

Credit Requirements for Graduation

VOCATIONAL		OTHER
4 Total	<u>English</u>	4 Total
4 Total	<u>Math</u>	5 Total
3 Total	<u>Science</u>	4 Total
3 Total	<u>Social Studies</u>	4 Total
1 Total	<u>Arts/Humanities</u>	3 Total
1 Total	<u>Computer Science</u>	1 Total
2 Total	<u>Physical Education/Health</u>	2 Total
	<u>Electives</u>	3 Total
8	Vocational Credits	-
26 Credits		26 Credits

Important Note:

Any student who wishes to attend APVTS as a sophomore must have already doubled up in credits for math or science during freshman year OR commit to participate in at least one session of summer Physical Education in order to be able to meet PCSD graduation requirements.

DC = Dual Credit 1.10 GPA Grade Weighting

* = Honors Level Course 1.05 GPA Grade Weighting

Honors Level Curriculum Overview

CORE COURSES – HONORS LEVEL ALTERNATIVES

At Penn Cambria High School, all core subject courses are aligned to the Pennsylvania Academic Standards and focus on ensuring students can demonstrate proficiency in relation to these standards are required by the Pennsylvania Department of Education. All courses encourage critical thinking and an in-depth analysis of subject matter in addition to building a strong foundation. In addition, PCHS also offers an honors level alternative for the courses listed below. The primary goal of the honors level curriculum alternative for these core courses is to provide students with a more in-depth study of the concepts by deepening the academic study and incorporating more academic reading. Students in the honors level of a core course will be expected to engage in analysis, evaluation and synthesis level activities with more frequency and for a longer duration than that found in the non-honors level course.

Weighted at 1.05 for GPA unless otherwise noted

Honors English 9
 Honors English 10
 Honors English 11
 Honors English 12-DC (1.10 weight- dual credit Mt. Aloysius College)
 Honors Algebra 1
 Honors Algebra 2
 Honors Geometry
 Honors Earth and Environmental Science
 Honors Biology I
 Honors Chemistry I
 Honors Physics -DC (1.10 weight – dual credit St. Francis University)
 Honors World History
 Honors U.S. History 1
 Honors U.S. History 2-DC (1.10 weight – dual credit Mt. Aloysius College)
 Honors Government / Economics

OTHER DUAL CREDIT COURSES

The following courses are weighted dual credit courses that are offered as choices for students. These courses offer content that is ***in addition to*** our core curriculum. These courses allow students to not just deepen their academic study, but also to broaden the content that is studied. Students may elect to participate in dual credit programs for these courses.

Weighted at 1.10 GPA – Offered with dual credit options for students.

European History-DC (Mt. Aloysius College)
 Biology II -DC (Mt. Aloysius College)
 Chemistry II -DC (Mt. Aloysius College)
 Anatomy and Physiology I & II -DC-(Mt. Aloysius College)
 Trigonometry/Pre-Calculus- DC (St. Francis University)
 Calculus-DC (Mt. Aloysius College)
 Spanish 3 and Spanish 4-DC (St. Francis University)

(H) = Humanities course

CREDIT REQUIREMENTS FOR NON-VOCATIONAL STUDENTS

English (4 REQUIRED)

Honors/Academic/ English 9 : _____
 Honors/Academic/ English 10: _____
 Honors/Academic/ English 11: _____
 Honors/Academic/ English 12: _____

Math (5 REQUIRED)

HS Pre-Algebra _____
 Honors/ Algebra 1: _____
 Honors/Geometry: _____
 Honors/ Algebra 2: _____
 Acad. Math _____
 Trig/Pre-Calc: _____
 Calculus: _____
 Personal Finance (may be counted as math credit or elective) _____

Science (4 REQUIRED)

Honors/ Earth Environmental Science: _____
 Honors/ Biology 1: _____
 Honors/Chemistry 1: _____
 Honors/ Physics: _____

Social Studies (4 REQUIRED)

Honors/World History: _____
 Honors/U.S. History 1: _____
 Honors/U.S. History 2: _____
 Honors/Government-Economics: _____

Health and PE

Grade 9 PE/Health: _____
 Grade 10 PE/Health: _____
 Grade 11 PE/Health: _____
 Grade 12 PE/Health: _____

Computers

Digital Concepts 9: _____

Humanities 3 credits required: LIST

Electives – 3 credits required: LIST

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CREDIT REQUIREMENTS FOR VOCATIONAL STUDENTS

English (4 REQUIRED)

Honors/Academic/ English 9 : _____
 Honors/Academic/ English 10: _____
 Honors/Academic/ English 11: _____
 Honors/Academic/ English 12: _____

Math (4 REQUIRED)

HS Pre-Algebra _____
 Honors/ Algebra 1: _____
 Honors/Geometry: _____
 Honors/Academic Algebra 2: _____
 Acad. Math: _____
 Trig/Pre-Calc: _____
 Calculus: _____
 Personal Finance (may be counted as math credit or elective) _____

Science (3 REQUIRED)

Honors/ Earth Environmental Science: _____
 Honors/ Biology 1: _____
 Physical Science: _____

Social Studies (3 REQUIRED)

Honors/World History: _____
 U.S. History 1 – OR- US History 2 _____
 Government/Economics: _____

Health and PE

Grade 9 PE/Health: _____
 Grade 10 PE/Health: _____
 Grade 11 PE/Health: _____
 Grade 12 PE/Health: _____

Computers

Digital Concepts 9: _____

Humanities 1 credits required: LIST

Vocational Credits 8 credits required: APVTS one year = 4 credits

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English and Communication Arts

CORE CLASSES in English and Communication Arts

111 Honors English 12 DC

1 credit (GPA weight 1.10); **5 periods/week for one semester**

Prerequisite: *95% in Academic English or 93% in Honors English*

This course includes recommended summer reading.

Advanced English 12 is designed for the student with well-developed reading, writing, listening, and speaking skills. An Advanced English 12 student will be expected to complete a variety of individual reading and writing assignments and should have the ability to demonstrate critical analysis of reading selections. The focus of instruction and choice of reading materials will be centered on developing critical, analytical, and synthesis skills. Students in this course will examine world literature across genres, complete novel studies, and hone writing and speaking skills needed for college and career. Student will also demonstrate proficiency in using research to complete a persuasive project involving both a formal research paper and a formal presentation. Dual credit is offered through Mt. Aloysius College.

