



COURSE GUIDE 2017-18

COURSE SELECTION/SCHEDULING

To assist students in course selection, several activities take place at school:

1. An assembly is held to discuss registration procedures with the students.
2. Classroom discussions are held by teachers in each department to help students become more aware of the available courses.
3. Teachers make individual recommendations to their students and approve selections.

Parents are asked to review and discuss the final course selections with their students before signing the registration forms.

All freshmen, sophomores and juniors are required to take **a minimum of 6.5 credits** (6 major subjects and minors). Seniors are required to take **a minimum of 6 credits** (6 major classes), **regardless of how many credits have been completed.** Please note **electives are major subjects.**

****All classes MUST be passed with a 70% or higher to graduate, regardless of how many credits have been completed****

Careful planning must be exercised when selecting courses for the next academic school year. Students are encouraged to seek as much information as needed in order to make the best choices for their future. Careful planning is required since educational programs have implications for college education and eventual career choices. Information on all courses offered at Bethlehem Catholic High School can be found on the school web site under the "Academics" tab (choose "Departments", then expand each Department to find the course descriptions.). All Students and Parents are encouraged to familiarize themselves with the requirements/prerequisites for each class so as to make more informed choices.

The scheduling process is the shared responsibility of **students, parents, teachers, counselors** and the **administration**. All contribute ideas and information which result in effective educational programs for students:

It is very important for students to be serious about their first enrollment choices. Therefore, **all students are expected to continue in and complete the courses selected. There is no Drop/Add period once classes have begun.** Often students and parents are under the impression that classes can be tried for a few days and dropped by picking another class or classes can be dropped if a student is failing. **This is not true.**

The entire Master Schedule, staff assignments, class size, material resources, and course offerings, are generated based upon student requests for classes. Each time students change their minds, the integrity of the Master Schedule is compromised. **It is of vital importance that students are serious about their first choice of classes.**

PLEASE NOTE: Failures in **any** course, including elective and minor courses, necessitate repeating the subject in summer school. A student will not be permitted to begin a new school year or graduate from Bethlehem Catholic High School with a failure on his or her transcript.

GRADUATION REQUIREMENTS

Graduation from Bethlehem Catholic High School requires a minimum **27 credits** of the following basic courses as mandated by the Commonwealth of Pennsylvania and the Board of Education, Diocese of Allentown Policy #5127.

Course	Minimum Credit Requirement
Theology (students who transferred in after 9 th grade are excused from this requirement)	4 credits
English	4 credits
Mathematics	3 credits
Science (Biology, Chemistry, choice)	3 credits
History (American History, American Government and World History)	3 credits
Foreign Language	2-3 credits
Electives	4-5 credits
Minors (PE, Health, Info Tech, Study Skills, Drivers Ed)	2 credits
Community Service	1 credit (.25 credits earned each year)
TOTAL	<hr style="width: 20%; margin: 0 auto;"/> 27 CREDITS

**** ALL classes taken must be passed with a 70% or higher, regardless of the number of credits completed****

Any student who has not completed or passed all subjects necessary to receive a diploma may participate in the Graduation ceremony, however, will not receive a diploma until everything has been satisfactorily completed. Any student who has a serious discipline problem may not be eligible to participate in the Graduation Ceremony.

Besides meeting the academic criteria in order to be eligible to participate in the Graduation Ceremony and receive a diploma, a student:

- must have a passing grade in conduct
- must have fulfilled the required service projects
- **must have completed the senior research paper**
- must have satisfied all financial obligations
- **must attend all Baccalaureate and Graduation rehearsals.**

SAMPLE STANDARD 9th GRADE CURRICULUM:

Theology 9
English 9
Algebra 1
Biology
American History
Language 1
Minors

SAMPLE COLLEGE PREP CURRICULA:

10th Grade

Theology 10
English 10
Geometry
Chemistry
American Government
Language 2
Minors

11th Grade

Theology 11
English 11
Algebra 2
Physics
World History
Elective (1)
Minors

12th Grade

Theology 12
English 12
Electives (4)

MINORS: 9th Grade -- Health, Physical Education, Study Skills, Information Technology
10th Grade -- Physical Education, Driver Education (Theory)
11th Grade – Physical Education

VOCATIONAL CURRICULA:

10th Grade

Theology 10
English 10
American Government
BAVTS + Mathematics

11th Grade

Theology 11
English 11
World History
BAVTS + Mathematics

12th Grade

Theology 12
English 12
Electives (2)
BAVTS

Theology

The education of students in an atmosphere of individual concern and Christ-like teaching is the primary focus of the Theology Program. We believe that spiritual growth is central to the learning process. Christian Community unfolds in the simple, everyday moments of life, as individuals come together to share their gifts, time, talents and lived experience of faith in Jesus. We believe that each faculty member, Catholic or non-Catholic, Christian or non-Christian, is responsible for witnessing to Gospel values in both word and action. Our ultimate aim is to nurture the adolescent into a responsible, believing adult who recognizes the power of God's law and the Church's contribution to humanity and who will guide his/her life according to Sacred Scripture and Sacred Tradition.

THEOLOGY 9

Credit 1.00

Level 2

THE REVELATION OF JESUS CHRIST IN SCRIPTURE

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more person

WHO IS JESUS CHRIST?

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

A service project of a minimum of 10 volunteer hours is required in 9th grade. Students are encouraged to focus on doing their service in the area of Parish Faith Community.

THEOLOGY 10

Credit 1.00

Level 2

THE MISSION OF JESUS CHRIST (The Paschal Mystery)

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ

today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church

A service project of a minimum of 15 volunteer hours is required in 10th grade. Students are encouraged to focus on doing their service in the areas of Pro-Life, Healing, and Elder Care.

HONORS THEOLOGY 10

Credit 1.00

Level 3

In addition to the requirements of Theology 10, this course involves independent reading assignments, independent research and papers, class presentations on assigned topics that include use of technology and preparation of Sunday Liturgical Readings and Homilies.

Students are also encouraged to exceed the 15 hours of service required for Theology 10.

Prerequisite: This course is offered to the top 25% of students in Theology 9 (based on Final Average) and teacher approval.

THEOLOGY 11

Credit 1.00

Level 2

SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

LIFE IN JESUS CHRIST

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

A service project of a minimum of 20 hours is required in 11th grade. Students are encouraged to focus on doing their service in the area of social action or civic organizations.

HONORS THEOLOGY 11

Credit 1.00

Level 3

In addition to the requirements of Theology 11, this course involves independent reading assignments as well as independent research and papers.

Prerequisite: This course is offered to the top 25% students in Theology 10 (based on final average) and teacher of course approval.

THEOLOGY 12

Credit 1.00

Level 2

THEOLOGY OF MARRIAGE & CHRISTIAN VOCATIONS

Given the teachings and practices of Roman Catholicism, this course is intended to present and to relate those teachings to Christian vocations with a special emphasis on Sacramental Marriage and Family Life.

Serving as the foundation for the course is an understanding of what it means to be a human person who stands in relationships of interdependency with other persons; from this it intends to establish an appreciation for the dignity of the human person and the sanctity of all of human life.

