CENTRAL CAMBRIA HIGH SCHOOL CREDIT REQUIREMENTS

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<th>SUBJECT</th>
<th>CLASSES OF 2016/17/18/19</th>
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<td>ENGLISH</td>
<td>4 CREDITS</td>
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<td>SOCIAL STUDIES</td>
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<td>MATH</td>
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<td>SCIENCE</td>
<td>3 CREDITS</td>
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<tr>
<td>PHYSICAL EDUCATION</td>
<td>1 CREDIT (16 Quarters Passed)</td>
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<tr>
<td>ELECTIVES</td>
<td>9 CREDITS</td>
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<td>TOTAL</td>
<td>24 CREDITS</td>
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In addition to passing the required credits as indicated above, students must also fulfill the following requirements for graduation from CCHS:

- Students must successfully complete and present an approved Graduation Project.
- Students must achieve proficiency on the required Pennsylvania Keystone Exams.

Opportunities to Earn College Credit While Enrolled at CCHS

Advanced Placement (A.P.) Courses
Students may elect to sit for an Advanced Placement (A.P.) exam in May of the year they take an A.P. course. The student must register for the exam and pay a fee. College credit will be earned based on the student’s performance on the A.P. exam. Credit attainment varies among colleges. **Students are responsible for determining from their prospective colleges how credits are awarded.**

- A.P. Biology
- A.P. English Literature and Composition
- A.P. Spanish Language and Culture
- A.P. United States History
- A.P. European History

Dual Enrollment (D.E.) Courses
Students may earn college credit through the colleges listed below by selecting one or more of the following dual enrolled courses. Students must register for the course, pay a fee, and earn a final average grade of at least an 78% to be eligible for the credits. **Students are responsible for determining if dual enrolled credits will transfer to their prospective college or university.** Application fees are required.

**Mount Aloysius College**
- A.P. Biology
- A.P. English Literature & Composition
- A.P. U.S. History
- Anatomy/Physiology
- Economics
- Calculus
- Pre-Calculus/Trigonometry
- Algebra III/Trigonometry
- Concepts of Comp/Lit IV/Eng. Enrich. IV
- Microsoft Office

**Saint Francis University**
- Physics
- Advanced Physics
- College Chemistry
- Spanish II
- A.P. Spanish Language & Culture

**Pennsylvania Highlands Community College**
- Psychology/Sociology
- French II
- French IV
- A.P. Spanish Language & Culture
ENGLISH DEPARTMENT
(4 credits required for graduation)

PRINCIPLES OF COMPOSITION & LITERATURE I 1 CREDIT
Designed to provide students with an understanding of grammar and usage integrated with composition. Forms of writing include descriptive, narrative, persuasive, and limited creative. Literature units include fiction, drama, poetry, and contemporary non-fiction. Emphasis is placed on the reading and writing skills present in the Pennsylvania Academic Standards.

CONCEPTS OF COMPOSITION & LITERATURE I 1 CREDIT
Students will be placed in this level of English, based on their performance in their ELA course in 8th grade.
Designed to provide students with the opportunity to develop a greater appreciation and understanding of literature, improve writing skills, enlarge oral and written vocabularies, and obtain greater fluency and poise in speech. Fiction, drama, short story and composition are emphasized.

ENGLISH ENRICHMENT I (grade 9) 1 CREDIT
Prerequisite: Multi Disciplinary Team identification as mentally gifted
Designed to challenge gifted freshmen in the areas of literature, research, writing, and public speaking. Students will also receive a rich, functional vocabulary. This course will emphasize critical thinking skills and appreciation for the arts and humanities.

PRINCIPLES OF COMPOSITION & LITERATURE II 1 CREDIT
Designed to provide students an opportunity to develop a greater appreciation and understanding of literature and composition. Students will improve writing skills, enlarge oral and written vocabularies, develop public speaking skills, and use library resources effectively. Emphasis is placed on the reading and writing skills present in the Pennsylvania Academic Standards.

CONCEPTS OF COMPOSITION & LITERATURE II 1 CREDIT
Students will be placed in this level of English, based on their performance in their Level I English course.
Designed to provide students with an in-depth study, analysis and application of literature, poetry, drama, vocabulary, speech and writing. Oral and nonverbal communications will be emphasized allowing students to obtain a greater fluency and poise in speech. Students will utilize library resources, as well as critical thinking skills such as literary analysis, problem-solving, evaluation, synthesis and inference. Emphasis is placed upon writing for a variety of purposes, both formally and informally.

