benedictine

2025-2026

Benedictine High School Course Catalog

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COLLEGE CREDIT PLUS (CCP) SUMMARY

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Grading Scale and Graduation Requirements

Grading Scale

The following percentage grading scale is in effect at all times.

	Percentage	Point Value		Percentage	Point Value
A+	98-100	4.3	C	77-79	2.0
A	95-97	4.0	C-	74-76	1.7
A-	92-94	3.7	D+	71-73	1.3
B+	89-91	3.3	D	68-70	1.0
B	86-88	3.0	D-	65-67	0.7
B-	83-85	2.7	F	0-64	0
C+	80-82	2.3			

	REGULAR	HONORS	AP
A+	4.3	4.8	5.3
A	4.0	4.5	5.0
A-	3.7	4.2	4.7
B+	3.3	3.8	4.3
B	3.0	3.5	4.0
B-	2.7	3.2	3.7
C+	2.3	2.8	3.3
C	2.0	2.5	3.0
C-	1.7	2.2	2.7
D+	1.3	1.8	2.3

D	1.0	1.5	2.0
D-	0.7	1.2	1.7

If a student warrants dismissal from Benedictine or leaves of his own accord before taking final exams for the semester, he will not be granted any credit for that semester. Exit grades will be forwarded to his next school upon request.

Calculating Grade Point Average (G.P.A.)

Example of Computing the Grade Point Average:

Course	***Letter Grade***	***Credit***	***No. Of Sem.***	***Weighted Credits***	***Quality Points***
English	B	1.00	2	(1x2/2)=1	(3x1)=3
Phy. Ed.	B	.25	2	(0.25x2/2)=.25	(3x.25)=.75
Health	B	.50	1	(0.5x2/1)=1	(3x1)=3
Algebra	C	1.00	2	(1x2/2)=1	(2x1)=2
Total				3.25	8.75
G.P.A.					2.69

Add up the quality points and divide the total by the number of weighted credits. Weighted credits reflect the total weight of a grade calculated with the number of semesters it is taken. A 1 credit class for two semesters is similar to two 0.5 credit classes taken in different semesters. The number for quality points was obtained from the chart on the previous page.

Graduation Requirements

Graduation Requirements for the Classes of 2025, 2026, and 2027:

4 credits	English (requiring 1 year American Literature and 1 year of British Literature)
4 credits	Theology (1 for each year of attendance at BHS)

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4 credits	Mathematics (requiring the completion of Geometry and Algebra 2)
3 credits	Social studies—1 credit Modern World History, 1 Credit U.S. Government, and 1 Credit American History
3 credits	Science (requiring Physics, Chemistry, Biology)
3 credits	Elective courses (for the Class of 2026 and Class of 2027 0.5 credit of electives must be in Financial Literacy)
2 credits	The same foreign language for two consecutive years
1 credit	0.5 Health and 0.25 PE1 0.25 PE2 or Flex Credit (attained by 2 consecutive years of a sport or marching band)
1 credit	Fine Arts
25 credits	Total

Graduation Requirements for the Class of 2028 and subsequent years:

4 credits	English (requiring 1 year American Literature and 1 year of British Literature)
4 credits	Theology (1 for each year of attendance at BHS)
4 credits	Mathematics (requiring the completion of Geometry and Algebra 2)
3 credits	Social studies—1 credit Modern World History, 1 Credit U.S. Government, and 1 Credit American History
3 credits	Science (requiring Physics, Chemistry, Biology)
3.5 credits	Elective courses
0.5 credit	Financial Literacy (Classes of 2026, 2027, 2028)
2 credits	The same foreign language for two consecutive years
1 credit	0.5 Health and 0.25 PE1 0.25 PE2 or Flex Credit (attained by 2 consecutive years of a sport or marching band)
1 credit	Fine Arts
26 credits	Total

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Business Program

Principles of Business

1st Semester

Credit: 0.5

Principles of Business, a project-based business course, develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of three projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

Principles of Economics

2nd Semester

Credit: 0.5

In Business Economics, a project-based business course, students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, government policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Decision matrices are introduced, and the importance and costs of quality are stressed. Students develop their knowledge and skills in such areas as economics, entrepreneurship, operations, and professional development. Throughout the course, students will be presented with current economic problems for which they are asked to determine solutions, often through the application of decision matrices.

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Principles of Marketing

1st Semester

Credit: 0.5

Principles of Marketing is a project-based business course that develops student understanding and skills in the functional areas of marketing: channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues. Decision matrices are employed to aid in market planning.

Principles of Finance with Accounting

2nd Semester

Credit: 0.5

Principles of Finance (with Accounting) furthers student understanding of two specific business activities— accounting and finance—that were introduced in an earlier High School of Business™ course, Principles of Business. Through multiple projects, students make connections between accounting, with an emphasis on cash flow, and finance, with an emphasis on decision-making. Students acquire an understanding of financial statements, calculate financial ratios, and make business decisions based on their interpretation of those financial statements and ratios. In addition, students determine business-financing options, as well as develop an appreciation for types of financial service providers and financial markets. Decision matrices are employed to aid in financial planning. On the accounting side, it provides the basic principles of accounting, how to open a set of financial records, how to journalize, post, prepare financial statements and close records. This basic accounting cycle will be expanded on as the course progresses so that the student gains a general understanding of accounting principles.

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Principles of Management

1st Semester

Credit: 0.5

Principles of Management is a project-based business course that expands student understanding of management. Students acquire an appreciation for aspects of management, such as project management, human resources management, knowledge management, quality management, and risk management. In addition, ethical and legal considerations affecting business activities are stressed, and students develop managerial and supervisory skills through interaction with lower grade-level High School of Business™ students. Decision matrices are employed to aid in management planning.

Business Strategies

2nd Semester

Credit: 0.5

Business Strategies serves as the capstone course for the High School of Business™ program. Students employ their decision matrices to finalize marketing, financial, and management plans developed previously, incorporating them into a business plan for a non-profit organization. The non-profit venture is actualized during the course, requiring students to engage in risk assessment, strategic planning, and performance assessment.

Additional College Credit Course Opportunity

Honors Microeconomics (Entrepreneurship)

Full year

Credit: 1.0

Students will study and practice entrepreneurship in a course that will introduce them to the benefits and challenges of the entrepreneurial experience, in a program that will have students interact with entrepreneurs from the Benedictine and Cleveland

communities. The class will use the project based learning method to introduce students to core concepts of business planning including opportunity recognition, financial modeling, financing, accounting principles, and marketing while also exploring the importance of ethics in business. The class is also involved in the Veale Youth Entrepreneurship Forum that takes students beyond the classroom and into the real world of entrepreneurship. Though a collaborative network of educators, business leaders, and college-level resources, VYEF offers programs and experiences that allows students to think creatively and analytically, recognize business opportunities, take initiative, solve problems, persist through failure, communicate persuasively, develop and entrepreneurial mindset, and earn college credit through the Jacobson Institute at the University of Iowa.

Prerequisite: Junior or Senior

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Computer Program

AP CS Principles

1st semester/ 2nd semester

Credit: 0.5 per semester

Weighted as AP/CCP

AP Computer Science Principles introduces students to the central ideas of computer science inviting students to develop the computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. Will satisfy the state/BHS math credit requirement.

