



PROGRAM OF STUDIES
2020-21

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MISSION

“At Bethlehem Catholic High School, we empower our students to live their faith, embrace learning, serve with compassion and embody integrity.”

BRAND PROMISE

Entrusted with great responsibility, we take pride in developing students of character and integrity that embrace their faith and live with passion and dignity.

BELIEFS

Faith

We believe that the spiritual development of our students is the cornerstone of our community. Our students witness the Gospel by praying together, upholding the dignity of life, and respecting people of all faiths.

Learning

We believe that by challenging our students with a rigorous curriculum, we prepare them to think critically, work collaboratively and communicate effectively.

Integrity

We believe that by modeling respect, responsibility, and integrity, our students become citizens who maintain high moral standards and make decisions based upon Christian values.

Service

We believe that by serving others we put our faith into action and develop a universal awareness of those in need.

Environment

We believe that providing a safe, loving and Christ-centered environment supports students and enables them to achieve in all aspects of the high school experience.

21st Century

We believe that modeling faith, service, learning and integrity in a Christian environment prepares our students to excel in the challenges of a dynamic world.

A MESSAGE FROM THE PRINCIPAL

The Bethlehem Catholic High School Program of Studies has been developed through a collaborative process involving your teachers and administrators. As times change, so must the Program of Studies to reflect our current programs and procedures. Regardless of the changes, our goal remains to meet the needs of each and every student while maintaining the organizational structure necessary for a 21st century high school. For us to properly identify our staffing, curricular, and instructional needs, it is critical that you follow the procedures and timelines outlined in this program.

Please take time to review the Program of Studies with your parents or guardians. Our school counselors, teachers, and administrators will be happy to provide you the appropriate resources and support as you reflect on your future goals and make your final course selections. Regardless of your path following graduation, we urge you to select courses that will challenge you to learn and grow, while meeting your needs and addressing your areas of interest.

Course selection can be an exciting yet stressful process. Please communicate with your parents, teachers, and counselor as you finalize your selections and build your schedule. We are committed to providing you the support you need to have a great high school experience.

Sincerely,

Holly L. DeNofa

Mrs. Holly L. DeNofa

ADMINISTRATORS

| <u>Name</u> | <u>Position</u> | <u>Email</u> | <u>Phone-610-866-0791</u> |
|----------------------|------------------------|--|---------------------------|
| Mrs. Holly L. DeNofa | Principal | hdenofa@becahi.org | Ext. 350 |
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| Mr. Mike Grasso | Dean of Students | mgrasso@becahi.org | Ext. 333 |
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| Mr. Chris Domyan | Director of Athletics | cdomyan@becahi.org | Ext. 352 |
| Rev. Kevin Bobbin | Chaplain | kbobbin@becahi.org | Ext. 332 |

COUNSELORS

| <u>Name</u> | <u>Responsibility</u> | <u>Email</u> | <u>Phone-610-866-0791</u> |
|--------------------------|-----------------------|--|---------------------------|
| Mrs. Kathy Henry | 9 th Grade | khenry@becahi.org | Ext. 363 |
| Mrs. Paula Staples | 10-12 (A – Hos) | pstaples@becahi.org | Ext. 354 |
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THE SCHEDULING PROCESS

The Program of Studies can be accessed on the Becahi website. The program is the result of meetings with teachers, counselors, department chairpersons, administrators and the Board of Directors. The Program of Studies describes each course offered in the high school. Please take some time to become familiar with our course offerings.

COURSE REQUESTS

In early February, students will discuss next year's course selections with their subject teachers. All teachers will use the knowledge they have gained having your child in class to assist him/her in choosing an appropriate course for next year which best suits his/her abilities and aspirations. Your child will turn in the form which will then be reviewed by his/her counselor.

PLEASE NOTE: All freshmen and sophomores are required to take a minimum of 6.5 credits (6 major subjects and minors). Juniors and 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.