Consideration will be given to Christian values and personal faith and the relationships that one shares with God, others and the created order. Appropriate issues, related questions and skills and strategies will be highlighted to assist the young man and woman in moving from one stage of life to the next.

CATHOLICISM -- ITS FAITH AND TEACHINGS

Given the teachings and practices of Roman Catholicism, this course is intended to challenge the student in the development toward a mature faith. Included in the course is a review of essential teachings and instruction on how to maintain and foster one's faith and to uphold one's belief system in light of the challenges of contemporary secular society.

The meaning of human life can be discovered only by searching for answers to the ultimate questions that people in every age and of every culture have asked; by way of response, consideration will be given to the intellect and the experience of faith as these reflect on a belief in God and the relationships we share with and our responsibility toward members of the human community. In conjunction, an overview of selected significant ethical and justice issues will be provided. The meaning of human life can be discovered only by searching for answers to the ultimate questions that people in every age and of every culture have asked; by way of response, consideration will be given to the intellect and experience of faith as these reflect on a belief in God and the relationship we share with the members of the human community.

A service project of a minimum 25 hours is required in 12th grade. Students are encouraged to focus on doing their service in the areas of children and youth.

HONORS THEOLOGY 12

Credit 1.00

Level 3

APOLOGETICS

Given the teaching and practices of Roman Catholicism, this course is intended to challenge the student in the development toward a mature faith. Included in the course is a review of basic teachings and instruction on how to maintain and foster one's faith and to uphold one's belief system against those who would seek to undermine it. Also provided is an overview of selected significant ethical and justice issues. The meaning of human life can be discovered only by searching for answers to the ultimate questions that people in every age and of every culture have asked; by way of response, consideration will be given to the intellect and experience of faith as these reflect on a belief in God and the relationship we share with the members of the human community.

THEOLOGY OF CHRISTIAN VOCATION

This course is designed to present the different vocations in the Church with a special emphasis on Marriage and Family Life. It will offer a realistic and practical approach to the Catholic teachings relating to a broad area of relationships. Special emphasis will be placed upon the ability to live a virtuous life and address fundamental spiritual, emotional, sociological ideals, goals and problems encountered in the effort to grow within a relationship with God, and fellow creatures. The areas of the celibate life and the marriage covenant will be specifically addressed.

A service project of a minimum 25 hours is required. Students are encouraged to focus on doing their service in the areas of children and youth.

Prerequisite: This course is offered to the top 25% students in Honors Theology 11 (based on final average) with teacher of course approval. A summer reading assignment is a requirement for this course.

HOLOCAUST/WORLD RELIGIONS

Credit 1.00

Level 2

The objectives of this course will be to: 1) Lead students into a greater understanding, awareness, and appreciation of the nine principles of Catholic Social Justice and to be able to apply the principles to the Holocaust, the Pol Pot Regime (Khmer Rouge) in Cambodia during the 1960's, the genocide in the Balkans in the 1990's, and the current problems in the Sudan. Students will learn to live these principles for the betterment of society; 2) Lead students into a basic understanding, awareness, and appreciation for the non-Catholics of the world. The religions studied will be Judaism, Protestantism, Islam, Hinduism, Buddhism, Chinese religions, and Japanese religions.

Seniors Only (unless approved otherwise)

****This is an elective course and does NOT replace the requirement of Theology 12****

English

It is the philosophy of the English Department of Bethlehem Catholic High School that each student is unique, important and deserving of an education that will aid him/her to reach his/her fullest potential as a Christian person.

We believe it is not only possible, but also necessary to develop in the student a self-awareness and personal growth, an effective use of the English language, and an enjoyment of and appreciation for the language in all its forms

ENGLISH 9 **Credit 1.00** **Level 2**
(SURVEY OF LITERATURE)

English 9 offers the students a wide variety of outstanding literature and introduces them to literary terms and their use in short stories, poetry, drama, and the novel. Instruction will focus on the enhancement of critical thinking skills. Students also study the fundamentals of grammar, improve vocabulary skills, and practice public speaking. The writing program, while using as its core the required reading selections, calls for emphasis on effective sentence structure through practice in paragraph development, some work with the essay and an introduction to the research process.

HONORS ENGLISH 9 **Credit 1.00** **Level 3**
(SURVEY OF LITERATURE)

In addition to the requirements of English 9, students must demonstrate a more advanced degree of critical thinking skills in their analysis, writing, and speaking. Students are required to make frequent oral presentations and write literature-based essays. Honors English 9 is designed to prepare students to take the advanced English course on the sophomore level.

ENGLISH 10 **Credit 1.00** **Level 2**
(AMERICAN LITERATURE)

English 10 focuses on the styles, techniques, and themes of American authors and on the value and historic influence of literature on nationalism. Instruction will focus on the enhancement of critical thinking skills. There is continued emphasis on vocabulary enrichment, grammar skills usage and the practice of the writing process. Students will continue to practice public speaking and learn research skills. The writing program on the sophomore level aims to endow the students with the necessary skills to produce a variety of well-organized and fully developed papers.

HONORS ENGLISH 10 **Credit 1.00** **Level 3**
(AMERICAN LITERATURE)

Honors English 10 is designed to prepare students to take advanced English courses on the junior and senior levels. In addition to the requirements of English 10, students must demonstrate a more advanced degree of critical thinking skills in their analysis, writing and speaking.

Prerequisite: *The top 70% of the Honors English 9 class (based on the Final Average) will*

be placed in Honors English 10. English 9 students who have a grade of 95%, acceptable standardized test scores and Department Chairperson approval may be considered.

ENGLISH 11 **Credit 1.00** **Level 2**
(BRITISH LITERATURE)

English 11 provides an overview of major British authors from Anglo-Saxon times to the twentieth century. Development of writing and critical thinking skills continues at this level. Grammar skills usage and vocabulary enrichment will be reviewed and integrated into more sophisticated skills of rhetoric and composition. Study of the MLA style of writing research papers begins.

HONORS ENGLISH 11 **Credit 1.00** **Level 3**
(BRITISH LITERATURE)

Honors English 11 is designed to prepare the students to take college credit courses on the senior level. No student will be admitted into this course without having taken Honors English 10. In addition to the requirements of English 11, students must demonstrate a more advanced degree of critical thinking skills in their analysis, writing and speaking. Students will be required to produce original works in poetry and narrative prose and give presentations on individual reading assignments and research in the classics.

Prerequisite: *Minimum average of 88 in Honors English 10 plus current Honors English 10 teacher approval.*

AP ENGLISH 11 **Credit 1.00** **Level 3**
(ADVANCE PLACEMENT ENGLISH LANGUAGE)

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

Prerequisite: *This class is open to the top 30% (maximum 25 students) in Honors English 10 (based on final average). Current Honors English 10 teacher approval.*

ENGLISH 12 **Credit 1.00** **Level 2**
(WORLD LITERATURE)

English 12 surveys modern fiction, drama, and poetry of Western civilization. Students are introduced to literary theory and critical writing about literature is stressed. Students continue to study grammar and vocabulary in conjunction with literature to increase reading and writing skills. Study of the MLA style of writing research papers continues and students are required to write a major research paper.