110 Academic English 12

1 credit; 5 periods/week for one semester

Prerequisite: *Successful completion of a junior English course*

Academic English 12 is a standards-based course that is designed to improve student proficiency in reading, writing, speaking, listening and critical thinking. Students in this course will examine world literature across genres, complete novel studies, and also demonstrate proficiency with writing and speaking skills needed for college and career. Student will also demonstrate proficiency in using research to complete a persuasive project involving both a formal research paper and a formal presentation.

108 Honors English 11 *

1 credit (GPA weight 1.05); **5 periods/week for one semester**

Prerequisite: *95% in Academic English or 93% in Honors English.*

This course includes recommended summer reading.

Honors English 11 is designed for the student with well-developed reading, writing, listening, and speaking skills. An Honors English 11 student will be expected to complete a variety of individual reading and writing assignments and should have the ability to demonstrate critical analysis of reading selections. The focus of instruction and choice of reading materials will be centered on developing critical, analytical, and synthesis skills.

107 Academic English 11

1 credit; 5 periods/week for one semester

Prerequisite: *Successful completion of a sophomore English course*

Academic English 11 is based on critical analysis of American Literature with an emphasis on Pennsylvania Academic Standards. Students will make connections among the literary works they study during reading, writing, speaking, and mixed media opportunities.

105 Honors Keystone English 10 *

1 credit (GPA weight 1.05); **5 periods/week for one semester**

Prerequisite: *95% in Academic English or 93% in Honors English. This course includes recommended summer reading.*

Honors English 10 is a more rigorous course with the same curricular focus as Academic English 10. Honors English 10 is designed for the student with well-developed reading, writing, listening, and speaking skills. An Honors English 10 student will be expected to complete a variety of individual reading and writing assignments and should have the ability to make informed, independent observations about and analyses of reading selections. The focus of instruction and on choice of reading materials will be centered on developing critical, analytical, and synthesis skills.

** This course will prepare students to take the Keystone Literature Assessment.

104 Keystone English 10

1 credit; 5 periods/week for one semester

Prerequisite: *Successful completion of a freshman English course*

The focus of this course will be using fiction and nonfiction selections to demonstrate proficient skills with regards to literature and reading. The course will also contain novel study, a research component, and independent reading.

** This course will prepare students to take the Keystone Literature Assessment.

102 Honors English Composition 9

1 credit (GPA weight 1.05); **5 periods/week for one semester**

Prerequisite: *93% or better in Grade 8 English course. This course includes recommended summer reading.*

Honors English 9 is a more rigorous course with the same curricular focus as Academic English 9. An Honors English 9 student will be expected to complete a variety of individual reading and writing assignments and should have the ability to make informed, independent observations about and analyses of reading selections. Students should have achieved mastery of basic grammar skills, as the focus of writing instruction will be centered on developing critical, analytical, and synthesis skills.

101 Academic English Composition 9

1 credit; 5 periods/week for one semester

Academic English 9 provides an emphasis on formal, academic writing skills that are necessary to prepare students for college or career-readiness. In addition, the course will include a novel study and a study of drama through *Romeo and Juliet*. An introduction to research is presented with focus placed on the mechanical construction of a career research paper in MLA format and a formal presentation to develop public speaking skills.

**ELECTIVES in English and Communications
(offerings dependent upon sufficient enrollment)**

121 Modern Communications: Social Communication (H)

½ credit; 5 periods/week for one quarter

Modern Communications: Social Communication will focus heavily on everyday interpersonal and social communication skills. In this course, students will learn and apply a variety of real-world communication skills including nonverbal communication skills, small group communication, presentation skills, listening skills, social writing skills, critical reading skills, and online and social media communication skills.

122 Modern Communications: 21st Century Workplace Communication (H)

½ credit; 5 periods/week for one quarter.

Modern Communications: 21st Century Workplace will focus heavily on career and workplace communication skills. In this course, students will learn and apply a variety of real-world communication skills both online and face-to-face including interpersonal skills, graphical communication, team communication, online modes of communication, communicating expectations, and accepting critical feedback.

123 Modern Communications: Social Communication & 21st Century Workplace Communication (H)

1 credit; 5 period/week for one semester

Scheduling Note: Students may not have previously taken Social Communication or 21st Century Workplace Communication

This course is a one credit elective combining the Social Communication & 21st Century Workplace Communication ½ credit courses above.

968 Public Speaking (H)

1 credit; 5 periods/week for one semester

Scheduling Note: Offered every other year (planned for 24-25)

Students will explore a variety of speech genres, original as well as published, to develop the fundamentals of public speaking. These include, but are not limited to: using basic verbal and nonverbal techniques, speech topic selection, writing an attention-getting opening, organization of ideas, using supporting materials, relating to the audience, creating and using effective visual aids, rehearsing strategies, and various relaxation techniques to overcome nervousness. The speaking techniques learned in this course will help the student to gain confidence in front of an audience and will benefit the student in a variety of everyday, real-world situations.

969 Creative Writing (H)

1 credit; 5 periods/week for one semester

Scheduling Note: Offered every other year (planned for 25-26)

Creative Writing focuses on the four-step process writing model and the reading of professional writings to motivate students to create original essays, poems and short stories. The writing assignments include narration and exposition. Students practice self-editing skills by following the instructor's detailed suggestions for the revision and refinement of their work.

970 Journalism / Yearbook (H)

1 credit ; 5 periods/week for one semester

The Journalism/Yearbook course will provide students with an introduction to the field of journalism. Major topics of study include: an introduction to journalism, reporting basics, design basics, types of reporting, legal and ethical implications in journalism, and marketing. Students will apply learning by assisting with the production of the yearbook and a school newspaper. This course will be scheduled pending sufficient enrollment and instructor availability.