ENGLISH ENRICHMENT II 1 CREDIT
Prerequisite: Multi Disciplinary Team identification as mentally gifted
Designed to offer gifted students an in-depth study of the English language. The students are exposed to further vocabulary enrichment and an eclectic selection of classical and world literature which, in turn, serves as a foundation for writing analyses, personal, expository and creative essays.

PRINCIPLES OF COMPOSITION & LITERATURE III 1 CREDIT
Designed to provide students with a broad background in American Literature and to build upon writing skills learned in previous English classes. Emphasis is placed on the integration of vocabulary, longer essays, and the reading and writing skills present in the Pennsylvania Academic Standards.

CONCEPTS OF COMPOSITION & LITERATURE III 1 CREDIT (Weighted Value 1.05)
Students will be placed in this level of English, based on their performance in their Level II English course.
Designed to challenge the college bound juniors. The course will prepare students for the reading and writing assessments they will encounter in college English. Emphasis will be placed upon writing literacy analysis, persuasive, evaluative, and informative essays. Critical thinking skills will be utilized to complete an 8-10 page literacy paper. Summer reading is required.

ENGLISH ENRICHMENT III 1 CREDIT (Weighted Value 1.05)
Prerequisite: Multi Disciplinary Team identification as mentally gifted
Designed to offer gifted students an in-depth study of American and British literature. The students are exposed to further vocabulary enrichment and an eclectic selection of classical and world literature which, in turn, serves as a foundation for writing analyses, personal, expository and creative essays. Emphasis is placed on literary analysis, argumentative essay, and creative nonfiction writing.

PRINCIPLES OF COMPOSITION & LITERATURE IV 1 CREDIT
Designed to provide students with a broad background in English Literature and to build upon writing skills learned in previous English classes. Emphasis is placed on the integration of vocabulary and writings related to specific literary assignments.
CONCEPTS OF COMPOSITION & LITERATURE IV 1 CREDIT (Weighted Value 1.15)
Students will be placed in this level of English, based on their performance in their Level III English course.

Dual Enrollment Option: 3 Credits at Mount Aloysius College (fee is required)
Designed to provide students with an in-depth study of English Literature with an emphasis on analysis, comparison, and evaluation. The composition element of the course will further develop skills necessary for college level writing.

ENGLISH ENRICHMENT IV 1 CREDIT (Weighted Value 1.15)
Prerequisite: Multi-Disciplinary Team identification as mentally gifted
Dual Enrollment Option: 3 Credits at Mount Aloysius College (fee is required)
Designed to offer gifted students an in-depth study of American and British literature. The students are exposed to further vocabulary enrichment and an eclectic selection of classical and world literature which, in turn, serves as a foundation for writing analyses, personal, expository and creative essays. Emphasis is placed on literary analysis, argumentative essay, and creative nonfiction writing.

ENGLISH ELECTIVES
(These courses do not apply to the English graduation requirement of 4 credits)

AP ENGLISH LITERATURE & COMPOSITION 1 CREDIT (Weighted Value 1.25)
Prerequisite: Concepts of Composition & Literature III with a minimum average grade of 93%
Dual Enrollment Option: 3 Credits at Mount Aloysius (fee is required)
Designed to provide students with an in-depth introduction to college-level English and to prepare the students to take the Advanced Placement English Literature Exam. Emphasis is placed on both survey and close reading and the literary essay. Summer reading is required.

BROADCASTING NEWS TECHNOLOGY 1 CREDIT (Weighted Value 1.15)
Prerequisite: Concepts of Composition I
This course is intended to challenge students in the genre of media literacy. Emphasis will be placed on students’ abilities to not only be an informed consumer of media but to also possess the intuitiveness of competencies that enable people to analyze, evaluate, and create messages in a wide variety of modes, genres and forms including but not limited to: public speaking, research, expository writing, marketing, public forums, debates, CCTV broadcasts, podcasts, webinars. Technological fluency is highly recommended for this course. This class is developed to challenge the vigorous student in preparation for higher learning. Students in this class will be responsible for preparing and reporting the school’s daily newscast and newspaper.