**HONORS ENGLISH 12
(WORLD LITERATURE)**

Credit 1.00

Level 3

In addition to the requirements of English 12 there is a special emphasis on enhanced critical thinking and writing skills. Creative writing and research will aid preparation for college.

Prerequisite: *The top 75% of the Honors English 11 classes (based on final average) and the approval of the current teacher.*

**AP ENGLISH 12
(ADVANCED PLACEMENT ENGLISH LITERATURE)**

Credit 1.00

Level 4

AP English 12 provides the students with opportunities to increase their analytical and critical skills in thinking, reading, and writing on the college level. Emphasis is placed on literary analysis contributing to the student's understanding of the principles involved in making insightful interpretations of literature. Speaking and listening skills are polished through oral presentations on assigned classics and grammar is reviewed through the writing process. Students are required to write a major research paper. The Advanced Placement Test is a requirement

Prerequisite: *Successful completion of AP English 11 and current AP English 11 Teacher approval.*

YEARBOOK

Credit 1.00

Level 2

Yearbook is an elective course open to juniors and seniors who have an interest in writing, layout design, and photography. This course introduces students to the basics of yearbook production through theory as well as practice. The students develop creative, organizational and computer skills while working as a team to produce *The Sceptre*, the school yearbook.

Prerequisite: *Teacher of course approval*

World Languages

The World Languages Department of Bethlehem Catholic High School is committed to encouraging students to acquire proficiency in communicative skills and demonstrate competence in the area of intercultural communications thus developing an appreciation for different cultures.

World Language teachers are cognizant of students' needs, abilities and interests. As a result, we seek to incorporate these features in our teaching methodology so that students' learning can be an enjoyable and rewarding experience. Bethlehem Catholic has a significant number of heritage learners who have strong cultural ties; therefore we strive to provide an atmosphere where knowledge and experience are shared for the benefit of all students.

FRENCH 1

Credit 1.00

Level 2

The aim of this course is to give the student basic skills in speaking, listening, reading and writing the language. A knowledge of culture is imparted by the introductory study of geography, history, economics, government, and customs of the country.

GERMAN 1

Credit 1.00

Level 2

The aim of this course is to give the student basic skills in speaking, listening, reading and writing the language. A knowledge of culture is imparted by the introductory study of geography, history, economics, government, and customs of the country.

SPANISH 1

Credit 1.00

Level 2

The aim of this course is to give the student basic skills in speaking, listening, reading and writing the language. A knowledge of culture is imparted by the introductory study of geography, history, economics, government, and customs of the country.

LATIN 1

Credit 1.00

Level 2

This course focuses mainly on the study of the Latin language itself and its influence on our own English language as well as on all the Romance languages (French, Spanish, Italian, Portuguese and Romanian). The course also includes cultural material about Roman life emphasizing stories about the leaders, government, education, literature and art.

The basic forms and syntax introduced in the first year prepare the serious student for the enjoyment of readings in the second year of the course.

ESL

Credit 1.00

Level 1

This course will serve to acclimate speakers of other languages to our school and community while developing verbal, written and auditory skills necessary for successful study at the high school level. An emphasis will be placed on conversation/discussion, reading, writing and study skills in addition to SAT prep work and cultural studies. This course will also serve to build student confidence and encourage student use of the English language outside of the classroom environment so that it becomes a natural means of communication. This course is mandatory for new students to Bethlehem Catholic and those students who might benefit from this course or who have been recommended by faculty.

FRENCH 2**Credit 1.00****Level 2**

The purpose of this course is to strengthen the speaking, listening, reading and writing skills of the student through an intensive review of grammatical patterns and the writing of simple compositions. Excerpts from newspapers and magazine articles are offered for class reading and discussion. An increased knowledge of culture, with emphasis on history, is imparted to the student.

Prerequisite: *French 1*

GERMAN 2**Credit 1.00****Level 2**

The purpose of this course is to strengthen the speaking, listening, reading and writing skills of the student through an intensive review of grammatical patterns and the writing of simple compositions. Excerpts from newspapers and magazine articles are offered for class reading and discussion. An increased knowledge of culture, with emphasis on history, is imparted to the student.

Prerequisite: *German 1*

SPANISH 2**Credit 1.00****Level 2**

The purpose of this course is to strengthen the speaking, listening, reading and writing skills of the student through an intensive review of grammatical patterns and the writing of simple compositions. Excerpts from newspapers and magazine articles are offered for class reading and discussion. An increased knowledge of culture, with emphasis on history, is imparted to the student.

Prerequisite: *Spanish 1*

LATIN 2**Credit 1.00****Level 2**

This course leans heavily upon the acquisition of all forms and syntax learned in Latin 1. The second year introduces new forms and further prepares the student for reading in the Latin language. The reading acquaints the student with historical and mythological characters that are interwoven in English literature and are essential in the understanding of the latter. Further acquisition of vocabulary enhances the understanding of root meanings of English words and the shades of changed meanings brought about by the use of Latin prefixes and suffixes. The study of Latin 1 and 2 is an excellent foundation for the study of modern languages; e.g., French, Spanish, Portuguese or Italian.

Prerequisite: *Latin 1*

HONORS SPANISH 2**Credit 1.00****Level 3**

This course is an intensification of Spanish 2 with a focus on student challenge, creativity, academic excellence, and a pathway to Honors Spanish 3 and AP Spanish Language.

Prerequisite: *Grade of 90% or higher in Spanish 1 and present teacher approval.*

HONORS FRENCH 3**Credit 1.00****Level 3**

In this level a thorough review of the grammatical structures is made and there is extensive practice of these through reading, original dialogues and compositions. There is also further practice of pronunciation and intonation by reading aloud and short memorization. Readings consist of various literary works, historical and cultural selections.

Prerequisite: *Grade of 90% or higher in French 2 and present teacher approval.*

HONORS GERMAN 3

Credit 1.00 Level 3

In this level a thorough review of the grammatical structures is made and there is extensive practice of these through reading, original dialogues and compositions. There is also further practice of pronunciation and intonation by reading aloud and short memorization. Readings consist of various literary works, historical and cultural selections.

Prerequisite: *Grade of 90% or higher in German 2 and present teacher approval.*

HONORS SPANISH 3

Credit 1.00 Level 3

In this level a thorough review of grammatical structures is made and there is extensive practice of these through reading, original dialogues and compositions. There is also further practice of pronunciation and intonation by reading aloud and short memorization. Readings consist of various literary works, historical and cultural selections.

Prerequisite: *Grade of 90% or higher in Spanish 2 or 85% or higher in Honors Spanish 2 and present teacher approval.*

SPANISH 3

Credit 1.00 Level 2

Continuation of level two, introducing additional grammar concepts and vocabulary to strengthen speaking, listening and writing skills. Readings are taken from current periodicals and literary works. Practice includes original writings, reading aloud and projects. Cultural readings and projects are included.

Prerequisite: *Grade of 85% or higher in Spanish 2 and present teacher approval.*

HONORS LATIN 3

Credit 1.00 Level 3

The emphasis is to encourage the student to be more independent in their study of Latin. Emphasis is placed on students' translating more co-operatively and self-sufficiently than in Latin 1 and 2. While learning vocabulary is still a primary goal, students will be more responsible to research people, places and events in Roman History and educate others in the class on various topics.