PREREQUISITES

Students are required to fulfill prerequisites before registering for any course. Students who have satisfied the prerequisite but do not meet the recommended grade contained therein and/or who are not recommended by their current teacher to take the desired course may submit a formal request to their counselor to over-ride the recommendation. This request will be reviewed and approved or denied based on the information presented. Students should see their school counselor for more information regarding this procedure.

SCHEDULING

Once selections are made, all the course requests are tallied. The number of sections of a course and teachers' assignments are determined by the students' course requests. Although every effort is made to accommodate students' requests, some cannot be honored. Because of the implications a few changes can have on the entire schedule, it is very important that each student's selections be made very carefully.

COURSE REQUEST CHANGES

If the selections have been carefully made, changes should not be necessary, except in very unusual situations. If you would like to request a change, please send the request in writing to your student's counselor before **May 1, 2020**. A change is much more likely to occur while the schedules are still being developed. Once the schedules are developed, a change request is highly unlikely to be implemented. We will never be unreceptive to extenuating circumstances, but a change merely for convenience is not in the best interest of good school organization.

CLASS TRANSFER AND WITHDRAWAL

Once schedules are distributed, changes will NOT be made. Exceptions will be made only if a student has been scheduled for a course that he or she did not request or, in rare cases, if an error exists on the student's schedule. Transfers and/or withdrawals from scheduled classes will be made only in special circumstances. Requests for a transfer and/or withdrawal will be considered only after:

1. The request from parents and student has been presented to the counselor on the form available from the student's counselor. Verbal requests, email or other written notes will not be processed.
2. The teacher has signified his/her approval.
3. The committee comprised of counselors and administrator(s) has granted its approval. The validity of the request will be determined by the committee after analyzing the student's record and consulting with the teacher, parents, and the student involved.
4. Once the midway date in the first grading period of the course has been reached, course withdrawals will appear on student transcripts as a WP or WF, based upon the student's performance at the time of withdrawal.

SCHOOL LOGISTICS

MARKING PERIOD, SEMESTER, AND FULL YEAR

The Bethlehem Catholic High School year is divided into four marking periods or terms. Report cards are issued at the end of each of these nine-week periods. An eighteen-week course is referred to as a SEMESTER course. Other courses, which have a duration of two semesters, are referred to as FULL YEAR courses. If a course is not designated as a semester course, assume the course's duration is a full year.

SIX-DAY CYCLE

Bethlehem Catholic operates on a six-day cycle schedule. Each day is numbered (1-6) rather than being identified by the traditional weekday name. This method aids in the scheduling of special classes such as science laboratories and wellness/fitness classes. It also provides for the continuity of days. In the past, when a holiday fell on a weekday and this was the day a student had a class, the student missed that part of the school program. Under the cycle schedule, holidays or days off do not affect the program since the next regular day is scheduled automatically. Example: If Monday (Day 2) is a holiday, Tuesday will become Day 2 in the student's schedule.

GRADE POINT AVERAGE

Grade Point Average is exact, cumulative, and weighted according to the level at which the subject is presented. Quality points used to calculate GPA are reported on a 4.0 weighted scale. Different quality point values are assigned for CP, Honors, and AP courses.

The GPA calculation is based on final grades earned in each course. The official cumulative GPA is calculated at the end of the academic year. The class rank is based on this cumulative GPA. The GPA and Class Rank calculated at the end of a student's eleventh grade year will be reported as part of the college application process.

A cumulative GPA, which includes all completed coursework through the end of a student's seventh semester, will be calculated and provided to colleges that require a mid-year report from applicants.

CLASS RANK

Class rank is determined by arranging the cumulative GPAs of all students graduating in the same year in order from highest to lowest. It is computed at the end of each academic year on a percentile basis, for example top 10% (ile). In the percentile reporting method, several students will occupy each percentile, and no distinction will be made among the students in each percentile.

ACADEMIC OPTIONS

HONORS AND ADVANCED PLACEMENT

The Honors and Advanced Placement courses are intended for students who are interested in an enriched experience in a specific subject. Enrollment in the courses is open to all students, but they must have satisfied the prerequisites and have the ability and desire to handle the increased academic demands. To remain in the courses, students must continue to demonstrate ability and desire to do the type of assignments required by this program. Students who complete an AP course are required to take the AP examination. All honors and AP courses need the approval of the teacher/counselor.