Cleveland State University Computer Science:

2nd semester

Credit 1.0

Weighted as CCP/AP

Computer Science Principles introduces students to the central ideas of computer science inviting students to develop the computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists writers computer scientists and engineers use to bring ideas to life

College Credit Plus Requirement: You must attend the CCP meeting during the 2nd semester as well as apply for CCP funding in order to be scheduled for this class.

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Carnegie Mellon University/Computer Science Academy
CS1 Introduction to Programming and Computer Science

Full year

Credit: 1.0

Weighted as AP

Computer Science and computational problem solving are fundamental skills for engaging the 21st-century marketplace of ideas and economies. We believe that all students should have the opportunity to learn these skills as they will use them in whatever career they are likely to enter. No prior programming experience is required. It is predicated on the notion that learning about programming and computer science should be fun and engaging. This requires interesting problems to solve, as computational problem-solving is the core of computer science. It is why we choose to first expose students to graphical Python problems in CS1: they are visually engaging, allow for multiple correct solutions, and provide visual cues when a solution goes awry.

Introduction to Engineering and Computer Science

Semester

Credit: 0.5

This is a project-based, cross-curricular course that includes topics from Math, Engineering, Public Speaking, Film and Social Studies. Students are expected to work in teams to solve a multi-step problem that requires planning and cooperation. They will be assessed by the performance of their work product as well as level of collaboration.

Computer Repair

Full Year

Credit: 1.0

This course follows the online TestOut PC Pro 7.0 curriculum. Additionally, it provides hands-on practical experiences in the classroom. The purpose of this course is to prepare students for the Core1 and Core 2 A+ certification exams. Students will receive a CompTIA A+ certification upon successful completion of the class.

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Engineering Program

Tri-C Introduction to Robotics I

1st semester

Credit: 0.67 (Non-CCP 0.5)

Weighted as CCP/AP

This course replicates Tri-C EET-1100; Introduction to Robotics. Successful completion will result in two (2) credit hours through Tri-C.
Semester 1: Introduction to direct current circuits, binary and hexadecimal numbering systems, signed numbers and elementary programming language statements (confined to programming a robot in-laboratory component).

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

Tri-C Introduction to Basic Robotics with Math II

2nd semester

Credit: 0.67 (Non-CCP 0.5)

Weighted as CCP/AP

This course replicates EET-1150 Basic Robotics with Math. Successful completion will result in two (2) credit hours through Tri-C.
Semester 2: Course provides an introduction to robotic principals using C programming with an emphasis on math.
Prerequisite: Students must have completed Tri-C Introduction to Robotics I.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

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Tri-C Special Topics: Single Board Computing (Non-CCP RaspberryPi)

1st semester

Credit: 1.0 (Non-CCP 0.5)

Weighted as CCP/AP

Build your own mini-computer! This course replicates Tri-C EET-1185. Successful completion of this course will result in 1 credit hour through Tri-C.
Semester 1: Introductory course on Single Board Computers (SBC) with an emphasis on embedded applications.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

Tri-C Unmanned Aerial Vehicles (Non-CCP Drones)

2nd semester

Credit: 1.0 (Non-CCP 0.5)

Weighted as CCP/AP

Build and fly drones! This course replicates Tri-C EET-1195. Successful completion of this course will result in 1 credit hour through Tri-C.
Semester 2: Addresses the emerging market for unmanned aerial vehicles (drones), their ethical use, safety issues, legal issues, electrical and mechanical components, on-board control systems, software and remote control.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

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Tri-C 3D Modeling AutoCAD and Solidworks

1st semester/2nd semester

Credits: 2.0 (Non-CCP 0.5)

Weighted as CCP/AP

Create your own 3D computer models, and print them out on the 3D printer! This course replicates Tri-C MET-1230 Drawing & AutoCAD and MET-2601 3D Solid Modeling. Successful completion of this course will result in six (6) credit hours through Tri-C. 3 credits

Apply visualization skills in the interpretation of orthographic projections and pictorial drawings. Manual drafting as well as use of CAD systems to accomplish drafting tasks are emphasized. Covers special terms and definitions used in computer-assisted drafting, the roles technical drawings play in production, manufacturing and products design process. AutoCAD solid and surface model for product development, optimization of design and design documentation. Complete set of production drawings created using 3D drawing environments. Principles of parametric design, and functional assemblies directly applied. Emphasis tailored to 3D modeling for enhanced part description.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

English Program

English I

Full year

Credit: 1.0

Establishing a foundation for future English studies, this course provides the student with a comprehensive background in the theory and application of standard English grammar. Students also will begin the writing program, utilizing their knowledge of grammar to aid in producing a variety of compositions in length and purpose. Such composition skills as organization, paragraph structure and development form the basis of the composition section. In addition, students will learn research skills and the Modern Language Association format for research papers. Finally, students will begin their study of literature with exposure to a variety of myths, drama, fiction and poetry.

Honors English I

Full year

Credit: 1.0

Weighted as Honors

This course will introduce the student to the impact of the written word through immersion in a wide variety of works, ranging from the myth to the novel. Students will appreciate the stylistic choices of an author as well as the historical context of composition. In addition, by learning the fundamentals of English grammar, the student will understand how the language works, which will help him to produce frequent written responses to the course material. Finally, this course will prepare the student to master the basic procedures and formatting for research papers, specifically, the Modern Language Association model.

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English II

Full year

Credit: 1.0

The student continues his study of literature and composition in this course, which builds closely on the freshman year. The student will examine all major genres in depth, with an emphasis on analysis of long fiction, poetry, Shakespearean drama, the essay and classical literature. The writing process makes up a significant part of this course as well, with frequent essay assignments providing opportunities for the student to improve mechanics and structure of his writing.

Honors English II

Full year

Credit: 1.0

Weighted as Honors

The student will continue his study of literature in this course with an intense analysis of genres and texts. Students bring this knowledge to the interpretation of some seminal works of Classical Literature, Shakespeare and great works from all periods. Deductive, standard modes of expository composition provide the framework for the writing portion of this course.

English III

Full year

Credit: 1.0

This course surveys great works of American literature from the 17th century to today. Selections illustrate the variety of genres and temperaments which engaged American authors against the background of historical events and cultural movements. The student will also continue his study of composition by writing essays in several expository modes and revise them as needed.

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Honors English III

Full year

Credit: 1.0

Weighted as Honors

This course in American Literature covers the major authors, works, movements and philosophies of America from the Puritans through the 20th century. Cross currents in the arts, film, music and pop culture present a context for study. Students will write analytical and argumentative papers which study the American language and themes in basic expository modes.

English IV British Literature

Full year

Credit: 1.0

The concentration of this course is on the major works of the British Isles from the Middle Ages to the contemporary era. Students will appreciate historical changes and variations in the pronunciation, vocabulary and syntax of the English language as they explore the evolution of literature. Students will connect major authors of Great Britain to historical and cultural shifts. In addition, students will write a variety of formal and informal essays with a focus on editing and style in preparation for college.