Mathematics

400 Pre-Algebra

1 credit, 5 periods/week for one semester

This course is an extension of our middle school math curriculum to help students build a solid mathematical foundation before taking Keystone Algebra I. This course will be helpful for students who took Middle School Pre-Algebra or Middle School Algebra.

403 Keystone Algebra I

1 credit, 5 periods/week for one semester

Prerequisites: *Completion of High School Pre-Algebra or a minimum of 93% or higher in Middle School Mathematics 8.*

Keystone Algebra I provides students with a solid foundation in algebraic skills aligned to the PA Keystone Assessment Anchors for Algebra I. This course is a formal exploration of math that emphasizes physical models, graphs, and other mathematical representations.

**This course will prepare students to take the Keystone Algebra I assessment

402 Honors Keystone Algebra I

1 credit (GPA weight 1.05), 5 periods/week for one semester

Prerequisites: *93% or higher in Middle School Mathematics 8.*

This is a more rigorous course that includes the same units and content as Keystone Algebra I. However, this course will involve a more in-depth study of the content including a heavy emphasis on problem solving, application, and extension activities.

**This course will prepare students to take the Keystone Algebra I assessment

415 Honors Algebra II *

1 credit (GPA weight 1.05), 5 periods /week for one semester

Prerequisites: *95% in HS Algebra I or 93% in Honors Algebra I*

This is a more rigorous course that includes the same curricular content as Keystone Algebra II. However, this course will include a more in-depth study with more analysis and problem solving as students develop skills necessary to progress towards higher level mathematics.

404 Algebra II

1 credit, 5 periods/week for one semester

Algebra II is designed to be an extension and application of graphic and algebraic solutions of linear equations first defined and introduced in Algebra I. The algebra curriculum will focus on a greater emphasis of conceptual understanding, on algebra as a means of representation, and on algebraic methods as a problem-solving tool.

406 Geometry

1 credit, 5 periods/week for one semester

High School Geometry is a challenging course building on the strong conceptual foundation students develop in previous mathematical courses. Students should have opportunities to visualize and work with three-dimensional figures in order to develop spatial skills fundamental to everyday life and to many careers. The interplay between geometry and algebra strengthens students' ability to formulate and analyze problems from situations both within and outside mathematics.

407 Honors Geometry *

1 credit (GPA weight 1.05), 5 periods/week for one semester

Prerequisite: *95% in previous HS Algebra course or 93% in Honors HS Algebra course*

This challenging and rigorous course teaches the theoretical and conceptual basis of geometry. It is designed to move the capable math student to a higher level of understanding of dimensional and spatial skills. Honors Geometry is intended for students with a scientific or mathematical career goal.

408 Academic Math

1 credit, 5 periods/week for one semester

This course is only open to students who have already completed Algebra I

This course will concentrate on the foundational math skills contained in the Pennsylvania Core Standards for Mathematics to provide students with a solid, well-rounded mathematics experience. There will be an emphasis on assessment anchors dealing with operations, linear equations and inequalities, functions, coordinate geometry, and data analysis.

411 Trigonometry/Pre-Calculus- DC

1 credit (GPA weight 1.10), 5 periods/week for one semester

Prerequisite: *85% in Algebra II or necessary remediation to ensure prerequisite skills*

This is a rigorous course designed for a one-year Pre-calculus course that follows Algebra II. Students who successfully complete this course will be prepared to take a Calculus course or any other fifth year advanced mathematics course. Calculator and computer based graphing technology are incorporated in this course to enhance the teaching and learning of pre-calculus mathematics.

This course may be taken as a dual credit course through St. Francis College for college credit.

412 Calculus- DC

1 credit (GPA weight 1.10), 5 periods/week for one semester

Prerequisite: *85% or higher in Trig/Pre-Calculus*

This is a rigorous and advanced course in the basic calculus sequence intended for students with mathematics, engineering, science, business, or statistics career goals. This course is designed to provide the opportunity for students, who so elect, to extend their mathematical knowledge beyond the current high school academic curriculum. This course gives students the opportunities to systematically, and informally investigate the central ideas of calculus that contribute to a deepening of their understanding of function and its utility in representing and answering questions about real-world phenomena. It may be taken as a dual credit course through Mount Aloysius College for college credit.

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(H) = Humanities course

424 Personal Finance

1 credit, 5 periods/week for one semester

Schedule Note: Open only to juniors and seniors- may be taught in math, social studies, family consumer science and/or business departments

As per Act 91 of 2019, Penn Cambria is allowing students to apply this Personal Finance course as a mathematics graduation credit. This course emphasizes practical activities to help students develop skills in managing one's personal finances and become a financially responsible citizen. Topics include banking basics, savings, credit, budgeting, investing, taxes, insurance, and financial pitfalls.

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Science

CORE COURSES IN SCIENCE

501 Earth / Environment

1 credit; 5 periods/week for one semester

This course will focus on a study of the earth, environment and ecology concentrating on the interrelationship of the geosphere, the biosphere, the hydrosphere and the atmosphere. The course includes topics of current interest such as natural resources, pollution, watersheds and the impact of technological advances.

500 Honors Earth/Environment*

1 credit (GPA weight 1.05); 5 periods/week for one semester

Prerequisite: 93% or higher in Grade 8 science

This is a more rigorous course that includes the same units and content as Earth/Environmental Science. However, this course will involve a more in-depth study of the content including additional information, readings, activities, discussion and evaluation.

503 Biology I

1 credit; 5 periods/week for one semester

Biology I is an introductory level Biology course that studies living things and how living things interact with their environment. People study Biology to understand how life flourishes on Earth and to satisfy curiosity about life. Major topics of study include: Biology, Scientific Methods in Biology, the Chemical Basis of Life, Cell Biology, Genetics, Evolution, and Ecology. The course also includes an in-depth study of the microscope and a frog dissection.

** This course will prepare students to take the PA Keystone Biology assessment.

502 Honors Biology I *

1 credit (GPA weight 1.05); 5 periods/week for one semester

Prerequisite: 88% in Honors Earth/Environment or 93% in Earth Environment.