BETHLEHEM AREA VOCATIONAL TECHNICAL SCHOOL (BAVTS)

The Bethlehem Area Vocational Technical School is an extension of the Bethlehem Area School District and is available to students from that district. In some situations, when available, students from outside the Bethlehem Area School District may be approved to attend BAVTS. The various programs offered are an integral part of the curriculum of the home high school. Students who take a BAVTS program continue to take their required academic subjects and at Bethlehem Catholic during one-half of the school day and attend BAVTS the other half-day for their specialized career program. Students receive three credits for the successful completion of one year of vocational training. Diplomas awarded at graduation are given only by Bethlehem Catholic and not BAVTS. This program option is available for students in 11th and 12th grade. (In some situations, 10th graders can be accommodated)

COLLEGE COURSES AND OUTSIDE COURSES

Several local colleges and universities provide affordable opportunities for Bethlehem Catholic students to take college courses while still in high school. Students interested in such an opportunity should contact their school counselor. Prior written approval of the high school principal is required for all college courses. College courses and any other courses not taken through Bethlehem Catholic or its approved partners, will receive grades and will be reflected on the transcript where appropriate, but will **NOT** be counted as part of the GPA or class rank.

Any costs for courses outside of the regular high school program will be the responsibility of the student and his/her family.

VIRTUAL HIGH SCHOOL GLOBAL CONSORTIUM (VHS)

VHS is a non-profit international collaboration of public and private schools from the United States and many other countries. It offers junior and senior students high-quality online courses and provides professional development for online teachers. The program has been internationally recognized as a model for K-12 online education. Because we are members of VHS, some Bethlehem Catholic students will be able to:

- Engage in thought-provoking on-line courses.
- Experience robust interactions with teachers and peers.
- Have unique opportunities to collaborate and exchange ideas across cultures and time zones.
- Participate in courses that are highly desired but aren't otherwise available.
- Gain essential 21st century learning skills, such as multimedia presentation, communication, and teambuilding.

The coursework is challenging. Students need to be highly motivated and must be able to work well on their own. Although students will be scheduled for a 45-minute daily class for these courses, much time outside school is also required. The classes may be chosen from a wide selection of courses that are not part of the regular Becahi curriculum. Students must have the approval of the Director of Studies and the appropriate department chair for all VHS courses. Once classes begin, students will not be allowed to drop a VHS course. Any student who fails a VHS course or is given permission to withdraw from a VHS course must reimburse Becahi for the cost of the course and any additional lab fees that the school paid to VHS. Grades are assigned by the VHS instructor, not teachers at Bethlehem Catholic High School. The grades will be part of the student's grade point average. Interested students and their parents are urged to investigate the program further by logging on to the website: <http://vhslearning.org/>

BECAHI GRADUATION REQUIREMENTS

Graduation from Bethlehem Catholic High School requires a minimum of **27 credits** in the following areas 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 Gov., & World History) | 3 Credits |
| Foreign Language | 2 Credits |
| Electives | 5 Credits |
| Minors (PE 1, Health .25, FR Seminar .5, Drivers Ed .25) | 2 Credits |
| Community Service | 1 credit (.25 credits earned each year) |
| TOTAL | 27 CREDITS |

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

***Please Note, PE/DE & FR Seminar are NOT calculated into the GPA. ***

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 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 COLLEGE PREP CURRICULA

| <u>9th Grade</u> | <u>10th Grade</u> | <u>11th Grade</u> | <u>12th Grade</u> |
|-----------------------------|------------------------------|------------------------------|------------------------------|
| Theology | Theology | Theology | Theology |
| English | English | English | English |
| Algebra 1 | Geometry | Algebra 2 | Elective |
| Biology | Chemistry | Physics | Elective |
| American History | American Government | World History | Elective |
| Language | Language | Elective | Elective |
| PE/FR Seminar | PE/DE/HE | | |
| 7.00 Credits | 7.00 Credits | 6.00 Credits | 6.00 Credits |