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Great Stories

Semester

Credit: 0.5

This course will examine some of the most well known heroes and their struggles throughout literature. We will read stories in several genres from the Classical through the Modern eras. The course will present and try to answer questions such as, "What makes a story 'great'?, or "How do various cultures and eras define 'heroism' and 'villainy'?" Some of the famous characters we will encounter are Achilles, El Cid, Faustus, Dante and King Lear. This course can replace 1 semester of English IV British Literature. *Prerequisites*: *Sophomore, Junior, or Senior.*

Cleveland State University College Writing I (ENG 101)/AP English

1st Semester

Credits: 3.0 (Non-CCP 0.5)

Weighted as AP/CCP

This course replicates Cleveland State University's College Writing I. Successful completion with at least a "C+" will result in three (3) college credits through Cleveland State University. The first semester focuses on expository composition with a concentration on concept, organization and editing. Students will evaluate sources for their papers and incorporate them into the final essays. The literary selections will be drawn from a wide array of works, from the classical era to the present.

The second semester presents to the student the basic critical schools for interpretation. These include New Historicism, Marxism, Psychoanalytic, New Criticism, Structuralism and Deconstruction. Students will apply these schools of thought to discover how interpretations work and how literary pieces may be viewed quite differently.

In addition, this course will prepare students to take the A.P. English literature exam. Students will analyze prose and poetry and respond in writing assignments which

satisfy the A. P. standards. Film, artwork and musical pieces will connect the content of this course with wider cultural movements.
Prerequisite: Senior

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

AP English

2nd Semester

Credits: 3.0 (Non-CCP 0.5)

Weighted as AP/CCP

The first semester focuses on expository composition with a concentration on concept, organization and editing. Students will evaluate sources for their papers and incorporate them into the final essays. The literary selections will be drawn from a wide array of works, from the classical era to the present.

The second semester presents to the student the basic critical schools for interpretation. These include New Historicism, Marxism, Psychoanalytic, New Criticism, Structuralism and Deconstruction. Students will apply these schools of thought to discover how interpretations work and how literary pieces may be viewed quite differently.

In addition, this course will prepare students to take the A.P. English literature exam. Students will analyze prose and poetry and respond in writing assignments which satisfy the A. P. standards. Film, artwork and musical pieces will connect the content of this course with wider cultural movements.
Prerequisite: Senior

Creative Writing

Semester

Credit: 0.5

In this course, the student will appreciate and practice the methods of producing a variety of literary genres, such as poetry, drama, scripts, essays, fiction and nonfiction. Each student will develop his own literary voice and style. The student will engage in peer editing and response and group readings. Each student will maintain a portfolio of works for publication. Extra credit is available for students who work on the school literary magazine.

Film

Full year

Credit: 1.0

In this course, students will learn about the history and art of film with a goal of understanding it as the most influential populist artform of 20th century America. In a broad sense, students will see film as a staple of a modern liberal arts education and, more specifically, they will become aware of the language of the camera and the arts of lighting, color and staging. Technological innovations as well as the business dimensions of the film will be explored as part of its cultural role in the world. Students will view classic and contemporary films from a wide range of eras and cultures with a view towards criticism and theory of cinema.
Prerequisite: Junior or Senior

Journalism & Mass Communications

Semester

Credit: 0.5

This course has two goals: 1) to help the student analyze and critique mass media, including television, film, radio, print and social media platforms; and 2) to offer the student opportunity to learn the particular methods of writing for the media, especially newspapers, and design As time permits, the student will also examine the ethics and techniques of public relations and advertising. In addition, the ethics, history and economics of the mass media will be presented. Students are encouraged to apply their skills to the school newspaper and may receive additional credit for any work done on it.

Speech & Debate

Semester

Credit: 0.5

The student in this course will make regular oral presentations in a variety of genres and circumstances, including formal, informal, competitive, ceremonial and impromptu speeches. The student will have opportunities to critique himself and others in terms of various aspects of delivery and rhetoric. Also, Robert's Rules of Order and meeting decorum will be practiced.
Students will also learn the rules and procedures of scholastic debate, including policy, values and cross-examination debates. Students will learn logic, research, sourcing and effective organization as part of the debate process. Each student will engage in several lively debate competitions.

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Fine & Performing Arts Program

Calligraphy I

Semester

Credit: 0.5

Even though computers have great fonts and characteristic perfection, artists who have developed great handwriting skills are in demand for wedding invitations and other special occasions. The beauty of great handwriting is a marketable skill these days. Not to mention a meditative and very satisfying hobby that pays and impresses. Join us to learn how to read, create, and write calligraphic artistry with a variety of media. Something you can use your whole life long. No "artistic" background or ability is required, just a desire to learn new skills and see results.

Calligraphy II

Semester

Credit: 0.5

This class continues the development of skills from Calligraphy I. Exercises include analysis and practice of advanced Calligraphic hands and lettering, including different types of letter decoration. The final project will involve a study and practice of letter and text illumination involving a variety of decorations, use of metal leaf, and overall artistic interpretation using a variety of advanced hands and lettering.

Animation

Full year

Credit: 1.0

They will create various types of animation, such as stop motion animation with paper, legos, and clay as well as flash animation. Students will utilize Adobe Animate, Adobe After Effects, and Adobe Premiere Pro computer software programs as tools to enhance their animations. Additionally, they will learn the history of animation and mainstream and independent animators. In the larger context, students will learn to

write a story, develop characters, create storyboards, design a set and use sound. The elements and principles of design will be emphasized in a search for good composition and interesting visual imagery.

Digital Photography

Full year

Credit: 1.0

Students will learn how to create good composition with digital photography, using DSLR cameras. They will learn various techniques using DSLR cameras and learn how to edit photos in Lightroom Classic as well as how to combine and enhance photos in Photoshop. They will learn skills that are easily applied to many careers, such as photojournalism, sports photography, food photography, portrait photography, wedding photography, etc.

Drawing

Full year

Credit: 1.0

This course focuses on the fundamentals of drawing for realism. The student will learn sighting skills, rendering to create the illusion of depth, and the components of good composition. Various materials, such as colored pencil, markers, charcoal, and pen and ink add variety to the course and enable each student to find his niche. All will learn to draw—No experience necessary!

Graphic Design

Full year

Credit: 1.0

The students will learn about digital and commercial art. Students will learn how to use Adobe Illustrator and Photoshop, utilizing many different tools and techniques in the software programs. They will work like real graphic designers and have “jobs” to create many different projects, such as designing the yearbook cover for the school,

typography portrait, travel poster, holiday card, resume, etc. They will learn to work through projects, from brainstorming to creating production worthy pieces of art, in an organized and professional manner while experimenting with a variety of techniques including computer graphics.

Painting

Full year

Credit: 1.0

The students will learn how to paint, blend, and mix colors, focusing on acrylic paint. They will learn a variety of painting techniques as they create their own artworks on canvas. Works of great artists throughout history will be used to experience and understand the elements and principles of design and the art of creating good composition.

Sculpture

Full year

Credit: 1.0

The students will learn about different kinds of sculpture and how to work with three-dimensional materials. This class will include printmaking, wire, clay, paper mache, and plaster. The students will utilize various techniques while creating art and will learn about artists working with the same medium.