This is a more rigorous course that includes the same curricular content as Biology I. However, this course will include a more in-depth study with class discussions, written analysis and outside readings. Students must take Honors Biology I in order to meet the prerequisite for dual enrollment college credit in Honors Biology II.

** This course will prepare students to take the PA Keystone Biology assessment.

505 Chemistry I

1 credit; 5 periods/week for one semester

The study of chemistry is an essential subject in secondary education and is related to many other fields. An understanding of chemistry will allow students to make knowledgeable decisions about political, social, and environmental issues. Using a variety of techniques, students will study scientific methods, matter, energy, atomic theory, periodic law, bonding, nomenclature, chemical reactions, stoichiometry and

gas laws. Emphasis is placed on student participation in the laboratory for discovery, application, and reinforcement. Since some chemical mathematics is utilized, algebra skills are required.

504 Honors Chemistry I *

1 credit (GPA weight 1.05); 5 periods/week for one semester

Prerequisite: 88 % or above in Honors Earth/Environment or Honors Biology I **OR** 93% or above in Biology I or Earth/Environment

This is a more rigorous course that includes the same curricular content as Chemistry I. However, this course will include a more in-depth study with class discussions, written analysis and outside readings. Honors Chemistry I stresses chemical mathematics; therefore, a thorough foundation in algebra is essential. Students must take Honors Chemistry I in order to meet the prerequisite for dual enrollment college credit in Honors Chemistry II.

508 Physics

1 credit; 5 periods/week for one semester

Physics is the study of the physical world about us. It stresses real-life applications of physical principles and processes in order to create scientifically literate individuals. An understanding of physics will allow students to make knowledgeable decisions about political, social, and environmental issues. The course emphasizes critical thinking and problem solving skills. Using a variety of techniques, students will study scientific method, measurement, energy transformations, principles of motion, forces, work, power, waves and graphical analysis. Emphasis is placed on student participation in the laboratory for discovery, application and validation.

514 Honors Physics DC

1 credit (GPA weight 1.10); 5 periods/week for one semester

Prerequisite: 85% in Algebra II or Geometry

This is a more rigorous course that includes essentially the same curricular content as Physics. However, this course will include a more in-depth study with class discussions, written analysis and outside readings. This course may be taken for college credit through Saint Francis University as a dual credit course.

507 Physical Science (Vocational Students only)

1 credit; 5 periods/week for one semester

Prerequisite: No Chemistry or Physics credits previously earned.

Physical science is designed to provide vocational students with an understanding of chemistry and physics. Students will study the scientific method, matter and energy, atomic theory, the periodic table, chemical reactions, motion, machines, force, work, waves, heat, and electricity. The course incorporates hands-on laboratory experiments and activities to reinforce principles. Although mathematics is not emphasized, algebra skills are required.

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ELECTIVE COURSES IN SCIENCE

509 Biology II DC

1 credit (GPA weight 1.10); **5 periods/week for one semester**

Prerequisite: 88% in Honors Biology I or 93% in Biology I

Scheduling Note: May be offered every other year

Biology II is an extension of Biology I. This course is designed to provide the student with an in-depth study of biology with an emphasis upon the relationships to man. Selected topics include: DNA, protein synthesis, genetics, human genetic diseases and treatments, cytology, evolution, bacteriology, virology, oncology, cloning, and stem cell research. Various scientists and their landmark works are studies in historical and social context. Biology II is designed for those students who plan on a career in the medical or science-related fields. After taking Biology I, this course may be taken for dual credit through Mount Aloysius College.

506 Chemistry II DC

1 credit (GPA weight 1.10); **5 periods/week for one semester**

Prerequisite: 88% in Honors Chemistry I or 93% in Chemistry I

Chemistry II is an extension of Chemistry I. It provides a stronger background for college programs requiring a more extensive foundation in chemistry. The course emphasizes critical thinking and problem solving skills. Students will study solution chemistry, acid/base chemistry, chemical equilibrium, kinetics, redox, electrochemistry, and nuclear chemistry. Laboratory experience and proficiency is expected. After taking Chemistry I, this course may be taken for dual credit through Mount Aloysius College.

511 Anatomy and Physiology I DC

1 credit (GPA weighted 1.10); **5 periods/week for one semester**

Prerequisites: 88% or above in Honors Chemistry 1 OR Honors Biology 1, or 93% or above in Biology 1 OR Chemistry 1

Scheduling Note: Offered pending sufficient enrollment and instructor availability

Anatomy and Physiology provides a background in the human body's structures and functions. It is designed for those students who plan on a career in the medical or biological fields. Using a variety of techniques, students will study body composition, cytology, histology, integument, and the muscular, skeletal and central nervous systems. The laboratory, specifically a cat dissection, is an essential component to understanding each of these concepts. Due to the volume of material covered, students are expected to invest time outside of class to master concepts. This course is equivalent to an introductory college course in Anatomy and Physiology and may be taken for college credit through a dual credit agreement with Mount Aloysius College (BL201- 4 credits).

512 Anatomy and Physiology II DC (*not planned in 23-24*)

1 credit (GPA weighted 1.10); **5 periods/week for one semester**

Prerequisite: 85% or above in Anatomy & Physiology I

Anatomy and Physiology II is a continuation of Anatomy and Physiology I. Using a variety of techniques, students will study special senses, metabolism, and the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems. Emphasis is placed on student participation in the laboratory for discovery, application, and reinforcement. Some lab work involves dissection to show actual structures, their relationships to other structures and the differences in organisms. Other lab work will involve physiological experiments which may utilize technology. This course is equivalent to an introductory college course in Anatomy and Physiology and may be taken for college credit through a dual credit agreement with Mount Aloysius College (BL202-4 credits).

510 Ecology/Zoology

1 credit; 5 periods/week for one semester

Scheduling Note: Offered pending sufficient enrollment and instructor availability

Ecology/Zoology is an elective course designed to provide students with an overview of current environmental issues and their relationship to science and technology. Units of study include: Watersheds and Wetlands, Renewable and Non-renewable resources, Environmental Health, Integrated Pest Management, Ecosystems and their Interactions, Population Dynamics, Threatened, Endangered and Extinct Species, Humans and the Environment, Environmental Laws/ Regulations, and Zoology. Application of knowledge will be emphasized. The course will also include a study of various Pennsylvania wildlife and their relationships with other living and non-living components of the environment.