Plus .25 Credits of Community Service per year for a total of **1 CR

SAMPLE VOCATIONAL CURRICULA

| <u>9th Grade</u> | <u>10th Grade</u> | <u>11th Grade (1st Year)</u> | <u>12th Grade (2nd Year)</u> |
|-----------------------------|------------------------------|--|--|
| N/A | N/A | BAVTS AM (4 CR) | Theology 12 |
| | | Lunch | English 12 |
| | | Theology 11 | Science |
| | | English 11 | Lunch |
| | | Math | BAVTS PM (4 CR) |
| | | | |

NCAA REQUIREMENTS

ELIGIBILITY

All student athletes interested in continuing their athletic careers at the collegiate level (Divisions I and II only, Division III is not affected) must familiarize themselves with NCAA Eligibility rules and requirements, as high school course selection can have an impact on future collegiate academic eligibility. Student athletes are advised to begin planning early in their high school careers to meet NCAA requirements, which are found in detail here: www.eligibilitycenter.org. It is the student athlete's responsibility to be aware of NCAA requirements. Please contact your coach, the Becahi Athletic Office, or your school counselor, if you have any questions. Courses approved by the NCAA are identified with the **NCAA** icon.

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 both two-dimensional work and three-dimensional work. Students 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. Students will be tested on art history and will be required to do sketchbook assignments outside of the art room.

Prerequisite: Art teacher approval. Juniors and Seniors

STUDIO ART 2

Credit 1.00 Level 2

Students will expand previously developed skills from Art 1 in drawing and painting and three-dimensional work. Principles of design, art appreciation, art history and additional media and techniques such as printmaking are emphasized in this course. Students will study art history as related to the assignments. The students will be tested on the artists presented. Students will also be required to keep an art journal as part of their marking period grade.

Prerequisite: Art 1 and art teacher approval. Juniors and Seniors

STUDIO ART 3

Credit 1.00 Level 3

This course is designed for 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. Students will be required to keep an art journal as part of each marking period grade. This class will help the art student make a smooth transition into the Honors Studio Art Class.

Prerequisite: Art 1, Art 2 and art teacher approval. Seniors only.

STUDIO ART HONORS

Credit 1.00 Level 3

This course is the most advanced 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 art teacher approval. Seniors only

3-DIMENSIONAL STUDIO ART

Credit 1.00 Level 2

This course is designed to introduce the students to various 3-Dimensional 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: *Foundations Art or Studio Art 1 and art teacher approval*

THEATER ART 1 and THEATER ART 2

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, and how to create playbills and posters. The students in Theater Arts are required to assist at set builds which take place on two Saturdays and Sundays for each production. Students must be able to attend at least one set build.

Prerequisite: *Approval of BOTH Art teacher and Theater adviser*

MUSIC APPRECIATION

Credit 1.00 Level 2

This course will introduce students to music as a discipline, its notation, and a sampling of the great works in Western music. It will include a survey of music history from the invention of written notation in the Middle Ages to the end of the Romantic Period, including the standardization and evolution of music in the Catholic Mass, the expansion of published music during the Renaissance, the commissioned masterpieces of the Baroque Period, the rise and fall of opera as a popular genre of Classical music, and the birth of amateur musicianship and folk tunes during the Industrial Age.

Students will learn how to read modern music notation and will be expected to perform simple rhythms and tunes with percussion instruments. Students will also be able to view history from an artistic perspective and understand how music has shaped, and was shaped by, the growth of Western Civilization. Ultimately, students will acquire an appreciation for how the music of today is informed by the music of the past. Evaluations will include playing assessments, listening journals, written quizzes and tests, and a project presentation on a great composer from one of the major historical periods of music.

MUSIC THEORY I & II WITH STRINGS

Credit 1.00 Level 2

This course will explore the fundamentals of music that have become standard practice in Western music over nearly 15 centuries of composition and performance. Students will learn how to read, write, and sing scales and intervals, construct chords, build chord progressions, and compose music in standard forms. Additional topics will include tempos and meters, compound rhythms, ear training, modes, modulation, and transposition. Evaluations will

include vocal/aural assessments, written quizzes and tests, listening journals, and compositional exercises.

