHS; CTE Course; offered in even years (2026-2027)

Building on the knowledge gained in Introduction to Engineering and Principles of Engineering, this course focuses on the fundamental concepts of digital electronics and circuit design. Students will explore the principles of binary logic, digital signals, and the design of complex electronic systems using components like transistors, logic gates, microcontrollers, and integrated circuits. Through hands-on projects, students will learn to design, build, and troubleshoot digital circuits, including creating simple microprocessor-based systems and exploring the basics of embedded systems programming. The course will also cover the use of simulation software to test and refine digital circuits before physical implementation. Emphasizing practical application, students will work on real-world projects such as designing simple robots, home automation systems, or digital communication devices. This course provides a solid foundation in digital electronics, preparing students for advanced study in electrical engineering, computer science, and related fields. SkillsUSA membership and class fees are required.

Prerequisite: Introduction to Engineering

Engineering Capstone – 1 year – 1 credit at CHS; CTE Course; Offered to seniors who have an approved work placement through Upper Valley Career Advancement Center; Instructor approval required

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and motion. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. SkillsUSA membership and class fees are required.

Agriculture and Environmental Systems Education

Agricultural Education courses make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success. Agricultural education instruction is delivered through three major components: 1) classroom/laboratory instruction (contextual learning) 2) supervised agricultural experience programs (work-based learning) and 3) student leadership organizations (National FFA Organization). The Agriculture and Environmental Systems program is a satellite of the Upper Valley Career Center. This program offers a 12- point industry Credential through Ohio Agribusiness Association for students receiving high school credit and passing WebExam in the following course: AFNR, Mechanical Principles, Livestock, and Ag Business, along with 500 documented hours of AET related to an Ag career field. Students have the option to meet the advanced science requirement for graduation if they take both Agriculture Food and Natural Resources and Livestock Selection, Nutrition, and Management.

Agricultural, Food, and Natural Resources – One year – 1.25 credits; CTE Course

This is the first course in the Agricultural and Environmental Systems career field. Students will obtain fundamental knowledge and skills in food science, natural resource management, animal science & management, plant & horticultural science, power technology and biotechnology. Students will be introduced to the FFA organization and begin development of their leadership ability. Both FFA membership and class fees are required.

Mechanical Principles- One year – 1.25 credits; CTE Course

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry, along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Prerequisite: Agricultural, Food, and Natural Resources

Business Management for Agricultural and Environmental Systems Offered in odd years (2025-2026); CTE Course

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for

new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Livestock Selection, Nutrition and Management- Offered in even years (2024-2025)—juniors and seniors only; CTE Course

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations.. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

Agricultural and Environmental Systems Capstone- Prerequisite- senior status, teacher recommendation required, AFNR. Credits vary and will be determined on individual basis; CTE Course

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

These programs are made available through the Upper Valley Career Center. The fee structures are established by them. FFA membership and class fees are required.

Health and Physical Education

Health – One semester – 1/2 credit

Health is not only keeping one's mind and body fit, but it must become a force that helps a student achieve a state of wholeness or total well-being. The health program will attempt to display a positive and active approach to encourage students to become aware of the many factors that affect their health and safety, those they can control and those that they cannot. The class should strive to help the student develop habits that will help him/her avert the possible consequences of disease as well as substance abuse. The student should become aware of available health related services and possible consequences of negligence. Through awareness, students may be able to make positive decisions toward keeping their mind and body healthy.

Students must be encouraged to ask questions, search out facts, seek available resources and analyze experiences that reflect their behavior, attitudes and general health.

Physical Education – One semester – 1/4 credit

The function of physical education lies in assisting the student to develop physically, socially, and emotionally. Therefore, we have planned skills which are useful in the present as well as the future and which are useful in social as well as physical environment settings. These skills involve both cognitive and effective competencies, including confidence and skill in decision-making, self-reliance, and self-discipline. We hope to promote, in part through physical education, positive and proper balance between individual independence and group responsibilities.

Dealing positively with stress is another area that we hope to develop through physical release in games as well as relaxation techniques.

Physical education is intended to enhance and compliment other areas of the educational system. Through physical education, we hope to be a cooperative part in the total development of the student.

PE 9,10 – Team, individual, large group, small group activities.

Fitness and Conditioning – One semester – .25 credit; students are limited to taking two semesters of this course total throughout their junior and senior years.

Students will learn the value of exercise and diet and its role in maintaining a healthy lifestyle. Particular attention will be spent in weight training and cardiovascular endurance. Students will be expected to participate and dress appropriately. Evaluations will be done through classroom participation, dress, and written tests. Enrollment will be limited, with priority given to upperclassmen.

Prerequisite: At least 1 semester of general PE, have completed the Alternative PE Waiver, or by instructor approval.

Alternative Physical Education Plan – 2 seasons – 0 credits are earned, other courses must be taken to replace the .5 credit typically earned through PE.