Social Studies

CORE CLASSES IN SOCIAL STUDIES

201 World History

1 credit, 5 periods/week, one semester

World History is a survey course that covers the political, social, and economic systems and characteristics of Africa, the Middle East, Africa, Latin America and Europe from the Renaissance to the present.

202 Honors World History *

1 credit (GPA weight 1.05); 5 periods/week, one semester

Prerequisite: 93% in grade 8 Social Studies

This is a more rigorous course that includes the same curricular content as World History. However, this course will include a more in-depth, all-encompassing study of history and such areas as political institutions, public policy, social and economic change, diplomacy and international relations, and cultural and intellectual developments. This course has rigorous requirements regarding class participation, written analysis and outside readings.

203 U.S. History I (1840 – 1920)

1 credit, 5 periods/week, one semester

The purpose of this course is to analyze United States history from the mid 1800's to the 1920's in terms of political, social and economic issues. Students will study the Jacksonian Era, expansion in the mid 1800's, reform movements in the 1800's, the Civil War, the settlement of the American West, Industrial Growth, the turn of the 20th Century, World War I and the Roaring 20's.

204 Honors U.S. History I *

1 credit (GPA weight 1.05), 5 periods/week, one semester

Prerequisite: 88% in Honors World History or 95% in World History

This is a more rigorous course that includes the same curricular content as U.S. History I. However, this course will include a more in-depth, all-encompassing study of history and such areas as political institutions, public policy, social and economic change, diplomacy and international relations, and cultural and intellectual developments. This course has rigorous requirements regarding class participation, written analysis and outside readings.

205 U.S. History II (1930-present)

1 credit, 5 periods/week, one semester

This course examines the United States' political, social, and economic structures, contributions and activities as they relate to our region, state, nation, and world. U.S. History II continues the story of America where U.S. History I ended. Topics include: the Great Depression, the New Deal, World War II, the Cold War era, the Civil Rights Movement, the 60's and 70's, the 80's and 90's and major events of the 21st Century.

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206 Honors U.S. History II DC

1 credit (GPA weight 1.10), 5 periods/week, one semester

Prerequisite: 88% in Honors U.S. History 1 or 95% in U.S. History 1

This is a more rigorous course that includes the same curricular content as U.S. History 2. However, this course will include a more in-depth study of history with class discussions, written analysis and outside readings. This course covers in depth such areas as political institutions and behavior, public policy, social and economic change, diplomacy and international relations, and cultural and intellectual developments. It is also a college dual credit course with Mount Aloysius College.

210 U.S. Government and Economics

1 credit 5 periods/week, one semester

The focus of the U.S. Government component is on the Constitution and the functions of the United States government, with emphasis on the relationship of these to politics and current events. The functions of government are explored on the national, state, and local levels. The primary objective is to prepare students to become participants in the political process.

The applied economics component uses the Junior Achievement Economics program, along with other resources, to provide a practical study of economics with a focus on basic characteristics of the U.S. economic system and how economic principles influence business decisions.

211 HONORS U.S. Government and Economics *

1 credit (GPA weight 1.05) 5 periods/week, one semester

Prerequisites: 88% in Honors U.S. History 2 or 95% in U.S. History 2

This is a more rigorous course that includes the same curricular content as U.S. Government and Economics. It is designed to challenge the academic student. The course will include more in-depth coverage of concepts and material including class discussions, written analysis and outside readings.

(H) = Humanities course

ELECTIVE COURSES IN SOCIAL STUDIES

209 **European History DC (H)**

1 credit (GPA weight 1.10) **5 periods/week, one semester**

Prerequisite: *Students must be in grades 11-12, 93% average (or weighted average) in history coursework*

Scheduling Note: *Offered every other year (planned for 24-25)*

Advanced European History provides a general narrative of events and movements from the Renaissance (1350) to the present. This is a rigorous course with complex expectations. The emphasis is on developing an understanding of some of the principle themes in modern European history, an ability to analyze historical evidence, and an ability to express that understanding in writing. The content involves three major areas; political and diplomatic history, intellectual and cultural history, and social and economic history. The course is divided into six units and utilizes 23 chapters of a college level text in addition to other documents and handouts. It is also a dual credit course with Mount Aloysius College. Offered pending scheduling availability.

966 **Geography/PA History (H)**

1 credit 5 periods/week, one semester

This two part course is offered as an elective course in grades 9 through 12.

The study of geography focuses on the relationship of man to his environment. Emphasis within this course is placed on the interrelationship of geography and human interactions through current events and the five themes of geography.

The PA History segment will include a survey of events in PA history, including current events as well.

965 **Psychology / Sociology (H)**

1 credit 5 periods/week, one semester

Sociology is a systematic study of human social behavior. This involves everything related to the interaction of human beings in groups. The first part of this course will allow students to study people's beliefs, values and rules, along with family organizations, educational systems, religions, etc. Students also will study roles people assume within these systems. Topics such as social movements and contemporary social problems such as crime, prejudice, poverty, and overcrowding will also be analyzed. The systematic and scientific method of study will be used to identify the problems, develop hypotheses, and collect and analyze the data.

Psychology is a study of human development and behavior that will help students cope with living in today's world. The second part of this course provides a foundation in the basic theories and principles of psychology and will guide students toward a greater understanding of their own capacity for growth. Traditional topics, such as personality theory, learning-thinking-creativity, social psychology, brain and consciousness, child development, adolescent development, and the troubled personality will be emphasized.

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* = Honors Level Course 1.05 GPA Grade Weighting

Physical Education, Health and Safety

001-002 High School Physical Education /Health

.5 credit; 5 periods/week for one quarter

The Physical Education program at Penn Cambria High School is designed to promote wellness and fitness in our students through a variety of activities such as team sports, lifetime activities, aerobic fitness and physical fitness. The students will demonstrate knowledge and skill development appropriate to each grade level. Many of the activities have carry over value and can be used as lifetime activities. These activities are evaluated by class participation, effort, teacher observation, skill tests, written tests and physical fitness testing.