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 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, and analyzing music. Students study historically significant styles of literature and integration of other applicable disciplines, such as sight-reading, correct responses to a conductor's musical insight to the literature being studied and performed. Students study a varied advanced repertoire of developmentally appropriate concert band literature, technical studies. They develop the ability and artistry to convey a composer's intent in the performance of music. For more details please contact Mr. Klump at cklump@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 Mr. Klump at cklump@becahi.org.****

BUSINESS & TECHNOLOGY

The Business & Technology Department will provide students the opportunity to gain an understanding and an appreciation of the role that business plays in our society, in addition, prepare our students to compete in a world that is ever more dependent on technology. 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. Students completing courses in this department will gain a working knowledge of presentation and computer skills that will not only aid them in their college classes, but in daily life.

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

INTRODUCTION TO BUSINESS

Credit 0.50 Level 2

This course will enable the students to recognize and understand 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. The principles and concepts from this course will be used to manage, operate and provide leadership for the school store.

Juniors/Seniors only

****Second Semester; Opposite "Marketing & 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 0.50 Level 2

Introductory Accounting is an entry-level survey 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. The course will include the utilization of accounting journals, posting to the general ledger, financial statement preparation, and some fundamental financial analysis. The also covers 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. The school store will be used to simulate a business environment where students can apply the accounting principles taught in class.

Juniors/Seniors only

****First Semester; Opposite "Personal Finance"**

PERSONAL FINANCE

Credit 0.50 Level 2

The personal finance course is intended to expose students to their role as citizens, consumers, family members and active participants in the business world. It will provide a basis for understanding and anticipating financial opportunities, challenges and responsibilities in the real world, as well as equip students for their lifelong journey in personal financial planning. Discussed are: basic financial concepts, means to enhance financial security and wealth potential, strategies for resource management, the use of credit and the many ways of investing money, and risk management.

Juniors/Seniors only

****Second Semester; Opposite "Intro to Accounting"**

FRESHMEN SEMINAR

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 a full year. 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. The course will include study skills, time management, organization and school success strategies and resources.

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.

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.

ENGLISH 9 HONORS 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.

ENGLISH 10 HONORS NCAA**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: Minimum final average of 88 in English 9 Honors or a minimum grade of 95 in English 9 and DEPARTMENT CHAIR APPROVAL.

ENGLISH 11 NCAA**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.

ENGLISH 11 HONORS NCAA**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. 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 final average of 88 in English 10 Honors or a minimum grade of 95 in English 10 and DEPARTMENT CHAIR APPROVAL.

AP ENGLISH 11 NCAA**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: Minimum final average of 93 in English 10 Honors class and DEPARTMENT CHAIR approval.

ENGLISH 12 NCAA**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.

ENGLISH 12 HONORS *NCAA*
(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 students in their preparation for college.

Prerequisite: Minimum final average of 88 in English 11 Honors or a minimum grade of 95 in English 11 and Department Chair Approval.

AP ENGLISH 12 *NCAA*
(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 of this course.

Prerequisite: *Minimum final average of 88 in AP English 11 class or a minimum grade of 93 in English 11 Honors and DEPARTMENT CHAIR 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*

PUBLIC SPEAKING *NCAA*

Credit .5 Level 2

The Public Speaking Course will offer information and practical skills on a variety of speaking opportunities. These includes mass media--broadcasting via both tv and radio, commercials, and media production, as well as traditional speaking opportunities. The goal of the course is to provide students with the tools they need to become proficient, confident public speakers in a variety of settings.

HEALTH, PHYSICAL EDUCATION & DRIVER EDUCATION

HEALTH

Credit 0.25

Level 2

This is a required course for all 10th grade students. Appropriate graduation credit is given for satisfactory completion. Grades are 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 Wellness. 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 and 10. 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 to enhance lifetime skills. The program is based on participation and individual improvement with an 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. The student is taught 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 ensure 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.