Prerequisite: *Successful completion of Latin 2*

HONORS GERMAN 4

Credit 1.00 Level 3

This course is designed for the student who desires to increase fluency, cultural knowledge and to expand his/her literary base. A student who wishes to major in language in college or have a career in the international arena should take this course. The correct use of idioms and the practical application of grammar are continued together with independent readings.

Prerequisite: *Present teacher approval.*

HONORS FRENCH 4

Credit 1.00 Level 3

This course is designed for the student who desires to increase fluency, cultural knowledge and to expand his/her literary base. A student who wishes to major in language in college or have a career in the international arena should take this course. The correct use of idioms and the practical application of grammar are continued together with independent readings.

Prerequisite: *Present teacher approval.*

**ADVANCED PLACEMENT
SPANISH LANGUAGE**

Credit 1.00 Level 4

This course serves the interest of students who wish to pursue college level courses while in high school. A student who wishes to major in Spanish or who wishes to have a career in the international arena should also take this course. This course is designed to be equivalent to a first year college course. Advanced Placement testing is a requirement.

Prerequisite: *Grade of 93% or higher in Honors Spanish 3 and present teacher approval.*

Mathematics

The Mathematics Department recognizes the need to teach as Jesus did in all areas of education, including mathematics. We accept students where they are and bring them to the point where they can appreciate and be proficient in the mathematics they will need in their careers and personal lives. We strive to provide experiences that encourage and enable students to "value mathematics, have confidence in their mathematical ability, become mathematical problem solvers, and communicate and reason mathematically". (NCTM Standards)

ALGEBRA 1, Part 1

Credit 1.00

Level 1

This two-year course is for students who need more time to cover the traditional Algebra 1 topics. It covers all subjects from the Algebra 1 curriculum but at a slower pace.

ALGEBRA 1, Part 2

Credit 1.00

Level 1

Continuation of Algebra 1, Part 1.

Prerequisite: Algebra 1, Part 1

ALGEBRA 1

Credit 1.00

Level 2

This course provides students with a logical understanding of the real number system. It deals with the four operations on real numbers and their use in solving equations with polynomials, factoring, fractions, inequalities, radicals, graphing, systems of linear equations and functions.

HONORS ALGEBRA 1

Credit 1.00

Level 3

This course reviews operations with real numbers. Topics include solving equations, inequalities and systems of equations; graphing; adding, subtracting, multiplying and factoring polynomials; simplifying, multiplying, dividing, adding and subtracting rational expressions; solving rational equations; simplifying, adding and subtracting radicals.

GEOMETRY

Credit 1.00

Level 2

This course is designed with the average mathematics student in mind. Geometry deals with points, lines, planes, angles, logic and reasoning, triangles, polygons, coordinate geometry, circles, areas, and volumes. This course also includes an introduction to the trigonometry of triangles.

Prerequisite: Algebra 1

HONORS GEOMETRY

Credit 1.00

Level 3

While traditional plane and solid Euclidean geometry form the core of this course, the course differs from the Geometry course by including a survey of non-Euclidean geometries, such as graph theory, discrete, and coordinate geometry. This course also approaches the traditional topics from the viewpoint of transformational geometry, where reflections, rotations, and translations provide the incentive for congruence and similarity. Included in the course is an introduction to the trigonometry of triangles.

Prerequisites: Minimum 85% average in Honors Algebra 1 or 95% in Algebra 1 and present teacher approval.

ALGEBRA 2

Credit 1.00

Level 2

Throughout this course the average student of mathematics should develop a better understanding of algebraic concepts and skills. A review of the essentials of Algebra 1 is first considered in this course. The following topics are then studied: linear and quadratic equations; inequalities and systems with related graphing; rational, irrational and complex numbers; linear and quadratic relations, functions and variations; and all types of factoring.

Prerequisite: Geometry, Algebra 1 and present teacher approval.

HONORS ALGEBRA 2/TRIGONOMETRY

Credit 1.00

Level 3

This course includes all topics in the Algebra 2 curriculum as well as a complete study of trigonometry. Time is spent on circular functions, identities, the trigonometry of triangles, and the inverse functions as well as the graphs of the functions. TI83 PLUS calculator is required.

Prerequisite: Minimum 85% average in Honors Algebra 1 and Summer Geometry; or minimum 85% in Honors Algebra 1 and Honors Geometry; or minimum 95% in Algebra 1 and Geometry and present teacher approval.

ADVANCED PLACEMENT STATISTICS

Credit 1.00

Level 4

The topics for this course are: exploratory analysis, planning a study, probability and statistical inference. Important components of the course include the use of technology, projects, group problem solving and writing. Advanced Placement Test is a requirement.

Prerequisite: Minimum 90% average in Honors Introduction to Calculus or minimum 95% in Algebra 2 or CPM and recommendation of English teacher.

STATISTICS

Credit 1.00

Level 2

Statistics deals with the collection, analysis, interpretation and presentation of numerical data. It includes descriptive statistics, probability, discrete and continuous distributions, methods of sampling, and inferential statistics. This course is designed to prepare a student for a college statistics course. TI83 PLUS calculator is required.

Prerequisite: Minimum 85% average in Algebra 2 or minimum 75% in Honors Algebra 2/Trig and present teacher approval.

COLLEGE PREP MATH

Credit 0.50

Level 2

This is a one-semester course, designed for the college prep student, in preparation for a college algebra course. It offers a brief review and a more in-depth study of algebra topics as well as selected topics in probability, statistics, data analysis, sequences and series, matrices, linear programming and exponential and logarithmic functions.

Prerequisite: Minimum 75% average in Honors Algebra 2/Trig or minimum 85% in Algebra 2 and present teacher approval.

Second Semester; Opposite "Trigonometry"

TRIGONOMETRY

Credit 0.50

Level 2

This one-semester course is a study of the circular and trigonometric functions, their graphs and applications of these functions.

Prerequisite: *Minimum 85% average in Algebra 2 and present teacher approval.*

First Semester; Opposite "College Prep Math"

COLLEGE ALGEBRA

Credit 1.00

Level 2

This full year course is designed for seniors who do not meet the prerequisites for upper level math classes but desire a fourth year of math. Topics include Algebra of the real numbers, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, system of equations and inequalities, basic matrices and determinants, sequences, series, basic probability, problem solving and data analysis.

Prerequisite: *Maximum 85% average in Algebra 2; Algebra 2 teacher approval.*

INTRODUCTION TO CALCULUS

Credit 1.00

Level 2

This pre-calculus course includes analytic geometry, function theory, polynomial, exponential and logarithmic functions, vectors, determinants, and topics in probability and statistics.

Prerequisite: *Successful completion of Honors Algebra 2/Trig or Trig/CPM and present teacher approval.*

HONORS INTRODUCTION TO CALCULUS

Credit 1.00

Level 3

Pre-calculus combines the trigonometric, geometric and algebraic techniques needed to prepare students for the study of Calculus and strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems. This course will be an in-depth analysis of relations, functions and their graphs. Pre-calculus combines topic from algebra and trigonometry. We will explore and study polynomial functions, rational functions, trigonometric functions, polar coordinates, complex numbers and exponential and logarithmic functions.