Health topics are incorporated into this course using a four year rotating cycle as noted within this curriculum document. Health studies will constitute approximately 20% of the course each year.

964 Driver Education

.5 credit; 5 periods/week for one quarter

Scheduling Note: *Course offered pending instructor availability and sufficient enrollment.*

This course, for students in grades 10-12, will provide students with the content and hours necessary for the classroom instruction component of a Pennsylvania standardized driver education program. The content will include PA laws and regulations, vehicle operations, perceptual skill development, decision-making, driving conditions and influences upon driver performance.

(H) = Humanities course

Foreign Language

305 Spanish I (H)

1 credit, 5 periods/week for one semester

To know a foreign language is to be able to do something in that language that would include the four modalities: reading, writing, listening and speaking. Although proficiency is not an immediate goal of this level 1 course, Spanish 1 recognizes it as the language outcome for this course. The development of a large vocabulary base is also essential to the success of any language.

306 Spanish II (H)

1 credit, 5 periods/week for one semester

Prerequisite: fundamental skill in Spanish I.

To know a foreign language is to be able to do something in that language. This level 2 Spanish course focuses on further development of the four modalities: reading, writing, speaking and listening. Accompanied by an expanded grammar base and a larger vocabulary, students will effectively engage in conversation about people, places and things learned in level 1. Through reading and discussion of culturally authentic materials and texts, audiotapes and native speakers, students will obtain and utilize cultural and linguistic information for use in speaking and writing activities. Higher order thinking skills are inherent in language learning as students learn to view communication as problem solving.

307 Spanish III DC (H)

1 credit (GPA weight 1.10); 5 periods/week for one semester

Prerequisite: fundamental skill in Spanish II.

Spanish III is a challenging course. Accompanied by an expanded grammar base and a larger Spanish vocabulary, students will effectively engage in conversation about people, places and things learned in Levels 1 and 2. Through reading and discussion of culturally authentic materials and texts, audiotapes and native speakers, students will obtain and utilize cultural and linguistic information for use in speaking and writing activities. Prominent figures from the Hispanic culture are studied. Through classroom conversations and exposure to the language, students will grow to communicate and exchange ideas in Spanish with their classmates. Higher order thinking skills are inherent in language learning as students learn to view communication as problem solving. College credit is available through a dual credit agreement.

308 Spanish IV DC (H)

1 credit (GPA weight 1.10), 5 periods/week for one semester

Prerequisite: fundamental skill in Spanish III.

Spanish IV is a rigorous and advanced course concentrating on reaching and maintaining an appropriate level of reading, writing, speaking and listening in that language. Accompanied by an expanded grammar base and a larger Spanish vocabulary, students will effectively engage in conversation about people, places and things learned in Levels 1 and 2. Through reading and discussion of culturally authentic materials and texts, audiotapes and native speakers, students will obtain and utilize cultural and linguistic information for use in speaking and writing activities. Prominent figures from the Hispanic culture are studied. Higher order thinking skills are inherent in language learning as students learn to view communication as problem solving. College credit is available through a dual credit agreement.

DC = Dual Credit 1.10 GPA Grade Weighting

* = Honors Level Course 1.05 GPA Grade Weighting

Foreign Language 1 (To be determined)

1 credit – Online 5 periods/week for one semester

Prerequisites: Successful completion of Spanish I and II

A full credit Foreign Language (Level 1) will be available via an online course provider for the 23-24 school year. The specific foreign language(s) offered will be determined based on the availability of a qualified online course provider/teacher. Students will be scheduled time for this course within the regular school day. However, the online teacher for this course will design lessons, provide assistance and be responsible for grading. Successfully participating in an online course requires a student to be disciplined, self-motivated, and willing to work independently.

Note: Access to a computer and Internet will be required if a student requires additional time to complete assignments within this course.

- Spanish will not be offered online.

(H) = Humanities course

Business & Computer

603 Digital Concepts 9

1 credit, 5 5 periods/week for one semester (REQUIRED FOR GRADE 9)

In this course, students will learn and demonstrate critical components of being an active and responsible digital citizen in the 21st Century while also demonstrating competency with word processing, spreadsheets, digital editing, coding basics, and a variety of other digital tools.

606 Accounting I

1 credit, 5 periods/week for one semester

The course emphasizes the basic principles, concepts, and procedures of accounting that every student must understand for a maximum opportunity when entering the world of business. This course progresses from the simple to the complex. It begins with preparing simple balance sheets and continues to adjusting and closing entries for a merchandising business organized as a partnership. Accounting 1 also uses business simulation to give the student a better understanding of the accounting procedures used in business.

607 Accounting II

1 credit, 5 periods/week for one semester

Prerequisite: Accounting 1

Scheduling Note: *Course offered pending sufficient enrollment and instructor availability*

Students taking this course should have a fundamental knowledge of Accounting 1. The corporation is the form of business organization used in Accounting 2. Instructional topics include: special journals, accounting for uncollectible accounts, plant assets & depreciation, inventory, notes and interest. Distributing dividends and preparing worksheets, financial statements and end-of-fiscal period entries for a corporation will also be presented. The computer will be applied for payroll processing and automated accounting. Business simulations are also used to enhance the learning process.

610 Digital Media - Video

.5 credit; 5 periods/week for one quarter

Scheduling Note: Schedule opposite Physical Education or student may combine with Digital Photo & Audio by taking the Digital Media Course for a one credit elective

Prerequisite: Student may not have previously taken Digital Media course

In this course, the students will obtain the knowledge to operate a digital video camera, set up different camera shots, edit video, write a script, create a storyboard, and mix music and sound into their video. Students will create commercials for products, video themselves speaking about a topic of interest, and script, direct, and produce their own short film.