SOCIAL STUDIES DEPARTMENT
(3 credits required for graduation)

U.S. HISTORY 1 CREDIT
United States History (1915 to the present) is a broad study of the domestic and international history of the United States covering economic, social, and political issues related to this country in the twentieth century. Emphasis is placed on the political evolution of our democratic country and our major conflicts.

WORLD HISTORY 1 CREDIT
World History (1500 to present) is designed to provide students with an understanding of the economic, political, and social histories of various societies. The students will explore the key developments of the past from a human perspective. Emphasis is placed on gaining an understanding of the society’s past tradition, present life, and outlook for the future.

CIVICS & GOVERNMENT 1 CREDIT
Civics & Government is designed to provide students with information on local, state, and national governments within the United States. This includes the structures of, functions of, and interrelationships between these levels of government. The course will emphasize individual rights and responsibilities of being a citizen of the United States.
SOCIAL STUDIES ELECTIVES
(These courses do not apply to the Social Studies requirement of 3 credits.)

AP UNITED STATES HISTORY
1 CREDIT (Weighted Value 1.25)
Prerequisite: US History & World History
Dual Enrollment Option: 3 Credits at Mount Aloysius College (fee is required)
The Advanced Placement United States History course is designed to provide students with the analytical skills and factual knowledge necessary for college level United States History courses, as well as to prepare students to take both the Advanced Placement United States History Exam and courses at the collegiate level. Over the duration of the course students will examine major themes in the cultural, intellectual, economic, political, and societal history of the United States spanning from 1492 to the present. Emphasis is placed on developing the skills necessary to succeed in a college level history course. These include comprehension and analysis of primary sources, weighing evidence and interpretations presented in a historical context, and developing the ability to demonstrate an understanding of history through writing which utilizes a thesis statement and evidence.

AP EUROPEAN HISTORY
1 CREDIT (Weighted Value 1.25)
Prerequisite: US History & World History
The Advanced Placement European History course is designed to provide students with the analytical skills and factual knowledge necessary for college level European History courses, as well as to prepare students to take both the Advanced Placement European History Exam and courses at the collegiate level. Over the duration of the course students will examine major themes in the cultural, intellectual, economic, political, and societal history of Europe spanning from 1400 to the present. Emphasis is placed on developing the skills necessary to succeed in a college level history course. These include comprehension and analysis of primary sources, weighing evidence and interpretations presented in a historical context, and developing the ability to demonstrate an understanding of history through writing which utilizes a thesis statement and evidence.

PSYCHOLOGY/SOCIOLOGY
1 CREDIT (Weighted Value 1.05)
Dual Enrollment Option: 3 Credits at Penn Highlands Community College (fee is required)
Psychology will provide an opportunity to study individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems. Sociology will study human society and social behavior. It will examine humans in groups, and how groups influence a person’s behavior. The course is designed to give students an insight to psychological and sociological concepts in order to better understand themselves and others. Emphasis is placed on relevance of information to everyday life.

LAW/CURRENT EVENTS
1 CREDIT
The Law semester is designed to provide students with practical information about law that is useful in everyday life. Emphasis is placed on understanding of legal rights and responsibilities and knowledge of everyday problems, and the ability to analyze, evaluate and in some situations, resolve legal disputes. Current Events is designed to give students knowledge of current world, national, state, and local happenings. Emphasis is placed on relevance to daily life.

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

ECONOMICS
1 CREDIT (Weighted Value 1.05)
Dual Enrollment Option: 3 Credits at Mount Aloysius College (fee is required)
Designed to provide college bound students with analytic skills and factual knowledge necessary for a college level understanding of the major theories of micro and macro economics and the basic elements of the American capitalistic system. Emphasis is placed on relating current economic trends to economic theories, illustrating the government’s role in the system, and on personal finances. Students will participate in an opportunity to learn useful lifetime economic and financial concepts via a stock market project. Students may be afforded the opportunity to teach basic economic principles to elementary or middle school students in conjunction with the Junior Achievement program with guest speakers from the business community addressing practical work and economic issues.
SCIENCE DEPARTMENT
(3 credits required for graduation)
1 credit in Principles of Biology or Concepts of Biology
1 credit in Principles of Chemistry or Concepts of Chemistry
1 Science Elective

PRINCIPLES OF BIOLOGY 1 CREDIT
Designed to introduce students to the structures, functions, and relationships of individual living cells and their interactions with their environment. Emphasis is placed on the living multi-cellular complex, organisms, all structural levels, and the organisms’ interaction with their environment.