Prerequisite: *Minimum 85% average in Honors Algebra 2/Trig or minimum 80% average in Trig/CPM and present teacher approval.*

CALCULUS

Credit 1.00

Level 2

This is a non-AP Calculus course designed to prepare students for a college calculus course. This course will cover limits, continuity, derivatives and their applications, definite and indefinite integrals, and basic differential equations. At the conclusion of the course, students should have a sufficient preparation to take the AP Calculus AB exam, however the "AP Exam Prep" is not main focus of the course.

Prerequisite: *Successful completion of Introduction to Calculus*

ADVANCED PLACEMENT CALCULUS (AB) Credit 1.00 Level 4

This advanced placement course includes the major theorems of differential and integral calculus, a consideration of continuity, and the calculus techniques necessary for solving extreme value, related rate, area, volume, and surface area problems involving algebraic, trigonometric, and exponential functions. The course covers work in the first semester and a half of college calculus.

Prerequisite: *Minimum 80% average in Honors Introduction to Calculus and present teacher approval.*

ADVANCED PLACEMENT CALCULUS (BC) Credit 1.00 Level 4

This course is designed to prepare students for taking the BC Calculus examination. This examination covers two semesters of college calculus. A qualifying grade on the BC examination will allow a student to receive credit for a full year of college calculus. This course is designed for students who have done exceptional work in Introduction to Calculus. These students will be scheduled for a full year of BC Calculus. The course is also designed for students who have already taken the AB Calculus course. These students will take this course only in the second semester. The first semester of the course will cover the A and B topics of the curriculum. The second semester will cover the C topics of the curriculum.

Science

The Science Department at Bethlehem Catholic High School seeks to develop the knowledge, skills and attitudes, which will enable each student to live as a responsible Christian in a constantly changing world. Since the study of science involves the understanding and interpretation of basic ethical and moral values, science teachers have the responsibility to direct the development of each student physically, spiritually and socially. The science curriculum is designed to satisfy the individual academic needs of students. In following the appropriate sequence of courses, each student will develop an interest in, as well as an appreciation and respect for science and its applications.

IMPORTANT ADVISORY

All students are required to study three years of sciences. For students interested in a scientific, medical engineering career, we advise study in all the basic sciences; namely, biology, chemistry and physics. It is imperative for a science major to schedule as many upper level courses as possible so that in senior year an Honors Biology 2 or AP Chemistry would be appropriate. Science majors are also strongly advised to schedule as many mathematics courses as possible to complement a good preparation for college.

BIOLOGY

Credit 1.00 Level 2

This introductory course presents the traditional aspects of Biology with a focus on the skills needed to think critically in an ever-changing world. The topics covered include: The Nature of Science, Characteristics of Life, Chemistry of Life, Cell Structures and Functions, Cellular Energy, Cellular Reproduction, Genetics and Heredity, along with other current topics and issue. Students will learn through a variety of methods with a focus on collaboration, the use of scientific tools to make observations, analyze data, and reach conclusions based on evidence. Laboratory investigations are used to reinforce course content and to develop critical-thinking skills. Students will develop an appreciation and respect for how science relates to their everyday life.

HONORS BIOLOGY

Credit 1.00 Level 3

This course takes an in-depth approach to the study of life at the molecular and cellular level. Students learn the traditional aspects of biology, including: The Nature of Science, characteristics of life, Chemistry of Life, Cell Structures and functions, Cellular Energy, Cellular Reproduction, Genetics and Heredity, along with other current topics and issues. Key concepts are explored by integrating inquiry-based laboratory investigations, readings, and relevant technology. This course is designed for students who intend to take advanced science courses and who have an interest in a career related to science.

CHEMISTRY

Credit 1.00 Level 2

Chemistry focuses on the properties and reactions of matter with emphasis on real-world applications. Topics of concentration include scientific measurements, symbolic representation, properties and structure of matter, chemical reactions, and relationships between energy and matter. These concepts are developed through inquiry-based labs, demonstrations, problem solving, and other interactive activities. Mathematical skills through algebra are used in problem-solving.

HONORS CHEMISTRY

Credit 1.00

Level 3

This course emphasizes a study of basic scientific principles through experimentation. The understanding of scientific principles is fortified through discussion and problem solving. A solid mathematical background is essential to success.

The course is designed for students who will be majoring in any science-related field in college, such as: medicine, nursing, chemistry, physics, engineering, or biology.

Prerequisite: 85% average in Honors Biology and Honors Mathematics course or 90% average in Biology and Mathematics course and current teacher approval.

ENVIRONMENTAL SCIENCE

Credit 1.00

Level 2

The theme of this environmental science course is "balance vs. imbalance; a balanced system survives, an imbalanced system is doomed to collapse". The human situation in relation to the environment should be seen in this light.

The course can be generally broken down into the following topics:

1. Natural ecosystems and how they function
2. Population balances
3. Soil and water ecosystems and managements
4. Pollution issues
5. Chemical pest control vs. natural methods of biological control
6. Conservation of natural ecosystems and species
 - a. recycling
 - b. solar and nuclear technology

Prerequisite: Biology, Chemistry and Algebra 2 (which may be taken concurrently)

HONORS ENVIRONMENTAL SCIENCE

Credit 1.00

Level 3

The theme of this environmental science course is sustainability, human populations existing indefinitely with a high standard of living and health. To attain this goal focus will be on the concepts of preservation, conservation, reduction of wastes, and renewable resources. These concepts are reinforced with short and semester long lab activities, more critical thinking and analysis, individual research projects, and discussion of current local environmental issues.

Prerequisite: Grade of 85% or better in Biology and Chemistry, Algebra 2 (may be taken concurrently), and teacher of course approval.

PHYSICS

Credit 1.00

Level 2

Physics is an algebra-based, introductory college-preparatory course that explores the topics of classical mechanics, momentum, work and energy, circular motion, rotational dynamics, vibrations and waves, and sound. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Significant instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. This course is recommended for students interested in majoring in engineering, pre-medicine and allied health, earth sciences and physics.

Prerequisite: 85% average in Chemistry and Mathematics course or 80% average in Honors Chemistry and Honors Mathematics course and teacher of course approval.

HONORS PHYSICS

Credit 1.00

Level 3

Honors Physics is an algebra-based, introductory college-preparatory course that explores the topics of classical mechanics, momentum, work and energy, circular motion, rotational dynamics, vibrations and waves, and sound. Significant instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. This course is recommended for students interested in majoring in engineering, pre-medicine and allied health, earth sciences and physics.

Prerequisite: *90% average in Chemistry and Mathematics course or 85% average in Honors Chemistry and Honors Mathematics course. The Mathematics courses required are Algebra 1 and 2 and Trigonometry which may be taken concurrently. The approval of the teacher of the course is required.*

HONORS PHYSICS 2

Credit 1.00

Level 3

Honors Physics 2 is an algebra-based, introductory college-preparatory course that explores the topics of electrostatics, electrical circuits, magnetic fields, electromagnetism, fluid statics and dynamics, thermodynamics with kinetic theory, physical and geometric optics. Significant instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. This course is recommended for students interested in majoring in engineering, pre-medicine and allied health, earth sciences and physics.