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 **NCAA** (NCAA .5 Credit) **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 **NCAA** (NCAA .5 Credit) **Credit 1.00** **Level 1**

Continuation of Algebra 1, Part 1.

Prerequisite: Algebra 1, Part 1

ALGEBRA 1 **NCAA** **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.

ALGEBRA 1 HONORS **NCAA** **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; and simplifying, adding and subtracting radicals.

GEOMETRY **NCAA** **Credit 1.00** **Level 2**

This course 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

GEOMETRY HONORS *NCAA***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 Algebra 1 Honors or 95% in Algebra 1 and present teacher approval.*

ALGEBRA 2 *NCAA***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.*

ALGEBRA 2/TRIGONOMETRY HONORS *NCAA***Credit 1.00 Level 3**

This course includes all topics in the Algebra 2 curriculum as well as a complete study of trigonometry and an introduction to statistics. 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 Algebra 1 Honors and Summer Geometry; or minimum 85% in Algebra 1 Honors and Geometry Honors; or minimum 95% in Algebra 1 and Geometry and present teacher approval.*

AP STATISTICS *NCAA***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 Algebra 2 Honors and Trigonometry or Introduction to Calculus Honors or minimum 95% in Algebra 2 or CPM and recommendation of English teacher.*

STATISTICS *NCAA***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. TI84 PLUS calculator is required.

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

COLLEGE PREP MATH NCAA**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: Successful completion of Algebra 2 Honors and Trigonometry or minimum 85% in Algebra 2 and present teacher approval.

Second Semester; Opposite "Trigonometry"

TRIGONOMETRY NCAA**Credit 0.50 Level 2**

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

Prerequisite: Successful completion of Algebra 2 Honors and Trigonometry or a minimum 85% average in Algebra 2 and present teacher approval.

First Semester; Opposite "College Prep Math"

COLLEGE ALGEBRA NCAA**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 87% average in Algebra 2; Algebra 2 teacher approval.

INTRODUCTION TO CALCULUS NCAA**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.

INTRODUCTION TO CALCULUS HONORS NCAA**Credit 1.00 Level 3**

Precalculus 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. Precalculus combines topics from algebra and trigonometry. We will explore and study polynomial functions, rational functions, trigonometric functions, polar coordinates, complex numbers and exponential and logarithmic functions.

Prerequisites: Minimum 85% average in Honors Algebra 2 and Trigonometry or minimum 85% average in Trigonometry and present teacher approval or 95% average in Algebra 2 and concurrent enrollment in Trigonometry.

CALCULUS **NCAA****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 end 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 and is not required.

Prerequisite: Successful completion of Introduction to Calculus

AP CALCULUS (AB) **NCAA****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 includes work covered in the first semester and a half of college calculus.

Prerequisite: Minimum 85% average in Honors Introduction to Calculus and present teacher approval.

AP CALCULUS (BC) **NCAA****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.

Prerequisite: Minimum 93% average in Honors Introduction to Calculus and present teacher approval.

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.

BIOLOGY HONORS

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 *NCAA***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.

CHEMISTRY HONORS *NCAA***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% or above average in Honors Biology and Honors Mathematics course or 95% or above average in Biology and Mathematics course and current teacher approval.

CHEMISTRY IN THE COMMUNITY *NCAA***Credit 1.00 Level 1**

Chemistry in the Community is a yearlong course that focuses on the important role of chemistry in society and the environment. Students will understand the importance of chemistry in their lives, problem solving, and acquire awareness of the potential as well as the limitations of science and technology. This course includes major chemistry concepts and laboratory techniques expected in a standard introductory chemistry course.

Prerequisite: Biology, Algebra 1 Part 2 (may be taken concurrently), Biology teacher approval.