Students may meet the requirement for two (2) semesters of PE by participating in and completing two (2) seasons of school sports, cheerleading, or marching band. An injury, illness, school suspension or athletic suspension may cause a season not to count towards the PE requirement. Quitting a sport at any point after the official start of the season will result in the student being removed from the alternative plan and placed in PE class. The two (2) seasons do not have to be in the same school year. There are no provisions for being exempt from one semester of PE. This is an **all or nothing** option.

The requirements and options presented here are set by the Ohio Department of Education and no credits are earned through this option. Other courses must be taken to replace the .5 credit typically earned through PE.

Covington's policy mandates that if a student has not met the alternative requirements by the beginning of their junior year, the student will be placed in the PE classes needed for graduation to avoid possible scenarios that would delay graduation. Further, **students thinking of going to the Upper Valley Career Center should fulfill the requirements for PE by the end of their sophomore year, as they do not offer PE there.**

Intervention

Intervention

The intervention course will focus on study skills. The course will cover topics such as organizational skills, time management, test taking strategies, note taking, process writing, and listening skills. This will be a practical class where basic skills needed for other courses will be reinforced.

Prerequisite: Instructor recommendation.

Work Study

Work Study – Credits are earned by semester – can earn up to 1 credit per semester. The school year max 2 credits. The career max is 4 credits

Covington High School is committed to preparing all students to be college or career ready upon graduation. Each student must make his or her own decision and create an education plan which meets the goals set forth in the plan. The CHS Work Study Program can help prepare students for the world of work, earn credits towards high school graduation, and provide documentation verifying completion of the Ohio Means Jobs Readiness Seal. Students must be employed or accepted into a volunteer program and must maintain this employment throughout the semester. Permission forms must be on file with signatures from parents/guardians, job supervisor, student, and counselor. Students are required to submit proof of work hours every 2 weeks.

0-99 documented hours = 0 credits

100-199 documented hours = ½ credit

200+ documented hours = 1 credit

****Any adjustments to these criteria must have approval from coordinator and administrator**

In order to earn credit, the student must work with a mentor to complete the Ohio Means Jobs Readiness Seal and other requirements as determined by the counselor and mentor. Students must also maintain full time student status, taking 5 classes in addition to the work study program.

College Bound Student Athletes

All students who desire to play sports in college for a Division I or Division II NCAA college or an NAIA college must register with these organizations while they are in high school. Ideally, students should do this no later than their junior year, but it can be done as early as their freshman year. As this process involves some very specific, regulated steps, it is important that students and their parents consult the associated websites for these organizations to learn more about the process and college athletic eligibility.

The NCAA Clearinghouse website address is <https://web1.ncaa.org>. The NAIA website address is www.playnaia.org.

The following steps are given as guidelines for a potential college athlete; however, they do not cover all the details involved. It is important that the student athlete discusses his/her goals with the guidance counselor and the coaches in addition to completing the clearinghouse applications and viewing the relevant websites.

Juniors

*Register to take the ACT, SAT or both and use the proper eligibility center codes as a score recipient. The NCAA code is 9999; the NAIA code is 9876. Both of these organizations require test scores to be sent directly to them. They will NOT accept them on high school transcripts alone.

*Double check to make sure the courses you have taken match your school's list of approved core courses for NCAA (see course list for CHS).

*Ask your guidance counselor to send an official transcript to the Eligibility Center after the registration process. Counselors can do this electronically or by mail.

*If you have attended more than one high school or have earned college credits while in high school, the eligibility centers will need official transcripts from all educational institutions that you've attended. All transcripts must be official (no faxed transcripts will be approved).

*Before registration for classes for your senior year, double check that the student has enough core courses to meet the set requirements. If not, summer school may be needed. Also, grades and ACT scores are considered, so students want to work to get the best grades possible.

Seniors

*If taking the ACT or SAT again, be sure to include the eligibility center's code so that all scores are sent directly to them. The centers will use the best scores from each section of the ACT or SAT to determine your best cumulative score.

*Continue to take college-prep courses from the approved list and earn good grades to ensure on-time graduation (within 8 semesters).

*For the NCAA, students will need to fill out a form regarding their amateur status on or after April 1 for fall enrollees.

*After graduation, ask your guidance counselor to send final transcripts to the proper eligibility center.

*Students who attend Upper Valley Career Center should discuss their intentions to play collegiate sports with the counselor so appropriate courses are taken.

Covington High School NCAA Approved Courses

English

CP English 9	CP English 10
British Literature	American Literature
AP® English Literature and Composition	CCP English courses

Math

Algebra I	Geometry and Accelerated Geometry
Algebra II and Accelerated Algebra II	AP® Calculus
Statistics	Pre-Calculus
Math Modeling and Reasoning	

Social Studies

World Studies	American History
American Government	The American Civil War
Ancient Greece	Psychology
Sociology	World Religions
Sports and Cultural History	

Science

Biology and Accelerated Biology	Physical Science
Chemistry	Biology II
Anatomy	Physics
Advanced Science	