Men's Chorus

Full year

Credit: 1.0

Students enrolled in Men's Chorus will develop their voices and learn the basics of singing, reading music, and broadening their listening skills. Men's Chorus performs three concerts a year. No previous experience is necessary, and there is no audition required for enrollment.

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Honors Men's Chorus

Full year

Credit: 1.0

Weighted as Honors

Prerequisite: Sophomore, Junior, or Senior who has completed one year of Men's Chorus.

Jazz/Concert Band

Full year

Credit: 1.0

Jazz/Concert Band students rehearse and perform a variety of both wind band and jazz repertoire. Students study music theory and history as they develop technical skills on their instrument. The ensemble performs three concerts a year, and a minimum of two years experience on their instrument is preferred. There is no audition required for enrollment.

Honors Jazz/Concert Band

Full year

Credit: 1.0

Weighted as Honors

Prerequisite: Sophomore, Junior, or Senior who has completed one year ofJazz/Concert Band.

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Marching Band

Full year

Credit: 1.0

The Marching Band performs at all football games, as well as several band shows and parades throughout the year. Students learn proper marching technique and discipline, play a variety of music, and learn to march drill on the field. It is preferred that a student has a minimum of two years prior experience on their instrument. There is no audition required for enrollment.

Honors Marching Band

Full year

Credit: 1.0

Weighted as Honors

Prerequisite: Sophomore, Junior, or Senior who has completed one year of Marching Band.

Music Theory

Full year

Credit 1.0

Music Theory is designed to enhance music skills and fundamentals through reading, writing, and listening to music, as well as analyzing the structure and meaning. Students will study music concepts including notation, scales, key signatures, intervals, triads, cadences, form, part-writing, and analysis of a score. Aural dictation and ear training are also an important part of the course. Although there is no prerequisite, it is helpful for a student to have some musical knowledge and/or participate in an ensemble. This course is highly recommended for students in a musical ensemble and those who wish to pursue a career in music.

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Music Technology

Full year

Credit: 1.0

Music Technology is an introductory course in the principles of audio and sound recording. Students learn to create and record musical tracks that support their unique musical voice. Topics include: soundwaves, acoustics and the audio spectrum, console and signal flow, equalization and compression, microphones and their placement, effects, digital audio formats, and MIDI basic concepts. This course will expose students to learning opportunities beyond the world of traditional music education by illuminating career opportunities that exist in the 21st century job market, such as film scoring, commercial advertising, media production, acoustics engineering, TV/radio production, and composing/arranging. Students will use a DAW (Digital Audio Workstation) to create their own unique music.

Theater Arts

Full year

Credit: 1.0

This introductory course is designed for students to gain an understanding and appreciation for all aspects of the theater arts. Some topics studied include: performing (acting, improvisation, characterization, and auditioning), design and production (lighting, sound, props, set and scenery, costumes, hair and makeup), and direction and stage management (selecting a show, casting, and planning and running rehearsals). Students in this course will participate in the performance and production of live shows, as well as write, plan, cast, direct, and present their own show.

Honors Theater Arts

Full year

Credit: 1.0

Weighted as Honors

Prerequisite: Sophomore, Junior, or Senior who has completed one year of Theater Arts.

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Morning Announcements

Semester

Credit: 0.25

Pass/Fail

The goal of this class is to produce a weekly morning announcements show that highlights important school announcements, weekly news, special student interest stories, and sports. Student grades will be based on participation and completed production of weekly shows.

Introduction to Digital Media

Credit: 0.5

Introduction to Digital Media will be part Media History, part Media Science, and part experiential learning in digital media production. The goal of the class is not to provide a mastery of digital media but instead to provide students with a background of digital media production so that they can take what they have learned into the next semester and/or into their other career and academic pursuits. Topics covered will include an introduction to film sets, the history of film and television, technical aspects of digital production, and story, script, and filmmaking in practice.

Digital Media Production

Credit: 0.5

Digital Media production will take concepts from introduction to Digital Media and will apply them to producing media projects. There will be many opportunities for credit earned outside of class, small group projects, creating a digital portfolio, and a final Class Film.

Prerequisite: Introduction to Digital Media

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Health and Physical Education Program

Health

2nd Semester

Credit: 0.5

Health is a study in the concepts and basic knowledge of health and wellness. The primary focus is health maintenance and disease prevention. This includes an understanding of lifestyle disease and specific disease risks which can be modified and/or reduced through informed health decision-making, lifestyle change, and practice of positive health behaviors. Topics covered include but are not limited to healthy foundations, exercise and nutrition, systems of the body including disorders/diseases of the systems, effects of alcohol, tobacco, and drugs, and basic first aid techniques.

Physical Education I

1st Semester

Credit: 0.25

Freshman physical education is a course in which team sports, individual skills, and group activities will be stressed. Individual physical development will be addressed through a program of stretching and physical fitness exercises, strength development, fundamental weight training, and agility drills. Proper running form will be addressed. Techniques and skills needed to successfully participate in the sports covered in the course will be demonstrated, practiced, and evaluated before and/or during competition.

Physical Education II

2nd Semester

Credit: 0.25

A physical education course which emphasizes team play, competition, and personal

fitness. Activities include speed football, basketball, volleyball, speed softball, and dodgeball. Running and stretching will precede all activity periods. Personal fitness will be addressed through exercise, strength development, weight training, and agility drills.

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Mathematics Program

Algebra I

Full year

Credit: 1.0

Students study the Basic Algebraic concepts of set variables and properties, progressing through operations with fractions, algebraic operations, exponents, simplification of algebra expressions, including factoring, the theory of lines and slope, solution of quadratic equations by formula and graphing linear equations.

Honors Algebra I

Full year

Credit: 1.0

Weighted as Honors

The students begin with a review of basic algebraic concepts of operations with fractions, exponents, and simplification of algebra expressions. Students continue through factoring, theory of line and slope, solution of quadratic equations by factoring, formula and completing the square, simplifying radicals and graphing linear and quadratic equations.

Geometry

Full year

Credit: 1.0

Students will explore the concepts of plane geometry integrated with space and coordinate geometry linked with algebra. Angles, congruent and similar triangles, parallel lines, circles, properties of quadrilaterals and Pythagorean Theorem will be studied. Formulas for the areas of all basic plane figures will be used plus an exploration of logic structures, constructions, probability and ratios and proportions will be covered. An introduction to trig ratios will be used to solve all right triangles.