611 Digital Media - Photo & Audio

.5 credit; 5 periods/week for one quarter

Scheduling Note: Schedule opposite Physical Education or student may combine with Digital Video by taking the Digital Media Course for a one credit elective. Student may not have previously taken Digital Media course

In this course, the students will obtain the knowledge to operate a digital camera, set up different camera shots, edit photographs, and organize their photos. Students also obtain the knowledge to record audio, edit audio, create a script, and convert their recordings to mp3 and other formats. The students will take photos, change existing photos to look differently, arrange their photos, enhance and add affects to their photos. The students will create audio commercials for products, script, direct, and produce their own short radio drama, create sound effects, and manipulate audio to sound differently than the original recording.

612 Digital Media (Video, Photo & Audio)

1 credit; 5 periods/week for one semester

Scheduling Note: Students may not have previously taken Digital Video or Digital Photo & Audio courses

This course is a one credit elective combining the Digital Video and Digital Photo & Audio ½ credit courses above.

614 Basic Web Design

.5 credit; 5 periods/week for one quarter

Scheduling Note: Targeted to upperclassman, but open to all. Schedule opposite Physical Education or any student may combine with Basic Programming for a one credit elective

This course is designed to meet the needs of all students, not just those interested in computer careers. Prior knowledge of web design is not necessary. Students learn the basics of web design needed to be part of today's society and economy including: Internet basics, elements of design for websites, copyright and page layout. In addition, students will learn how to create and publish a basic webpage using web design software and basic html.

616 Computer Science & Robotics 1

.5 credit; 5 periods/week for one quarter

Scheduling Note: *Students who have already completed the previous Basic Programming course should enroll in Computer Science & Robotics 2*

This elective is based on the first six units of the Carnegie Mellon University Computer Science Academy CS1 Introduction to Programming and Computer Science high school course. The course is appropriate for any student interested in learning more about computer science concepts. It provides a text-based graphical introduction to programming in Python. In addition, students will explore robotics as a way to apply computer science principles throughout the course.

617 Computer Science & Robotics 2

.5 credit; 5 periods/week for one quarter

Prerequisite: *Student must have completed Basic Programming or Computer Science & Robotics 1*

This elective is based on units 7-12 of the Carnegie Mellon University Computer Science Academy CS1 Introduction to Programming and Computer Science high school course. It provides a text-based graphical introduction to programming in Python. In addition, students will continue their exploration and work with robotics as a way to apply computer science principles throughout the course.

628 Computer Science & Robotics 1 & 2

1 credit; 5 periods/week for one semester

Scheduling Note: Students may not have previously taken Basic Programming, Computer Science and Robotics 1 or Computer Science and Robotics 2
This course is a one credit elective combining the Computer Science and Robotics 1 course and the Computer Science and Robotics 2 course from above.

625 App and Game Development

1 credit; 5 periods/week for one semester

Prerequisite: None

This course is designed to meet the needs of all students, not just those interested in computer careers. Prior knowledge of app and game development is not necessary. Students will learn to create interactive Android applications and Windows based and HTML based games using programs such as App Inventor, GameMaker, and Kodu.

615 Advanced Web Design (*Offered Pending Schedule Availability Only*)

5 credit; 5 periods/week for one quarter

Scheduling Note: Targeted to upperclassman, but open to all.

Prerequisite: *Student must have completed Basic Web Design.*

This course will focus on authentic application of the skills learned during Basic Web Design as students build upon those skills to design websites to complete real-world projects including projects for local community organizations and/or school groups.

Other Electives

701 Child Development

.5 credit; 5 periods/week for one quarter

Scheduling Note: *This course replaces the former Early Childhood course. Students who already completed Early Childhood may not take this course for credit.*

This child development course is designed to provide students with an understanding of cognitive, motor, and social stages of child development from infancy through early school age. The course will also explore family practices that optimize child development at various stages.

702 Basic Foods

.5 credit; 5 periods/week for one quarter

Scheduling Note: Course is open for sophomores, juniors and seniors.

The Basic Foods program gives students a foundation in food, nutrition, and good health. This segment is designed to encourage students to make the best food decisions possible in today's complex world. The student's ability to select and prepare food successfully is a basic survival skill for good health and physical stability.

705 Child Development and Basic Foods

1 total credit; 5 periods/week for one semester

Prerequisite: *Student cannot have completed 701 or 702 previously.*

This course is a one credit elective combining the Basic Foods and Early Childhood ½ credit courses above. Students who have already completed either half credit elective are not eligible for this whole credit option.

703 Advanced Foods

.5 credit; 5 periods/week for one quarter

Prerequisite: *Successful completion of Basic Foods*

The Advanced Foods program builds on the foundation laid in Basic Foods and allows students to expand their culinary and baking skills and awareness. This course will focus on the development of both advanced kitchen skills and nutritional knowledge. This course will highlight the relationship between food and culture, as well as how food can impact a community. An independent study unit will also provide students with the opportunity to use technology to research, experience and perfect recipes and cooking styles.

Scheduled pending teacher availability and sufficient student enrollment only.

710 Money and Civic Life (H)

.5 credit 5 periods/week, one quarter

This course explores personal and family financial decision-making, civic responsibility, and ways to balance family, work, and community responsibility. Students will explore the potential economic impacts of various decisions and choices throughout a lifetime as well as explore ways to use skills to help their communities.

811 Sculpture (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Fibers for a 1 credit elective. **Offered every other year. Planned Offering in 2025-2026**

This course provides the opportunity to develop a tactile, visually aesthetic yet functional collection of sculpture. Students will study design concepts and how they relate to three dimensional artwork. They will effectively and structurally analyze artwork via classroom presentations, evaluations and art essay.

809 Fibers (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Sculpture for a 1 credit elective. **Offered every other year. Planned Offering in 2025-2026**

This course provides the opportunity to develop a tactile collection of art and a journal/sketchbook for post secondary institution. Students will review design elements, learn design principles, and see how they relate to applied arts. They will also perfect their skills in a variety of fiber projects (weaving, macramé, batik, stitching and needlepoint). Students will effectively and structurally analyze artwork via classroom presentations, evaluations, and an art essay.

808 Drawing (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Painting for a 1 credit elective. **Offered every other year. Planned Offering in 2024-2025**

This course provides the opportunity to develop a portfolio and journal/sketchbook for a post-secondary institution. Students will review design elements, learn design principles, and will build upon learned drawing skills, using a variety of drawing media (pencil, ink, charcoal, pastels, and colored pencils). They will effectively and structurally analyze artwork via student presentations, evaluations and an art essay.