CONCEPTS OF BIOLOGY 1 CREDIT
Students will be placed in this level of biology, based on their performance in previous science course(s).
Designed to introduce students to the structures and functions of the living cell. Emphasis is placed on the cell and how its functioning determines who we are.

PRINCIPLES OF CHEMISTRY 1 CREDIT
This is a standard-based Chemistry course that offers a solid foundation in Chemistry. The course guides students through the structures of atoms and compounds, the usefulness of chemical equations, the periodic table and acids and bases. This laboratory course is also designed to help students use their knowledge to make informed decisions about chemical issues in their society and the world.

CONCEPTS OF CHEMISTRY 1 CREDIT
Students will be placed in this level of chemistry, based on their performance in biology and/or other previous science course(s).
Designed to develop analytical and logical thinking skills through a mathematical approach to understanding principles in science. Topics include scientific nomenclature, study of the periodic table, atoms and molecules in bonding, chemical reactions, and the study of gases. Labs are conducted in appropriate topics.

SCIENCE ELECTIVES

PHYSICS 1 CREDIT (Weighted Value 1.05)
Prerequisite: Algebra I (10th, 11th, or 12th grade students)
Dual Enrollment Option: 3 credits at Saint Francis University (fee is required)
Designed to provide students with both an understanding of the physical laws that govern our universe and the ability to interpret the phenomena that occurs in daily life. An in-depth study of mechanics is completed including such concepts as motion, forces, work, energy, power, momentum, and rotational equilibrium and dynamics. Additional topics include: black holes, foundation units of wave theory, electricity, and relativity. This course is designed for students considering a career in science, technology, engineering, math, or the health field.

CONSERVATION BIOLOGY 1 CREDIT
Prerequisite: Principles or Concepts of Biology
Designed to introduce students to the interaction of plants and animals in various ecosystems, with an emphasis on how our local ecosystems impact the global environment and how we influence and manage communities of plants and animals, and their niches and habitats, in our modern world.

ANATOMY AND PHYSIOLOGY 1 CREDIT (Weighted Value 1.05)
Prerequisite: Student must have earned a minimum grade of 90% in their preceding science course.
Dual Enrollment Option (available for juniors/seniors ONLY): 4 Credits at Mount Aloysius (fee is required)
Designed to equip students entering a medically related field of study with the basic essentials of medical terminology, anatomy of the human body, and an understanding of how it functions as a living unit. This course involves animal organ and animal dissections. The course will utilize a hands-on approach with greater use of lab experimentation. An electronic portfolio will no longer be required of students in this course.

ORGANIC CHEMISTRY 1 CREDIT (Weighted Value 1.15)
Prerequisite: Concepts of Chemistry
Designed to provide college bound science or pre-med students with an introduction of Organic Chemistry. Much of the time is spent on naming organic compounds and studying reactions and reaction mechanisms. The reactions are very much different than any reaction studied in General Chemistry.
ADVANCED PLACEMENT BIOLOGY 1 CREDIT (Weighted Value 1.25)

Prerequisite: Concepts of Biology, Concepts of Chemistry
Dual Enrollment Option: 4 Credits at Mount Aloysius (fee is required)

Designed to provide students with an in-depth introduction to college level Biology as well as to prepare the students to take the Advanced Placement Biology Exam. Emphasis will be on the structure and functions of the human cell as well as its cellular processes. This will lead into a study of multi-cellular organisms and their relationships with each other. This course involves animal dissection. It is recommended that a student has previously taken Anatomy & Physiology or is planning to schedule both courses in the same year.

ADVANCED PHYSICS 1 CREDIT (Weighted Value 1.15)

Prerequisite: Physics
Dual Enrollment Option: 4 Credits at Saint Francis University (fee is required)

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

COLLEGE CHEMISTRY 1 CREDIT (Weighted Value 1.25)

Prerequisite: Concepts of Chemistry
Dual Enrollment Option: 4 credits at Saint Francis University (fee is required)

Designed to provide students with the opportunity to take an introductory chemistry course that may be transferred into 4 college credits if the individual student registers and pays for the course through Saint Francis University. The course thoroughly examines topics theoretically with a mathematical emphasis.