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Prerequisite: Algebra I

Honors Geometry

Full year

Credit: 1.0

Weighted as Honors

The student will learn the basic postulates of Euclidean Geometry using the 2 column proof structure of logic involving angles, congruent and similar triangles, parallel lines, circles and arcs and Pythagorean Theorem integrated with constructions. Formulas for areas of all basic geometric plane figures will be learned and formulas for volumes of prisms, pyramids, cylinders, cones and spheres will be explored. Trigonometric ratios will be used plus sine and cosine laws, to solve new right triangles.
Prerequisite: Weighted as Honors Algebra I (Algebra I with recommendation)

Algebra II

Full year

Credit: 1.0

The student will review Algebra I material, then explore graphing and solving of higher polynomials, rational functions, methods of substitutions, determinants, analysis and solution of word problems, finding roots of polynomials and using complex numbers. Also covered will be arithmetic and geometric progressions and probability, exponential and logarithmic functions and an introduction to Trigonometry.
Prerequisites: Algebra I & Geometry

Honors Algebra II

Full Year

Credit: 1.0

Weighted as Honors

The student will review Algebra I material, then explore graphing and solving of higher polynomials, rational functions, methods of substitutions, determinants, analysis and solution of word problems, finding roots of polynomials and using complex numbers. Also covered will be arithmetic and geometric progressions and probability, exponential and logarithmic functions and an introduction to Trigonometry.
Prerequisites: *Algebra I & Geometry*

AP Precalculus

Full year

Credit: 1.0

Weighted as AP

Students will study polynomial rational functions, looking at end behavior asymptotes, zeros, and graphing. Students will also spend a lot of time working with exponential functions learning how they behave, why they behave the way they do, and how to manipulate them and create their own. Lastly, students will learn about logarithmic, trigonometric, and polar functions. This course will prepare students for the Advanced Placement exam in the spring.
Prerequisite: *Honors Algebra 1 & Honors Geometry*
Prerequisites: *Weighted Honors Algebra I & Weighted Honors Geometry or Teacher Recommendation*

AP Calculus

Full year

Credit: 1.0

Weighted as AP

Students will study real numbers, limits, continuity, compute the derivatives of algebraic functions, explore tangent and normal lines, extremes of functions, mean value theorem, related rates, definite integrals, areas and volumes and arc length. Some applications to physics and mechanics will occur. This course will prepare students for the Advanced Placement exam in the spring.
Prerequisite: *AP Precalculus*

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AP Calculus BC

Full year

Credit: 1.0

Weighted as AP

Students will study all topics in AP Calculus AB along with parametric equations, polar coordinates, vector-valued functions and infinite sequences and series. This course will prepare students for the Advanced Placement exam in the spring.
Prerequisite: AP Calculus AB or AP Precalculus with teacher recommendation

Trigonometry & Statistics

Full year

Credit: 1.0

Trigonometry topics include right angle trigonometry, circular and triangular trigonometric functions, graphs of trigonometric functions and identities and trigonometric equations. Statistics topics include elementary probability theory, concepts of descriptive statistics, discrete and continuous distributions, hypothesis testing, confidence intervals, sample sizes, correlation, regression, multi-nominal and contingency tables. Non-calculus based.
Prerequisite: Algebra II

CCP Math

Full year/Semester

Credit: 1.00

Weighted a AP/CCP

This is a placeholder math course for students who have completed AP Calculus AB and/or BC and wish to take College Credit Plus online or on the campus of a college. This class must be approved by the Department Head and Academic Dean. Please see the Academic Dean for details.

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College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

Benedictine High School 2900 M. L. King, Jr. Drive Cleveland, Ohio 44104
216 - 421 - 2080 FAX 216 - 421 - 1100 www.cbhs.edu

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Science Program

Physical Science

Physical Science:

Full year

Credit: 1.0

This course is designed to help the student understand and interpret data gathered in a variety of science settings. The class will focus on lab skills needed for future science classes, report generation, and data analysis with computer applications. Topics from a broad range of the physical sciences, including physics and chemistry, will be included.

Physics

Full year

Credit: 1.0

This course is an introduction to topics in classical physics, with an emphasis on conceptual understanding, experimental design and problem solving approaches. Topics covered include classical dynamics (forces and motion) and electricity (critical for Chemistry). Students will engage in class discussions to build scientific consensus on understanding and will learn how to support a scientific argument with experimental data.

Honors Physics with Coding

Full year

Credit: 1.0

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Weighted as Honors

This lab-based course was designed to address as many of the Disciplinary Core Ideas for High School Physical Science in the NGSS as could be accomplished coherently in one year. It connects key concepts in physics, chemistry, math, and computational thinking that will help students understand their world and provide a solid foundation for subsequent science courses. Rather than simply confirming what students have learned from their teacher, the experiments provide opportunities for students to develop models to help them make sense of their observations. The course could be called "Describing and Understanding Change" because it addresses change in the position, speed, structure and temperature of matter and the role energy plays in this change. The treatment of the physics concepts relating to how things move and why they move were carefully selected to reinforce the algebraic and graphical skills students have just learned or are learning at the same time they take this course.

Throughout the course, using the framework of the scientific method, we will also explore the limits of the scientific method in addressing specific questions concerning science and faith. Example of topics; Is there scientific evidence for the existence of a transcended soul? Is there scientific evidence for the existence of a god? Is there scientific evidence for the resurrection of Jesus Christ? This course will be two (2) extra lab periods per week.

Prerequisite: Co-enrollment in Honors Algebra I and passing a pre-assessment.

Conceptual Chemistry

Full year

Credit: 1.0

This focused introduction to the behavior of atoms, molecules, and ions allows students to gain a broad understanding of the principles governing chemical interactions. Students are encouraged to connect and apply the microscopic subject matter to their own macroscopic world and explore the way chemistry can impact and affect their daily lives in the classroom.

Subjects explored include stoichiometry, atomic structure, periodicity, thermochemistry, and chemical interactions. Students gain the ability to safely work with a variety of chemicals and conduct quantitative analysis.

Prerequisites: *Completion of a freshman physics course.*

Chemistry

Full year

Credit: 1.0

This focused introduction to the behavior of atoms, molecules and ions allows students to gain a broad understanding of the principles governing chemical interactions. Students are encouraged to connect and apply the microscopic subject matter to their own macroscopic world and explore the ways chemistry can impact and affect their daily lives in the classroom.

Subjects explored include the breadth of chemistry including stoichiometry, atomic structure, periodicity, thermochemistry and chemical interactions. Students gain the ability to safely work with a variety of chemicals and conduct quantitative analysis including titration and gravimetric methods.

Prerequisites: *Completion of a freshman physics course and Algebra I.*

Honors Chemistry

Full year

Credit: 1.0

Weighted as Honors

This lab-based course emphasizes the science of Chemistry as part of our everyday life and everything around us. This course is designed for the student who can apply strong math (algebra) and previous science concepts in the studying of chemistry as the science of matter, structure, and changes that occur with respect to energy. In studying chemistry as the cornerstone of the sciences, emphasis is placed on an in-depth comprehension of traditional chemical concepts and theories by engaging

students in scientific inquiry. In preparation for challenges in scientific research, the course further introduces the development of problem-solving and critical thinking skills. Lectures will include the practical applications of the chemical principles to real problems of chemists and engineers. The basic chemical principles are examined experimentally with both qualitative and quantitative labs. This course has one extra lab period per week.

Prerequisite: Grade B or higher in Honors Algebra I and Honors Physics

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Life Science

Biology

Full year

Credit: 1.0

This is a full year course. Biology is the study of life. The course is designed to provide a solid academic foundation in the life sciences. Topics to be covered will be: the principles of life and the nature of science, the structure of biological molecules and cells, relating molecular structures to cellular processes, genetics, evolution, ecology, and the diversity of life. The grade will include a combination of tests/quizzes, homework, and presentations.