813 Painting (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Drawing for a 1 credit elective. **Offered every other year. Planned Offering in 2024-2025**

This course provides the opportunity to develop a portfolio and journal/sketchbook for a post-secondary institution. Students will review design elements, learn design principles, *and will build upon learned drawing skills, as they paint in acrylic and watercolor.* They will effectively and structurally analyze artwork via student presentations, evaluations and an art essay.

820 Graphics & Illustration (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Pottery & Art History for a 1 credit elective. **Offered every other year. Planned Offering in 2024-2025**

This course functions as a survey of art with experiences in style, procedures and uses of materials in the production of Graphic Art and Illustration (Commercial Art).

Students learn basic printmaking, techniques and procedures, followed by areas of Calligraphy, Poster design and Logo design.

822 Pottery & Art History (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Graphics & Illustration for a 1 credit elective. **Offered every other year. Planned Offering in 2024-2025**

This course functions as a survey of art with experiences in styles, procedures and uses of clay. Students will learn hand-building and wheel-thrown techniques to produce several decorative and functional pieces of art. The Art History unit will engage students in the process of aesthetic valuing as they learn about artists and their works in a thematic way.

823 Functional & Lite Industrial Art (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Exploring Creativity & Community Art for a 1 credit elective. **Offered every other year. Planned Offering in 2025-2026**

Students will review design elements; learn design principles; and will build upon learned drawing, painting, and sculpting skills while using a variety of media (wood, metal, glass, clay, etc.). They will maintain a strong focus on functional artforms that are useful to both the artisans and industries of today's marketplace, which will provide each student with a well-rounded overview of possible post-secondary careers or hobbies. This course, while open to all students, provides students interested in pursuing a career in the arts the opportunity to develop a tactile collection of art styles and mediums in a portfolio for a post-secondary institution.

824 Exploring Creativity & Community Art (H)

.5 credit; 5 periods/week for one quarter

Scheduling Note: Scheduled opposite Physical Education or combine with Functional & Lite Industrial Art for a 1 credit elective. **Offered every other year. Planned Offering in 2025-2026**

This course, while open to all students, provides students interested in pursuing a career in the arts the opportunity to develop a tactile collection of art styles and mediums in a portfolio for a post-secondary institution. Students will review design elements; learn design principles; and will build upon learned drawing, painting, and sculpting skills while using a variety of media (acrylic paints, found objects, foods, paper sculpting, etc.). They will maintain a strong focus on community and collaborative projects for the betterment and beautification of the school and community while applying knowledge of past examples of successful community installations through presentations and evaluations of both historical and personal works of art.

951 Band (H)

Band is offered as a quarter (1/2 credit), semester (1 credit), or full year (2 credit) course 5 days/week. Students may also choose to participate in a combined Band and Chorus (total credit limited to above).

The band is an advanced concert / performance ensemble that performs numerous styles and genres of band literature. The band holds a winter and spring concert. In addition, the marching band practices once a week after school (during the football season) and performs at every varsity football game as well as numerous local and regional parades. Students who do not participate in marching band will be required to submit formal performance pieces to meet curricular objectives.

952 Chorus (H)

Chorus is offered as a quarter (1/2 credit), semester (1 credit), or full year (2 credit) course 5 days/week. Students may also choose to participate in a combined Band and Chorus (total credit limited to above).

Students will learn proper vocal techniques, music theory, and sight singing. Many different styles of music from different periods will be studied. The class performs in two concerts yearly. Students that participated in Middle School Chorus may enroll. Students who are not currently in Concert Choir or did not participate in Middle School Chorus should meet with the chorus director before scheduling.

958 Band and Chorus (H)

With teacher recommendation, some students may choose to participate in both band and chorus throughout the school year. These students will be taught and assessed by both the band and chorus instructors.

ADMIRAL PEARY AREA VOCATIONAL TECHNICAL SCHOOL

PROGRAM OFFERINGS for students in grades 10, 11 and 12

Important Note:

Any student who wishes to attend APVTS as a sophomore must have already doubled up in credits for math or science during freshman year OR commit to participate in at least one session of summer Physical Education in order to be able to meet PCSD graduation requirement.

Automotive / Mechanics

In the *Automotive Body Collision Repair* program, students learn the skills necessary to repair, reconstruct, and refinish automobile or truck bodies and external features.

In the *Automotive Technology* program students are offered the latest technology for gasoline-powered vehicles in the field using up-to-date equipment.

In the *Small Engine Mechanics* program students are prepared to apply skills to repair, service, and diagnose problems on a variety of small engines.

In the *Diesel Mechanics* program, students are prepared to specialize in the maintenance and repair of trucks, buses, and other commercial and industrial vehicles.

Engineering/Manufacturing

The *Welding* program prepares students with the skills necessary for jobs as welders, cutters, and welding machine operators.

The *Engineering Technology* program incorporates a variety of engineering, AutoCAD, and machining concepts.

The *Electrical Technology* program prepares students to install, maintain, and service electrical equipment used in control applications, commercial and industrial distribution wiring.

Construction Trades

In the *Masonry* program students develop the skills necessary to become block layers, bricklayers, stonemasons, and cement masons.

The *Carpentry* program is designed to prepare students for construction and finish carpentry.

The *Construction Trades* program prepares students for a variety of trade areas including carpentry, masonry, plumbing, heating, and electrical.

The *HVAC/R/P* program provides the fundamentals of installation, repair, and maintenance of equipment and accessory parts used for heating, air conditioning, and cooling systems.

Health and Human Services

The *Cosmetology* program prepares students to work in the cosmetology/beauty service industry.

The *Health Assisting* program prepares students to enter the health field on an assistant level.

Culinary Arts provides students with the opportunity to learn culinary techniques and the practical application of all facets of food service.

Early Childhood Teacher Education prepares students to work with young children in a variety of settings.

Computer and Business Technology

The *Digital Media and Cyber Security* program will prepare students to either enter the workforce or continue onto a post-secondary school.