MATHEMATICS DEPARTMENT
(4 credits required for graduation)

ALGEBRA I 1 CREDIT
The study of mathematics through the usage of variables to solve equations is the primary purpose of this course. Topics include: basic concepts in algebra, inequalities; linear equations and functions; polynomials, and rational expressions; irrational numbers, and quadratic equations and functions.

PRINCIPLES OF GEOMETRY 1 CREDIT
Prerequisite: Algebra I
Designed to provide students with an introduction to the foundations of geometry. Topics include points, lines, triangles, polygons, area, circles, etc. with an emphasis on problem solving.

CONCEPTS OF GEOMETRY 1 CREDIT
Prerequisite: Algebra I
Designed to provide students with an understanding of the relationship between points, lines, and planes. Topics include how these relate to angles, triangles, circles, polygons, etc. with an emphasis on problem solving in a logical sequence of steps.

PRINCIPLES OF ALGEBRA II 1 CREDIT
Prerequisite: Principles/Concepts of Geometry
Designed to provide students with an introduction to the Complex Number System. Topics include: linear equations and functions, inequalities, polynomials and quadratic equations.

ADVANCED ALGEBRA 1 CREDIT
Prerequisite: Algebra I
Designed to provide students with a practical, applied approach to algebra, geometry and a basic introduction to trigonometry. Topics range from reading tables to using square roots and cube roots in equations, with an introduction to trigonometric functions and applications.

CONCEPTS OF ALGEBRA II 1 CREDIT
Prerequisite: Principles/Concepts of Geometry
Designed to provide students with an understanding of the Complex Number System. Topics include: linear equations and functions, inequalities, polynomials and quadratic equations.
ALGEBRA III/TRIGONOMETRY  
1 CREDIT  
**Prerequisite:** Principles/Concepts of Algebra II  
**Dual Enrollment Option:** 3 Credits @ Penn Highlands Community College (fee is required)  
Designed for college bound students. Pace of course average to include topics in trigonometry, statistics, and discrete mathematics.

PRE-CALCULUS/TRIGONOMETRY  
1 CREDIT  
**Prerequisite:** Concepts of Algebra II  
**Dual Enrollment Option:** 3 Credits @ Penn Highlands Community College (fee is required)  
Designed for college bound students considering the pursuit of a mathematics related field. Pace of course increased to include topics in trigonometry, statistics, and discrete mathematics.

COLLEGE CALCULUS  
1 CREDIT (Weighted Value 1.25)  
**Prerequisite:** Pre-Calculus/Trigonometry  
**Dual Enrollment Option:** 4 Credits @ Mount Aloysius (fee is required)  
Designed to provide students with the opportunity to take an introductory calculus course that may be transferred into 4 college credits if the individual student registers and pays for the course through the University of Pittsburgh. The credit and grade will transfer to the University of Pittsburgh. The course moves at a faster pace than calculus and covers all topics of a college level calculus course. Students who plan to major in a natural science in college are advised not to take this course for college credit. This course would specifically benefit any student entering into the core sciences, such as Engineering, Physics, Math, Chemistry, Biology or Computer Science.

PERSONAL FINANCE  
1 CREDIT  
This course is reserved for the fourth credit of required math; it therefore is usually scheduled by seniors only. Designed to provide students with knowledge and understanding of everyday life mathematics. Topics range from salaries and overtime to insurance, mortgages, making purchases and borrowing money. Daily uses of consumer topics include balancing a checkbook and creating a budget.

STATISTICS/PERSONAL FINANCE  
1 CREDIT  
This course is reserved for the fourth credit of required math, it therefore is usually scheduled by seniors only. This course is designed to give students an introduction to basic college statistics concepts, such as standard deviation, data analysis, and confidence intervals, and see how statistics are used in various occupations and real-life situations. Students will also gain the knowledge and understanding of everyday life mathematics. Topics range from salaries and overtime to insurance, mortgages, making purchases and borrowing money. Daily uses of consumer topics include balancing a checkbook and creating a budget are covered in this course.