ENVIRONMENTAL SCIENCE *NCAA***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 management
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

ENVIRONMENTAL SCIENCE HONORS [NCAA](#)**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 [NCAA](#)**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 Chemistry Honors and Mathematics Honors course and teacher of course approval.*

PHYSICS HONORS [NCAA](#)**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 Chemistry Honors and Mathematics Honors course. The Mathematics courses required are Algebra 1 and 2 and Trigonometry (may be taken concurrently), approval of the teacher of the course is required.*

PHYSICS 2 HONORS [NCAA](#)**Credit 1.00 Level 3**

Physics 2 Honors 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 AND PHYSIOLOGY **NCAA**

Credit 1.00 Level 2

This course is a laboratory based biological science emphasizing the fundamental and principle concepts the Anatomy and 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.*

BIOCHEMISTRY/ ANATOMY & PHYSIOLOGY HONORS **NCAA**

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 and 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 90% in both Biology Honors and Chemistry Honors, and teacher of course approval.*

AP CHEMISTRY **NCAA**

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 Honors Chemistry course approval.

AP BIOLOGY **NCAA**

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 *NCAA*

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.

AMERICAN HISTORY HONORS *NCAA*

Credit 1.00 Level 3

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

AMERICAN GOVERNMENT/ECONOMICS *NCAA*

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.

AMERICAN GOVERNMENT/ECONOMICS HONORS *NCAA*

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 Social Studies honors or 95 in College Prep Social Studies. Teacher of the course approval.

WORLD GEOGRAPHY **NCAA****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. (Juniors/Seniors)*

WORLD HISTORY **NCAA****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.

WORLD HISTORY HONORS **NCAA****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 Social Studies Honors or 95 in College Prep Social Studies. 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 **NCAA****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 political, social and economic trends 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.

Prerequisites: *All students are required to have completed American History, American Government, and World History. All students are required to complete summer assignments and take the AP U.S. History exam in May. Teacher of course approval.*

AP US GOVERNMENT AND POLITICS**NCAA****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 **NCAA****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 **NCAA****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"*

MODERN AMERICAN HISTORY *NCAA***Credit 1.0 Level 2**

This year long survey course explores the political, social and economic trends from the 1980s through current events. With a chronological flow, a thematic approach will be employed throughout this course. The Conservative Movement, End of the Cold War, the 1990s and America's role in 21st century will be covered. **(Juniors & Seniors)**

HOLOCAUST/WORLD RELIGIONS *NCAA***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. **(Juniors & Seniors)**

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

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 attention to the Gospels, where they may grow to know and love Jesus Christ.

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 9 HONORS

Credit 1.00

Level 3

In addition to the requirements of Theology 9, this course involves independent reading. Students will also gain practice articulating their understanding through writing and presentations.

Prerequisite: The top 25% of incoming freshmen who have had some Catholic religious education will be placed in this course.

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.

THEOLOGY 10 HONORS

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.

THEOLOGY 11 HONORS

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 moving from one stage of life to the next.

Living as a Disciple of Jesus Christ in Society

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

"No one lives alone. No one sins alone. No one is saved alone," wrote Pope Benedict XVI, whose words resonate with today's teens, particularly because the prevalence of social media allows them to better see how their lives are interwoven with those around them.

Foundations of Catholic Social Teaching: Living as a Disciple of Christ builds on those connections by helping teens find their place in the community of the faithful as they advocate for charity and justice in the world. Organized around the seven principles of Catholic social teaching, *Foundations of Catholic Social Teaching* helps students gain a greater understanding of the roots of social teaching in the Church, its context in the Bible and the *Catechism* and real-life examples of charity and justice in action.

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.

THEOLOGY 12 HONORS

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.*

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.

ELL 1 & 2

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 1 *NCAA*

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.

FRENCH 2 *NCAA*

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

FRENCH 3 HONORS *NCAA*

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.

FRENCH 4 HONORS NCAA**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.

GERMAN 1 NCAA**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 2 NCAA**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

GERMAN 3 HONORS NCAA**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.

GERMAN 4 HONORS NCAA**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.

LATIN 1 NCAA**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.

LATIN 2 NCAA**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

LATIN 3 HONORS NCAA**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

SPANISH 1 NCAA**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 2 NCAA**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

SPANISH 2 HONORS NCAA**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.

SPANISH 3 NCAA**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.*

SPANISH 3 HONORS **NCAA**

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.*

AP SPANISH LANGUAGE **NCAA**

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.*