Prerequisite: *Students should have completed Physics 1 or a comparable introductory course. Students should have taken or be concurrently taking Pre-Calculus (Introduction to Calculus) or an equivalent course. Teacher of course approval.*

ANATOMY & PHYSIOLOGY

Credit 1.00

Level 2

This course is a laboratory based biological science emphasizing the fundamental and principle concepts the Anatomy & Physiology of the Human Body. Biology 2 will begin with basic terminology and cell structure; then extends to a survey of the organ systems. These examinations of the body systems illustrate the complementary sciences of structure and function at all levels of organization. As the content investigates the body systems, critical thinking skills will be developed through evaluations of homeostatic imbalances and disease diagnoses. The course will involve a thorough dissection of the *Felis domesticus* (*domestic cat*) as the systems are learned as well as develop strong Laboratory skills working independently. This course is recommended for the average student going into the Health Sciences or someone who wants to gain knowledge of the Human Body.

Prerequisite: *80% or better in Honors/College Prep Biology 1 and Honors/College Prep Chemistry and teacher of course approval.*

HONORS BIOCHEMISTRY/ ANATOMY & PHYSIOLOGY

Credit 1.00

Level 3

This course is designed for the above average student majoring in Biology or some science related degree at the college level. It is a fast-paced course emphasizing the biochemistry of cell physiology and anatomy & physiology of all types of organisms including bacteria, plants, and animals. Critical thinking skills are emphasized along with strong Laboratory

skills. Primary emphasis in this course should be on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. Several dissections are performed throughout the year. The course will emphasize SAT II subject area multiple choice test questions and problem solving skills. This is a demanding course in the biological sciences.

Prerequisite: A final average of 85% in both Honors Biology 1 and Honors Chemistry, and teacher of course approval.

ADVANCED PLACEMENT CHEMISTRY **Credit 1.00** **Level 4**

This course serves the interest of the student who wishes to pursue college-level studies while still in high school. It is open to both juniors and seniors.

The course is designed to be the equivalent of the General Chemistry course usually taken during the first year in college. It differs qualitatively from the usual first secondary school course with respect to the kind of textbook used, the topics covered, the emphasis on chemical equations and the mathematical formulation of principles, and the kind of lab work done by the students. Quantitative differences appear in the number of topics treated, the time spent on the course by the student, and the nature and variety of experiments done in the lab, and the maturity and study demanded of the students. Advanced Placement Test is a requirement.

Prerequisite: Honors Chemistry, Algebra 2, Trigonometry, and teacher of course approval.

ADVANCED PLACEMENT BIOLOGY **Credit 1.00** **Level 4**

The AP Biology course is a rigorous, college-level course that provides students the opportunity to experience the problem-solving nature of a laboratory-intensive science class while studying the core concepts of modern Biology. Students will gain a greater appreciation for the process of scientific research and should be able to apply their knowledge of biological concepts and their critical thinking skills to current environmental and social issues. The course is structured around the following four big ideas: the process of evolution drives the diversity and unity of life; Biological systems utilize free energy and molecular building blocks to grow, reproduce, and to maintain dynamic homeostasis; Living systems store, retrieve, transmit, and respond to information essential to life processes; Biological systems interact, and these systems and their interactions possess complex properties.

Prerequisite: Successful completion of Honors Biology and Honors Chemistry. Teacher of course approval.

Social Studies

Social Studies is the study of individual and group relationships - man's past, present, and future. Department emphasis is placed on the foundations of Western Civilization with special significance placed on the Greco-Roman and Judeo-Christian Heritage. The Bethlehem Catholic High School Social Studies Department, aware of the various religious and ethnic group that are prevalent throughout the world, is dedicated to the task of providing students with an understanding of our planet's diversification. The Social Studies Department attempts to cultivate an atmosphere in which students can develop the skill needed to make morally responsible decisions with sufficient opportunities for them to express their own individuality and creativity, while at the same time, respecting the same qualities in others.

AMERICAN HISTORY

Credit 1.00

Level 2

This course is a survey course that explores the political, social and economic trends from Reconstruction through the Seventies. With a chronological flow, a thematic approach to events will be employed in this course. The course includes a detailed study of the Reconstruction Period, Westward Expansion, Progressive Era, Depression, WWI, WWII and the Cold War. The course will also focus on the economic and demographic transition of the United States from a rural-agricultural to an urban-industrial nation.

HONORS AMERICAN HISTORY

Credit 1.00

Level 3

See above. Greater emphasis is placed on reading and writing skills.

AMERICAN GOVERNMENT/ ECONOMICS

Credit 1.00

Level 2

This is a survey course on basic American political institutions. Units of study include the Constitution, the Presidency, the Courts, pressure groups, political parties and public opinion surveying. Students will gain a better understanding of political decisions made through the course of History.

This introductory Economics is a survey of the uniquely American free enterprise system. It examines capitalism against competing economic systems found in our world.

HONORS AMERICAN GOVERNMENT/ ECONOMICS

Credit 1.00

Level 3

This is an in-depth study of American political institutions. It will prepare students to take AP U.S. History. In addition to understanding basic American political institutions, students will be asked to demonstrate critical thinking skills and policy analysis. Students will be expected to convey written expression of ideas and be able to defend positions through verbal expression.

This introductory Economics is a survey of the uniquely American free enterprise system. It examines capitalism against competing economic systems found in our world.

Prerequisite: Averages of 85 or higher in Honors Social Studies AND English or 90 in College Prep Social Studies AND English. Teacher of the course approval.

WORLD GEOGRAPHY

Credit 1.00

Level 2

This course is dedicated to a study of the world around us. The class starts with an introduction to geography, in which students will learn the five themes of geography, the features that define the earth, the climate patterns of the earth, how to study peoples and cultures of the earth and how to use various geographic tools. From there students will use the skills they have learned to apply to the ten areas of the world we will be studying. In addition to using these skills to apply to ten areas, the students will look at the physical features of those areas (land, climate, and types of vegetation). Each area will also be addressed in terms of its culture, which includes studies of population patterns, history and government, and cultures/lifestyles. The final area to be addressed to each of the ten areas is current news about the area. This includes current living conditions, current news events, and how people there are interacting with their environment.

Prerequisite: Successful completion of American History, American Government and World History.

WORLD HISTORY

Credit 1.00

Level 2

Analysis will be made of the historical development and contemporary situation of Western Civilization. A study of the foundation of Western Civilization with a special emphasis on the Greco-Roman and Judeo-Christian heritages will be pursued. The Renaissance, Reformation and the rise of the Nation-State will provide a transition to the modern era. In the modern era, Revolution, Nationalism, Imperialism, and World War I will be analyzed.

HONORS WORLD HISTORY

Credit 1.00

Level 3

Analysis will be made of the historical development and contemporary situation of Western Civilization. A study of the foundation of Western Civilization with a special emphasis on the Greco-Roman and Judeo-Christian heritages will be pursued. The Renaissance, Reformation and the rise of the Nation-State will provide a transition to the modern era. In the modern era, Revolution, Nationalism, Imperialism, World Wars I and II and the Post-War World will be analyzed. Students will take an in depth look at civilizations and make a side by side comparison through projects and written papers. Students will be required to participate in National History Day. A summer reading list will be provided.