TECHNOLOGY/BUSINESS DEPARTMENT

STEM COURSES:

EXPLORING STEM CONCEPTS  
1 CREDIT  
Designed to provide students with an opportunity for inquiry, design, and exploration in the interrelated fields of Science, Technology, Engineering, and Math. These skills will be necessary for today’s students to become tomorrow’s leaders. Current and emerging jobs are requiring workers to have a greater ability to think critically, work independently, and collaborate as a team. This course will offer a creative and innovative way to problem-solve and apply what has been learned.

ADVANCED STEM CONCEPTS  
1 CREDIT  
**Prerequisite:** Exploring STEM Concepts  
This course is taken after Exploring Concepts of STEM has been successfully completed. The course continues to provide students with an opportunity for inquiry, design, and exploration in the interrelated fields of Science, Technology, Engineering, and Math. Skills gained from the first year of STEM are expanded upon using more independent project research and design. The students will be required to think critically, work independently, and collaborate as a team. The students will problem-solve and apply what has been learned in creative and innovative ways. Current events in STEM will also be a component of the course.

COMPUTER PROGRAMMING COURSES:

GAME DESIGN  (Gaming Through the Ages)  
1 CREDIT  
In this course, students explore ancient cultures, their games, and how they designed games using available technology and resources. Students will prototype and play games, as well as get hands-on experience creating their own original game. Later in the course, students will also use professional game design techniques to create playable mobile games that they can add to their game design portfolio.
GAME MAKER PROGRAMMING 1 CREDIT
Learn the concepts taught in a college-level “Programming 101” course, but all of the projects are games! Students will receive an introduction to basic programming by building two dimensional (2D) games. GameMaker™, the 2D game engine students be using, is based on a scripting language that builds techniques that can be transferred to any other programming language such as Python, Java and C++. Students will finish complete games that can be played with friends and added to their digital portfolio.

3D MODELING 1 CREDIT
Learn the 3D modeling techniques used in movies, visual effects, video games, cartoons, commercials, and animation! Using 3DS Max, students will work in this highly skill-based art form to manipulate and sculpt pure imagination into substantial forms. By the end of the course, students will have developed a portfolio of original projects that they can use when applying for an internship, higher education, or a job.

GAME PRODUCTION 1 CREDIT
Prerequisite: Teacher Recommendation
Students are you ready to take your programming skills into the next dimension? Learn how to create dynamic Unity™ 3D games using the same industry-standard developing engine as professionals. Students will create two fully executable games that can be played on many platforms and added to your digital portfolio. After creating your games, find out how the video game industry really works by learning the tools, skills, and methodologies used to create and produce video games. Students will be divided into teams to create, market, and sell your game while battling for the title of “Most Games Sold” using a virtual-dollar system. Commercially viable board and card games may result, and recommendations are given at the end of the course for taking them to market.

COMPUTER APPLICATIONS COURSES:

WEB DESIGN/COMPUTER INTEGRATION 1 CREDIT
This is a course designed for students who want to learn how to create effective websites. In this course, students will learn the theory and design of effective website creation. Students will be introduced to the use of HTML and CSS to create web pages. Students will be responsible for researching effective web design and theory and then applying what they have learned. The Computer Integration portion of the course is designed to develop necessary skills in the area of technology. Emphasis is placed on networking, internet, hardware, software, and project development skills. This course also teaches practical hands-on approaches that can be used in future courses and projects.

MICROSOFT OFFICE 1 CREDIT
Dual Enrollment Option: 3 credits @ Mount Aloysius College (fee is required)
Microsoft Office will prepare students to successfully complete the Microsoft Office User Specialist Certification program. With a structured curriculum that maps directly to the MOUS certification exam, students will participate with teacher instruction, skills assessment, and e-learning activities. At the end of the course, students will be prepared with a more powerful use of Microsoft Office and will also be prepared for the MOUS certification exam.

YEARBOOK 1 CREDIT
Requirements to schedule this course: Experience in the following areas: writing, keyboarding, using computers, ability to meet deadlines
Designed to provide students with the opportunity to incorporate the knowledge of desktop publishing with the practical application of producing the yearbook. Photography, journalism and marketing the yearbook are emphasized

BROADCASTING NEWS TECHNOLOGY 1 CREDIT (Weighted Value 1.15)
Prerequisite: Concepts of Composition I
This course is intended to challenge students in the genre of media literacy. Emphasis will be placed on students’ abilities to not only be an informed consumer of media but to also possess the intuitiveness of competencies that enable people to analyze, evaluate, and create messages in a wide variety of modes, genres and forms including but not limited to: public speaking, research, expository writing, marketing, public forums, debates, CCTV broadcasts, podcasts, webinars. Technological fluency is highly recommended for this course. This class is developed to challenge the vigorous student in preparation for higher learning. Students in this class will be responsible for preparing and reporting the school’s daily newscast and newspaper.