Honors Biology:

Full year

Credit: 1.0

Weighted as Honors

This is a full year course. Biology is the study of life. Honors Biology is designed to provide a solid academic foundation in the life sciences with the addition of higher level reasoning and thinking challenges.Topics to be covered will be: the principles of life and the nature of science, the structure of biological molecules and cells, relating molecular structures to cellular processes, genetics, evolution, ecology, and the diversity of life. The pace and depth of this course will reflect that of an Honors course. There will be two lengthy reading/writing projects (one each semester). The grade will be calculated as a result of performance on tests/quizzes, projects, writing assignments, and classwork/homework.

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Science Electives

Sports Nutrition

Semester

Credit: 0.5

The purpose of this one semester lab course is to provide students with a foundation in nutritional science as it relates to sports training and performance. This will include information about macronutrients and micronutrients, current nutritional guidelines, and energy metabolism. Students will also study the more complex aspects of nutrition, including diet planning, energy balance for maintaining body weight, and use of dietary supplements. Finally, this class will incorporate practical nutrition, such as nutritional comparisons of current and frequently used food products, obtaining and preparing balanced meals, and how to get the most nutritional value for the cost. This course has one extra lab period per week.

Prerequisites: *Two prior years of core science classes.*

Environmental Science

Semester

Credit: 0.5

This one semester course will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

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Forensic Science

Full year

Credit: 1.0

This full year course is meant to be an introduction to forensic science also known as Criminalistics. This is the field of science devoted to the observation, collection, analysis and interpretation of crime science evidence. Students will evaluate various case studies, conduct forensic exercises with different types of evidence from mock crime scenes, and will apply scientific methodology, inductive and deductive reasoning, ethics, and probability/uncertainty to provide solutions to their forensic problems. Students gain the practical knowledge to be discerning citizens ready for competent jury service or community leadership or further studies in forensic science. Other topics will include toxicology, chromatography, forensic odontology, facial recognition and reconstruction, as well as cybersecurity.

Anatomy and Physiology

Full year

Credit: 1.0

This course will provide an overview of the human body. Students will develop an understanding of the body's support, movement, integration, coordination, transportation, absorption, and excretion by means of the different organ systems in the human body. This course has one extra lab period per week.

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AP Physics I / Walsh University Principles of Physics I and II with Lab:

Credit: 1.0

Weighted as AP

AP Physics I is equivalent to the first course in an introductory college course sequence in algebra-based physics, including a lab course. Students will develop their understanding of physics by developing models of physical phenomena through inquiry-based investigations. Students build their understanding of physical models developed in freshman physics as they explore and solve problems in the content areas: Kinematics, Forces and Translational Dynamics, Work, Energy and Power, Linear Momentum, Torque and Rotational Dynamics, Energy and Momentum of Rotating Systems, Oscillations, and Fluids. Students should have completed Geometry and concurrently take Algebra II or an equivalent course. Although the Physics I course includes the basic use of trigonometric functions, this understanding can be gained in the concurrent math course or the AP Physics I course. AP Physics I is also an inquiry-based laboratory experience providing opportunities for students to engage in science practices as they design plans for experiments, make predictions, collect and analyze data, apply mathematical routines, develop explanations, and communicate their findings.

Prerequisite: Grade of B+ or higher in Honors Physics with Coding; an overall average of at least 3.2 in all math courses. Must be enrolled or have completed Geometry, with a class cumulative GPA of at least 3.2. Or Science department approval is required.

AP Physics C: Mechanics

Credit: 1.0

Weighted as AP

This is a college-level, calculus-based physics course that explores fundamental concepts like kinematics, Newton's laws of motion, work, energy, momentum, circular motion, rotational dynamics, oscillations, and gravitation, requiring students to utilize calculus to analyze and solve physics problems, making it particularly suitable for students planning to major in physics or engineering.

Prerequisite: Grade of B+ or higher in Honors Physics; an overall average of at least 3.2 in all math courses. Must be enrolled or completed AP Calculus class cumulative GPA of at least 3.2. Science department approval is required.

AP Physics C: Electricity and Magnetism

Credit: 1.0

Weighted as AP

This college-level second-year physics course is the equivalent of the second semester of college physics. It will be an in-depth study of the fundamentals of electricity and magnetism and is designed to give the necessary pre-college background for students who wish to succeed in a physics or engineering-oriented career. The course emphasizes a laboratory-based, problem-solving approach, continuing the student's development in the process of scientific deduction. A thorough previous knowledge of year-one physics, algebra, trigonometry, and graphical analysis is required. It delves more deeply into the E&M field content, including studies of Gauss' Law, RC/LC circuits, and advanced field theory. Students will be expected to use calculus, and the course helps the students learn to apply calculus to physics content. This will be taught during the course and will support the learning in math class. are expected to study outside of the class assigned time for this class. Additional topics in physics beyond the E&M curriculum may be part of the course, time permitting. These topics will include any topics not previously covered in a year-one physics course, including topics in nuclear and atomic physics.

Prerequisite: Grade of B+ or higher in Honors Physics; an overall average of at least 3.2 in all math courses. Must be enrolled or completed AP Calculus class cumulative GPA of at least 3.2. Science department approval is required.

benedictine

AP Chemistry/ Walsh University Principles of Chemistry I and II with Lab

Full Year

Credit: 1.0

Weighted as AP/CCP

An introduction to the principles of inorganic chemistry with emphasis on quantitative relationships, atomic and molecular structure, solutions, chemical equilibrium, kinetics, thermochemistry, electrochemistry, atomic theory, and molecular bonding theory.

Prerequisites: One year of high school chemistry OR Science department approval is required.

Cleveland State University Introductory Biology I and Lab I/AP Biology

1st semester

Credits: 4.0

Weighted as CCP/AP

This course replicates Cleveland State University BIO 200 and BIO 201 . Successful completion of this course with at least a C- will result in four (4) college credits through Cleveland State University. Biology is an introductory college-level Biology course. Students cultivate their understanding of Biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and inter-actions. This course also will follow the AP Curricular Framework for content and science practices as described below:

1: The process of evolution drives the diversity and unity of life.

2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

3: Living systems store, retrieve, transmit and respond to information essential to life processes.

4: Biological systems interact, and these systems and their interactions possess complex properties.

5: Science Practices include: concept explanation, visual representations, scientific questions and methods, representation and description of scientific data, statistical tests and data analysis, and argumentation.

Cleveland State University Introductory Biology II and Lab II/AP Biology

2nd semester

Credits: 4.0

Weighted as CCP/AP

This course replicates Cleveland State University's BIO 202 and BIO 203 . Successful completion of this course with at least a C- will result in four (4) college credits through Cleveland State University. Biology is an introductory college-level Biology course. Students cultivate their understanding of Biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and inter-actions. This course also will follow the AP Curricular Framework for content and science practices as described below:

1: The process of evolution drives the diversity and unity of life.

2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

3: Living systems store, retrieve, transmit and respond to information essential to life processes.

4: Biological systems interact, and these systems and their interactions possess complex properties.