Prerequisite: Averages of 85 or higher in Honors Social Studies AND English or 90 in College Prep Social Studies AND English. Teacher of the course approval.

****A section of Honors World History is available in the summer for those students taking AP US History or AP US Government and Politics during their junior year of high school. There is a separate fee and registration for this course****

AP US HISTORY

Credit 1.00

Level 4

The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. All students are required to complete summer reading assignments and take the AP U.S. History exam in May.

Prerequisite: Department Chairperson approval.

AP US GOVERNMENT AND POLITICS

Credit 1.00

Level 4

The AP U.S. Government and Politics course involves the study of democratic ideas, balance of powers, and tension between the practical and ideal in national policy-making. Students analyze and discuss the importance of various constitutional principles, rights and procedures, institutions, and political processes that impact us as citizens. The course will be an intensive study of six major areas encompassing the underpinnings of the constitution, federalism, the three branches of government, political beliefs and behaviors, public policy, civil liberties and rights, political parties, interest groups and the media. The United States Government and Politics course will give students an analytical and evaluative perspective on our system of government. The course includes both the study of general concepts to interpret how our unique system of government is structured and operates as well as specific examples since our founding.

Prerequisite: *Students are required to have completed American History, American Government, and World History. There is a summer assignment and all students must take the AP exam in May. Teacher of course approval.*

SOCIOLOGY

Credit 0.50

Level 2

This one-semester course aims at giving the student, together with a brief intellectual history of sociology, a descriptive analysis of the structure and function of human society, or group behavior, by concentrating on basic sociological concepts such as: culture, socialization, organization, stratification and social institutions.

Prerequisite: *Teacher of course approval. Second Semester; Opposite "Psychology"*

PSYCHOLOGY

Credit 0.50

Level 2

This one-semester course aims at providing the student with a basic understanding of all areas in the world of psychology, or individual behavior, from the biological bases of behavior to various schools of psychology and fundamental psychological concepts such as: personality, motivation, perception, conditioning, learning, emotion, and abnormal behavior.

Prerequisite: *Teacher of course approval. First Semester; Opposite "Sociology"*

Business

The Business Department of Bethlehem Catholic High School affords students the opportunity to prepare for effective living. Students need to have an understanding and an appreciation of the role that business plays in our society. Our program strives to contribute to the general education of students, as well as to provide them with the necessary skills and knowledge for college and eventual employment.

In accordance with the aims of Catholic Education, Christian social principles are simultaneously inculcated in order to develop a sense of social justice and moral values.

INTRODUCTION TO BUSINESS Credit 0.50 Level 2

Introduction to Business is a survey of the modern private enterprise system. It is an introductory course that provides students with a basic understanding of business with emphasis placed on the exploration and description of fundamental business concepts and applications. The course will enable students to learn what business is, how it operates in a free market, and the principles by which a business is managed. Students will learn forms of ownership and the functions of finance, marketing, human resources, production and management of business operations.

Juniors/Seniors only

****Second Semester; Opposite "Marketing and Management"**

MARKETING AND MANAGEMENT Credit 0.50 Level 2

This course will enable the students to recognize, understand and apply marketing, general management and economic concepts in the uniquely American marketplace, as well as globally where free markets exist.

The focus is on the marketing functions applying to product development, positioning, pricing and promotion of goods and services. Marketing will be examined from the perspective of a business person as well as from the critical view-point of a consumer.

Juniors/Seniors only

****First Semester; Opposite "Introduction to Business"**

INTRODUCTION TO ACCOUNTING Credit 1.00 Level 2

Introductory Accounting is an entry-level course designed to: 1) Develop the foundational understanding and skills needed to perform double-entry accounting and 2) Provide students with a basic comprehension of business financial operations.

Students will learn the accounting cycle and how generally accepted accounting principles are applied to record the value of assets, liabilities, and owner's equity. Included will be the utilization of accounting journals, posting to the general ledger, financial statement preparation, and some fundamental financial analysis.

Juniors/Seniors only

ACCOUNTING II**Credit 1.00****Level 2**

Accounting II is an elective designed for seniors who have successfully completed Introduction to Accounting. The subject is structured to provide the knowledge and skills needed by students who may be considering accounting or business courses in college. The course begins with a detailed analysis of departmentalized accounting for a corporation. The accounting cycle for a merchandise business is the initial focus and includes computing and recording departmentalized data, as well as using special journals for various accounting adjustments. Also discussed are depreciation, uncollectible accounts, notes receivable and payable, accrued and prepaid expenses, inventory control and valuation, common stock and bonds. A section on managerial accounting, financial statement analysis and cost accounting completes the course.

Seniors only

Prerequisite: *Successful completion of Intro to Accounting and teacher of course approval.*

Art and Music

STUDIO ART 1

Credit 1.00

Level 2

This is an introductory course in the visual arts. Students study elements and principles of design used in the creation of two-dimensional works. They will also be introduced to art history and art appreciation. Students are exposed to various media and techniques used in drawing and painting. Students will gain skills in various disciplines including, but not limited to drawing, painting and printmaking. Art 1 is a course that provides an introduction to art through multi-media experience. Students will learn and apply the elements and principles of design to produce creative art projects that reflect their understanding of these concepts and the techniques of various media.

Prerequisite: Teacher of course approval.

STUDIO ART 2

Credit 1.00

Level 2

Students will expand previously developed skills from Art 1 in drawing and painting. Principles of design, art appreciation, art history and additional media and techniques such as printmaking are emphasized in this course.

Prerequisite: Art 1 and teacher of course approval

STUDIO ART 3

Credit 1.00

Level 3

This course is designed for juniors and seniors with a serious interest in the visual arts. This is an advanced course that stresses strong technique, development of a studio work ethic in the production of art and an emphasis on decision making in developing a strong personal statement through their craft. This class will help the art student make a smooth transition into the Honors Studio Art Class.

Prerequisite: Art 1, Art 2 and teacher of course approval. ***Juniors and seniors only.***

HONORS STUDIO ART

Credit 1.00

Level 3

This course is the most advanced 2-D visual arts course available. There is a series of open-ended assignments intended to encourage self-motivation and discipline. Students are expected to be motivated and prepared to research media and techniques. This course requires that additional work be done outside of the regular class time, as well as full work participation during class. Each student must assemble a portfolio to represent his/her work as an artist. They are also required to create an individual art display for the end of the year art show.

Prerequisite: Art 1, Art 2, Art 3 and Teacher of course recommendation. ***Juniors and seniors only***

FOUNDATIONS ART CLASS:

Credit 0.50

Level 2

This is a ½ year foundations class offered to sophomores who are interested in art and plan to take Studio Art 1 their junior year. This class would prepare the students for Studio classes by introducing them to the principles of art. The students will learn basic skills in drawing and painting.

Sophomores only

3-DIMENSIONAL STUDIO ART

Credit 1.00

Level 2

This course is designed to introduce the students to various 3-D mediums. These may include, but are not limited to clay, metal, fiber, paper, wood, etc. A variety of methods and techniques will be taught, as well as design/creation, art history and art appreciation. Instruction in the processes, correct use of tools, terms, and techniques will be provided.