BUSINESS COURSES:

ACCOUNTING 1 CREDIT
Designed to provide students with the skills needed for today’s accounting profession as well as a procedural and conceptual understanding of the entire accounting system.
BUSINESS E.M.M.A.

Prerequisite: Accounting

Students will be exposed to a variety of topics including the worlds of Entrepreneurship, Marketing, Management, and Accounting. Students will be provided information on becoming an entrepreneur and the basics of successfully managing their own business. Students will create and write a business plan, market the business, obtain employees, open accounts (accounts payable/receivable etc.), and purchase the necessary insurance for liability purposes.

ECONOMICS

1 CREDIT (Weighted Value 1.05)

Dual Enrollment Option: 3 Credits at Mount Aloysius College (fee is required)

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

HUMANITIES DEPARTMENT

VISUAL ARTS COURSES:

DRAWING/DESIGN

1 CREDIT

Designed to provide students with a broad based study of traditional and contemporary methods, using a variety of materials and techniques. Emphasis will be placed on composition, creative and expressive use of original ideas in student projects/workbook and e-portfolio development. Topics include: Design and Drawing projects, Art workbooks, and E-portfolios.

PAINTING/PRINTMAKING

1 CREDIT

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

PHOTOGRAPHY/DIGITAL MEDIA

1 CREDIT

Designed to provide students with a sequential study of photography, from simple to complex processes, using both traditional and contemporary media (film and digital). With the convergence of photography and digital media, emphasis will be placed on the integration of these formats and developing technical skills, to foster creative expression in student work and portfolio development. The primary software used will be Adobe Photoshop CS3/CS4. Topics include: an overview of photography/photographers and a unit on film processes. The majority of the class time will be spent on digital photography/techniques, E-portfolio and Digital Media.

PERFORMING ARTS COURSES:

CONCERT BAND

1 CREDIT

Designed to offer students the chance to further his/her skills on a musical instrument. Emphasis is placed on total understanding of the music being performed and concentrates mainly on wind literature of the 19th and 20th centuries. Members of the concert band will also be introduced to theoretical aspects of music. Members will participate in at least two public performances during the school year.

CONCERT CHORUS

1 CREDIT

Designed to offer students the chance to further musical skills through performance of vocal literature. The course is comprehensive, and students will study the best in choral literature from the 16th through the 20th centuries, with significant emphasis placed upon the historical and theoretical aspects of the music. In addition, students will study physiology of the voice and gain a better understanding of the vocal mechanism. Members of the organization will participate in at least two public performances during the school year.

FOREIGN LANGUAGE COURSES:

FRENCH I

1 CREDIT

Designed to introduce students to the sentence structure, conjugation of verbs, formation of commands and vocabulary of the French language. Emphasis is placed on speaking and writing the language.
FRENCH II 1 CREDIT
Prerequisite: French I
Dual Enrollment Option: 3 Credits at Penn Highlands Community College (fee is required)
Designed to provide students with a continuation of French I and the learning of vocabulary, grammar, and compound tenses. Continued emphasis is placed upon more complex structures in speaking, writing, listening, and reading proficiency.

FRENCH III 1 CREDIT (Weighted Value 1.05)
Prerequisite: French II
Designed to provide students with continued proficiencies introduced in previous French classes clarifying all grammar and conjugations in the three moods of indicative, subjunctive and imperative. Students continue to increase their abilities in reading comprehension, speaking, and writing using French as a second language. Emphasis is placed on vocabulary enlargement, and the history, culture, and traditions of French-speaking people.

FRENCH IV 1 CREDIT (Weighted Value 1.15)
Prerequisite: French III
Dual Enrollment Option: 3 Credits at Penn Highlands Community College (fee is required)
Provides students with an extension of French III. Emphasis is placed on reading with comprehension, vocabulary enlargement, and speaking more fluently. Also it prepares students to take college entrance tests.