5: Science Practices include: concept explanation, visual representations, scientific questions and methods, representation and description of scientific data, statistical tests and data analysis, and argumentation.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

benedictine

Social Studies Program

Modern World History

Full year

Credit: 1.0

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

Honors Modern World History

Full year

Credit 1.0

Weighted as AP/CCP

The course seeks to develop greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and the development of analytical skills. The course highlights the nature and changes in international societal frameworks and their causes and consequences, as well as comparisons among major societies. The course builds on understanding cultural, institutional, geographical and technological issues that have greatly influenced world history. Students will also discuss varying interpretations of events by historians in working toward an understanding of the processes involved in understanding history.

benedictine

United States Government

Full year

Credit: 1.0

An in-depth study of the structures that make up the government of the United States. Students will study the three levels of government on the federal, state and local levels. They will also be able to identify these structures, compare them to other systems around the world, and evaluate the effective roles of executive, legislative and judicial functions on all three levels. Students will gain experience in analyzing case studies, civil rights issues, continuing controversies in this area of study and further exploration in governmental structures and policy. In addition, the course covers an historical study of the foundations of Constitutional Law from English Common Law through the interpretations of John Marshall.

AP United States Government

Full year

Credit: 1.0

Weighted as AP/CCP

This course is an in-depth analysis of the history of the United States from 1828 through the present. The course concentrates on the ability of the student to engage in analytical discussion of course topics and helps the student realize the many layers that comprise historical study: demographics, economics, politics, geography, social history, sociology, and psychology. Scoring well on the AP exam allows the possibility of college credit for the course.

benedictine

American History

Full year

Credit: 1.0

American History examines the founding and development of the United States of America during the 18th century. This course follows the economic, social, political, and cultural developments from the beginning of the nation through the end of the Cold War. The topics include: Revolution, Founding Documents, Expansion, Sectional Conflicts, the Civil War, Reconstruction, Industrialization, Immigration, Global Power, the Progressive Movement, the Great War, the Great Depression, Roosevelt and the New Deal, World War II, the Cold War, the Great Society, Civil Rights, and the Vietnam War.

AP United States History

1st semester/2nd semester

Credit: 1.0

Weighted as AP/CCP

This course is an in-depth analysis of the history of the United States from 1828 through the present. The course concentrates on the ability of the student to engage in analytical discussion of course topics and helps the student realize the many layers that comprise historical study: demographics, economics, politics, geography, social history, sociology, and psychology. All students are expected to take the College Board AP Exam for U. S. History. Scoring well on the AP exam allows the possibility of college credit for the course.

It is taught as an AP course for the entire school year.

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Cleveland State University U.S. History to 1877

1st Semester

Credit: 3.0

Weighted as AP/CCP

This course replicates Cleveland State University course HIS 111. Successful completion of at least a "C+" will result in three (3) college credits through Cleveland State University. This course is an in-depth analysis of the history of the United States from 1491 through 1877. The course concentrates on the ability of the student to engage in analytical discussion of course topics and helps the student realize the many layers that comprise historical study: demographics, economics, politics, geography, social history, sociology, and psychology.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

Cleveland State University U.S. History since 1877

2nd Semester

Credit: 3.0

Weighted as AP/CCP

This course replicates Cleveland State University course HIS 112. Successful completion of at least a "C+" will result in three (3) college credits through Cleveland State University. This course is an in-depth analysis of the history of the United States from 1877 through the present. The course concentrates on the ability of the student to engage in analytical discussion of course topics and helps the student realize the many layers that comprise historical study: demographics, economics, politics, geography, social history, sociology, and psychology.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

benedictine

AP European History

1st semester/2nd semester

Credit: 1.0

Weighted as AP/CCP

This course is an in-depth look at the political, social, economic, and religious constructs of European history from the Medieval Kingdoms of the 11th century to the fall of the Berlin Wall. The course also includes preparation for the College Board Exam, for which scoring well allows for the possibility for college credit. All students are expected to take the College Board AP Exam for European History.

It is taught as an AP course for the entire school year.

Cleveland State University Western Civilization II

2nd Semester

Credit: 3.0

Weighted as AP/CCP

This course replicates Cleveland State University course HIS 112. Successful completion of at least a "C+" will result in three (3) college credits through Cleveland State University. The methodology for this course imitates that of the AP European History courses with the emphasis being an in-depth look at the political, social, economic, and religious constructs of European history from the eighteenth century to the fall of the Berlin Wall.

College Credit Plus Requirement: If you have not taken a CCP course previously, you must attend the CCP meeting in either December (virtual) or February (in-person). Students must also apply for CCP funding in order to be scheduled for this class.

benedictine

Current Affairs I

1st semester

Credit: 0.5

This elective course explores a wide variety of issues in the world today. Current Affairs examines local, national, and global events as well as attempts to connect the past to the events of the present. Some of the topics will include: gun control, violence, alcohol and drugs, media, race relations, government, and international relations.

Current Affairs II

2nd semester

Credit: 0.5

This is the second semester of Current Affairs I.

Psychology

Semester

Credit: 0.5

This course is designed to increase students' knowledge about themselves and others. It develops an appreciation of the scientific method in the investigation of cause and effect relationships in human behavior.

Sociology

Semester

Credit: 0.5

This course studies the interaction between the individual and his social group and environment. It examines how society influences the individual and how the individual can influence society.

African-American Studies

Semester

Credit: 0.5

This course is largely designed to introduce students to the major themes, issues, and debates in African-American (AA) history, from its African origins to present day. Importantly, it serves as a general introduction to historical literature. Additionally, it forwards an overview of the AA experience through readings, discussion, film, collaborative learning, and music. Some of the specific topics covered include African antecedents, colonial & antebellum historical facts, the abolition movement, the black experience in America, the Civil War, emancipation and the proclamation thereof, segregation of the AA and other races, racial understandings, black culture, today's

obstacles, popular culture, political movements, and contemporary involvement. Ultimately, students should gain an understanding of how African Americans lived, worked, socialized, and defined themselves in American society.

Financial Literacy

Semester

Credit: 0.5

This comprehensive financial literacy course equips students with essential skills and knowledge to navigate the complex world of personal and economic finance. The course is structured into twelve units, each addressing crucial aspects of financial literacy. Students will gain practical insights and develop a robust foundation to make informed financial decisions, ensuring long-term success in both personal and professional realms. This course aims to empower students with the knowledge and

skills needed to make informed, responsible, and strategic financial decisions in an ever-evolving global landscape. Through a combination of theoretical understanding and practical application, students will be well-prepared for a lifetime of financial success.

This course is a state requirement for graduation.

benedictine

Theology Program

Theology I

Full year

Credit: 1.0

This course is an introduction to Biblical literature which examines both Hebrew and Christian Scripture. It aims to help students comprehend the wealth of Judeo-Christian spiritual tradition and challenges them to grow in their appreciation of God, themselves and other people. Includes an introduction to the life of St. Benedict, The Order of St. Benedict, and Benedictine High School.

Theology II

Full year

Credit: 1.0

Sacramental theology, liturgy and prayer are studied with an emphasis made to relate one's sacramental life to the choice of vocation. Public and private worship of the Roman Catholic Church and its incorporation into the life of the student is included in the first semester. The second half of the year is dedicated to the study of Church history. Church history covers the historical life and meaning of the people of God from the time of Christ to the present.