Prerequisites: None

THEATER ARTS

Credit 1.00

Level 2

This class is open to students who express an interest in Theater. It will provide hands on experience in creating props, scenery and advertisements for play productions. Students will learn how to transform everyday objects into props with the use of cardboard, paper mache and various painting techniques. Students will learn how to use simple hand held tools as well as simple electrical tools such as drills and jigsaws. The students will work closely with the Theater program to assist with the Christmas play, dramatic winter production, Passion Play and spring musical. Students will learn how to create props from simple materials, how to paint backdrops, how to create playbills and posters.

Prerequisite: Approval of BOTH Art teacher and Theater adviser

MUSIC THEORY I & II with Strings

Credit 1.00

Level 2

Music Theory is a class geared towards the musician who wants to enhance musical knowledge. Ear training, transposition, and music history are included in the course sequence. This class has also been adapted for the non-musicians who would like to gain a basic understanding of music theory as well as learn to read music in the treble and bass clefs. The class includes lecture, performance, ear training, and other such activities. In the second semester, students be introduced to the violin. The students will learn to care for, tune and will be introduced to basic violin technique, forming proper violin and bow holds. This portion of the course is a performance based class that will include daily performance and playing assessments.

BAND

Credit 1.00

Level 2

Band is a class that meets during the school day and holds rehearsals over the summer during band camp. The band program consists of three instrumental groups and the band front. In the fall semester, the instrumentalists focus on Marching Band. Prior to December, the ensemble transitions to Concert Band. If instrumentation allows it, a Jazz Band is also started during the winter months. Participation in this ensemble is optional. The Marching, Concert, and Jazz bands perform throughout the year and represent the school at different community events in addition to a Christmas and Spring Concerts. The band also prepares for an annual spring trip to participate in festivals or clinics. (Participation in the spring trip is optional.) Classroom activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines such as sight-reading and correct responses to a conductor's musical insight to the literature being studied and to be performed. Students study a varied advanced repertoire of developmentally appropriate concert band literature, technical studies, and develop the ability and artistry to convey a composer's intent in the performance of music. For more details please contact Mrs. Eick at ceick@becahi.org.**

While there is no midterm or final for this class, grades are calculated through performance attendance quarterly playing assessments, self-evaluations, and teacher-evaluations.

BAND FRONT

Credit 1.00

Level 2

The band front (color guard) is an important part of the band program. The band front consists of two performing groups, Majorettes and Silks. Anyone can join the band front as long as they are prepared to work hard and have fun. Although no experience is necessary, performers should be prepared to learn how to perform with confidence and personality. Band front rehearses with the instrumentalists during band camp and during the scheduled band period within the school day. The band front can be seen performing with the Marching Band in fall semester and again at the Christmas and Spring concerts. Band front members also have the opportunity to share their time in band as an instrumentalist if they wish. The band front also prepares for an annual spring trip to various destinations to participate in festivals or clinics. Participation in the spring trip is optional. **

While there is no midterm or final for this class, grades are calculated through performance attendance, self-evaluations and teacher evaluations.

****There is an additional fee (quota) to participating in the band/band front programs. A trip quota or non-trip quota is collected through the Band Parent Association (BPA) and can be supplemented through monthly fundraisers. For more details please contact Mrs. Eick at ceick@becahi.org.****

Health, Physical and Driver Education

HEALTH

Credit 0.25

Level 0

This is a required course for all 9th grade students. Appropriate graduation credit is given for satisfactory completion. Grades are not considered for Quality Point Average. The Health course provides information on four major health-related topics: Nutrition and Fitness; Alcohol and Drug Abuse; Human Sexuality and Mental Health. Attitude and skills obtained through this course are aimed at providing students with skills which allow them to make responsible decisions and choices throughout their lives.

PHYSICAL EDUCATION

Credit 0.50

Level 0

This is a required course for all students in grades 9, 10 and 11. Exemptions can be made for those who take the course Band/Band Front. Appropriate graduation credit is given for satisfactory completion. Grades are not considered for Quality Point Average. The Physical Education course stresses areas of personal development through a variety of sport-based activities. The student is given the opportunity to experience team sports as well as individual sports in order to enhance lifetime skills. The program is based on participation and individual improvement with emphasis on skill development, practice and enjoyment. Grades are not included in the Quality Point Average.

DRIVER EDUCATION

Credit 0.25

Level 0

This is a required course for all 10th grade students. Appropriate graduation credit will be given for satisfactory completion. Grades are not included in the Quality Point Average.

This program is divided into two segments. The theory (in class) consists of meeting the minimum state requirement of thirty class hours for one semester to teach the student to think critically and analytically. The second phase of road training is offered to eligible students primarily after school, on weekends or during the summer. The road phase is to insure that students display acceptable skills in driving safely, legally and maturely. After completion of 6 hours, the student may be tested for their driver's license.

Information Technology

The goal of the Information Technology Department of Bethlehem Catholic High School is to prepare our students to compete in a world that is ever more dependent on technology. Students completing courses in our department will gain a working knowledge of presentation and computer skills that will not only aid them in their college classes, but in the business world that lies ahead.

INTRODUCTION TO INFORMATION TECHNOLOGY

CREDIT 0.25 LEVEL 0

This course is required for freshman students. Students will receive instruction for three days of the six day cycle for one semester. It begins with Cyber security and Windows 10 fluency. Students continue learning Microsoft Excel including basic spreadsheets, formulas, functions, graphing, and formatting. Students then work in Microsoft Word to format documents and write a small research paper in the MLA style of documentation. At the conclusion of the semester, students learn to create PowerPoint presentations. No prior computer experience is necessary.

WEB DESIGN

CREDIT 1.00 LEVEL 3

This is a full year course which will give students the ability to create web pages that are reflective of real world use.

In the first semester, students will learn the basics of web page design using Hyper Text Mark-up Language (HTML) and Cascading Style Sheets (CSS). The first web pages that the students create will be done using elements and attributes using HTML5 code. Style sheets, using CSS will then be introduced to allow for the creation of more complex page designs, enhanced formatting, and multiple page web sites.

In the second semester, students will be creating web pages using the software program Dreamweaver, in conjunction with HTML 5 and CSS. The semester will begin using basic elements to design a single web page. As the semester progresses, students will create tables, templates, and forms; add links and graphics, and use audio and video to create enhanced web pages. No prior computer experience is necessary.

MICROSOFT OFFICE 2013

CREDIT 1.00 LEVEL 2

This is a full-year comprehensive course, which includes an introduction to computers and the Internet and Microsoft Office software applications: Word, Excel, Access, and PowerPoint.

Students will learn how to use basic Internet functionalities more effectively through the use of toolbars, tabs, windows, bookmarks and favorites along with Windows 10 skills.

The software applications will be covered in the following progression: Word, Excel, Access, and PowerPoint. Students will work through the basic concepts for each application, and then move on to more advanced concepts. As the year progresses, concepts from the previous applications will be incorporated into the current projects. No prior computer experience is necessary.