SPANISH I 1 CREDIT
Designed to introduce students to the sentence structure, conjugation of verbs, formation of commands and vocabulary of the Spanish language. Emphasis is placed on speaking and writing the language.

SPANISH II 1 CREDIT
Dual Enrollment Option: 3 credits at Saint Francis University (fee is required)
Prerequisite: Spanish I
Designed to provide students with a continuation of Spanish I and the learning of vocabulary, grammar and compound tenses. Continued emphasis is placed upon more complex structures in speaking, writing, listening and reading proficiency.

SPANISH III 1 CREDIT (Weighted Value 1.05)
Prerequisite: Spanish II
Designed to provide students with continued proficiencies introduced in previous Spanish classes clarifying all grammar and conjugations in the three moods of indicative, subjunctive and imperative. Students continue to increase their abilities in reading comprehension, speaking, and writing using Spanish as a second language. Emphasis is placed on vocabulary enlargement, and the history, culture, and traditions of Spanish-speaking people.

AP SPANISH LANGUAGE & CULTURE 1 CREDIT (Weighted Value 1.25)
Dual Enrollment Option: 3 credits at Saint Francis University (fee is required)
Prerequisite: Spanish III
Designed to provide students with an in-depth introduction to college-level Spanish and help them prepare to take the Advanced Placement Spanish Language & Culture Exam. Emphasis will be placed on improving reading and listening comprehension, increasing vocabulary, and speaking more fluently.

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION .25 CREDIT
Students MUST pass 16 quarters of Physical Education to be eligible to graduate.
Designed to provide students with the opportunity to achieve physical fitness through activity and stress reduction. Emphasis is placed on enhancing knowledge and skills needed to participate in various sports activities as well as teamwork and working with others.

ADIMIRAL PEARY AVTS CAREER EXPLORATORY PROGRAMS
In addition to the traditional four-period courses offered at APAVTS, one period Career Exploratory Programs are also offered. Students may select only one Exploratory course per year.

CARPENTRY 1 CREDIT
Students will be provided an overview of construction and finish carpentry. They will be trained to construct, erect, install and repair structures of wood using the tools necessary to achieve the desired product.
COMPUTER AIDED DRAFTING (CAD) 1 CREDIT
Students will study architectural and mechanical designs and learn how to produce extremely accurate drawings using CAD software, creating both 2D and 3D photo-realistic model drawings including an animated walk-thru.

EARLY CHILDHOOD TEACHER EDUCATION 1 CREDIT
This program prepares students to work with young children in a variety of settings that require an understanding of how children grow, learn and develop. Students in this program interact with preschool children ages 3-5 in learning centers at APVTS.

ENGINEERING TECHNOLOGY 1 CREDIT
Students will learn to use tools and machines used in metal working and utilize computer programs to manufacture parts. Highly technical software is used in this program.

HEATING/VENTILATION/AIR COND./REFRIGERATION 1 CREDIT
Students will be exposed to one of the hottest career fields in today’s economy: Heating/Ventilation/Air-Conditioning and Plumbing. Students will study the fundamentals of installation, repair and maintenance and design of systems as well as basic electricity.

MASONRY 1 CREDIT
Students will learn basic tools of the trade. Students will be exposed to theory and applications leading them to build block and brick walls, arches, and chimneys.

SMALL ENGINE MECHANICS 1 CREDIT
Students will learn the basics of the internal combustion engine. This course will also provide instruction on carburetors, proper care, maintenance, and troubleshooting of various small engines.

ADMIRAL PEARY AREA VOCATIONAL TECHNICAL SCHOOL CERTIFICATION PROGRAMS
(Descriptions of these programs are listed in the APAVT Course Catalog, available in the CCHS Guidance Office.)

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

ENGINEERING/MANUFACTURING
WELDING 4 CREDITS
ENGINEERING TECHNOLOGY 4 CREDITS
COMPUTER AIDED DRAFTING 4 CREDITS

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

HEALTH AND HUMAN SERVICES
COSMETOLOGY 4 CREDITS
HEALTH ASSISTING 4 CREDITS
CULINARY ARTS 4 CREDITS
EARLY CHILDHOOD TEACHER EDUCATION 4 CREDITS

INFORMATION TECHNOLOGY
NETWORKING TECHNOLOGY 4 CREDITS