Theology III

Full year

Credit: 1.0

Theology III is the study of moral theology. The person of Jesus is fundamental to Christianity. Therefore this class outlines how we as persons must act like Christ if we profess the Christian faith. Students will explore the elements that constitute a true Christian mode of living in today's world. They will learn the knowledge and skills that will enable them to compare and contrast with sound arguments the teachings of the

Church as to proper human behavior and what may be seen as “right living” in today’s society. Students will learn not only what the Church teaches with regard to morality, but why it holds the positions that it does. This course also hopes to begin to form within the student a conscious effort to reflect on both his actions and, perhaps more importantly, the thought processes that lead to those actions. The course will also seek to instill within the student a solid sense of responsibility for both his thinking and his actions with regard to God, himself, others, and the environment.

Theology IV

Full year

Credit: 1.0

The Theology curriculum for senior year involves 4 major topics in a rotating quarter format: Christian Apologetics, World Religions, Apocalyptic Literature, and Catholicism in Novel and Film. The segments will be taught by different instructors as four distinct courses.

Apologetics I: The Catholic Faith and Science

Semester

Credit: 0.5

This course explores the scientific evidence for God as well as philosophical proofs of His existence, the historicity of Jesus’ miracles and Resurrection, the reasons to be Catholic, why an all-loving God would allow suffering, and medical evidence for our transphysical soul. Each chapter includes a study of primary sources from Church history, focus and reflection questions, complete instructions for interactive activities, art, and other visual reflections, Scripture readings, and biographies of Catholic scientists and saints.

benedictine

World Languages Program

German I

Full year

Credit: 1.0

German I is offered to acquaint students with the German language, enable them to carry on a simple conversation in German, and to familiarize them with the culture of the German-speaking peoples.

German II

Full year

Credit: 1.0

German II is an elective course open to qualified upperclassmen. It is a continuation of the study of the German language, grammar and culture.

German III

Full year

Credit: 1.0

Weighted as AP/CCP

Students will continue to develop the four foundational acquisition language skills: listening, speaking, writing and reading. Students will be proficient in present, past and future tenses.

German IV

Full year

Credit: 1.0

Weighted as AP/CCP

Students will continue to develop the four foundational acquisition language skills:

listening, speaking, writing and reading. Students will review all learned verb tenses and develop greater active and passive comprehension skills.

Latin I

Full year

Credit: 1.0

Latin I is the formal introduction into Classical Golden Age Latin. It stresses the syntax, vocabulary and reading skills needed to translate and comprehend the classical authors of antiquity

Latin II

Full year

Credit: 1.0

Latin II is a continuation of the first year and stresses the more formal and advanced grammar found in those same classical authors. It introduces the student to the readings of Caesar and Sallust.

Latin III

Full year

Credit: 1.0

Weighted as AP/CCP

Latin III reviews the grammar of the first two years. It introduces the student into the reading of the works of Cicero and the poet Ovid and other classical authors. This course serves as a preparation for the AP Latin Literature Test, if the student desires to take this exam.

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Latin IV

Full year

Credit: 1.0

Weighted as AP/CCP

Latin IV is the final course in the students' study of Latin. It is the proximate preparation for the Virgil AP Exam given in the spring of that academic year. The myths, history, meter and prosody of the Aeneid are studied in this course of Latin Poetry.

Greek I

Full year

Credit: 1.0

Prerequisite: Latin II

The first year of Attic Greek is designed to allow the student to read, speak and write in ancient Greek. It is a general introduction to the syntax, vocabulary and translation of Homer, Sappho, Alcaeus, Aeschylus, Sophocles, Euripides, Herodotus, Xenophon, Demosthenes, Plato and Aristotle. This course serves as a proximate preparation for Xenophon's *Anabasis*.

Greek II

Full year

Credit: 1.0

Greek II is a continuation of the syntax and vocabulary and translation of Greek I. It primarily will serve as a reading course in Xenophon's *Anabasis* and selections from Herodotus, and readings from the Koine New Testament.

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Spanish I

Full year

Credit: 1.0

Students will develop the four foundational language acquisition skills: listening, speaking, writing and reading. Students will be proficient in the present tense and familiar with the past tense.

Spanish II

Full year

Credit: 1.0

Students will continue to develop the four foundational acquisition language skills: listening, speaking, writing and reading. Students will be proficient in the present, past and imperative tense.

Spanish III

Full year

Credit: 1.0

Weighted as AP/CCP

Students will continue to develop the four foundational acquisition language skills: listening, speaking, writing and reading. Students will be proficient in the preterit, imperfect, subjunctive, future and conditional tenses.

Spanish IV

Credit: 1.0

Weighted as AP/CCP

Students will continue to develop the four foundational acquisition language skills: listening, speaking, writing and reading. Students will review all learned verb tenses and develop greater active and passive comprehension skills.

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College Credit Plus (CCP) Summary

Benedictine High School offers our young men the opportunity to take courses taught on the Benedictine campus and earn college credits from local colleges and universities.

The courses are taught by credentialed Benedictine faculty members using a college-level syllabus, instructional strategies, and evaluation procedures. Many are SEMESTER courses reflecting the same as a college course offering.

CCP is a program offered by the State of Ohio that provides this opportunity. Funding can be secured from the State of Ohio. Benedictine students who wish to enroll will work with their counselors and should plan on attending WITH THEIR PARENTS the College Credit Plus Information Night held at Benedictine each Spring when the state application becomes available.

*Courses with an asterisk are in the process of being finalized.

College Credit Plus (CCP) Courses at Benedictine

Course Name	College Credits	College or University
College Writing I (ENG 101)	3	Cleveland State University
U.S. History to 1877 (HIS 111)	3	Cleveland State University
U.S. History since 1877 (HIS 112)	3	Cleveland State University
Western Civilization II (HIS 102)	3	Cleveland State University

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Computer Science Principles	3	Cleveland State University
Introductory Biology I and Lab I (BIO 200 and 201)	4	Cleveland State University
Introductory Biology II and Lab II (BIO 202 and 203)	4	Cleveland State University
Introduction to Robotics I	2	Cuyahoga Community College (Tri-C)
Introduction to Robotics with Math II	2	Cuyahoga Community College (Tri-C)
Single Board Computing	3	Cuyahoga Community College (Tri-C)
Unmanned Aerial Vehicles	3	Cuyahoga Community College (Tri-C)
3D Modeling AutoCAD and Solidworks	6	Cuyahoga Community College (Tri-C)
College Composition II*	3	Walsh University
Principles of Physics I and II with Lab*	7	Walsh University

Principles of Chemistry I and II with Lab*	7	Walsh University
Business Entrepreneurship	3	University of Iowa
Business Accelerated (6 course sequence)	3-18	Multiple college affiliations

This program has the potential to save a family thousands of college tuition dollars pending state allocations. In this way, families can advance their sons in earning transferable college credits.

Since the inception of CCP, Benedictine has been committed to helping our young men take advantage of this opportunity. Our Men of Benedictine are very fortunate to be able to earn college credits at no personal cost without disrupting or compromising their on campus Benedictine High School experience with their classmates by traveling to a local college for their coursework.

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