

Bishop Shanahan High School
People of God; People for Others

COURSE CATALOG

2025-2026

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Bishop Shanahan High School

Office of the Principal

People of God;
People for Others

Dear Parents, Guardians, and Students:

Bishop Shanahan High School is a community devoted to cultivating the God-given talent and potential of every single student. This catalog outlines our rigorous and innovative academic curriculum, which provides students with a well-rounded educational foundation and targeted pathways to success in a variety of fields. Our accomplished and dedicated faculty create dynamic learning environments driven by student-centered instruction, critical thinking, and collaborative problem-solving.

Your student is about to engage in the course selection process for the 2025-2026 academic year. I encourage students to reflect on their intellectual curiosities, interests, and academic goals as they begin to make decisions about which courses to take next year. The role of parent or guardian and primary educator in the course selection process is to guide your student on a path of study that will cultivate their talents and prepare them for success in post-secondary study, citizenship, and career. A good place to start would be to review with your student the information contained in this book regarding graduation requirements and the recommended sequence of courses.

May you and your student enter into this process prayerfully and seriously. I urge you to seek advice from current teachers, the Guidance Department, and the Office for Academic Affairs throughout the process.

Sincerely,



Dr. Robert Moran
Principal

Bishop Shanahan High School

Office of the Assistant Principal
for Academic Affairs

People of God;
People for Others

Dear Parents, Guardians, and Students,

Welcome to the course selection process. This process will require a partnership between students, families and Bishop Shanahan. I thank families for taking the time to review all information available and for guiding the students with advice and supervision throughout the course selection process. Our mutual goal is to set the students up for success, make data-based decisions, and encourage students to make course selection decisions that will best suit their learning style, and goals for the future.

For the 2025-2026 school year we are unveiling the following new courses:
ELA- AP Seminar
Science- Introduction to Environmental Science, Computer Aided Design (C.A.D), and Intro to Stem Principles

We are very excited to continue two innovative academic initiatives for the 2025-2026 school year: *The STEM Pathways Program* and *The Eagle Business Academy*. Both programs seek to deepen student engagement and enhance preparedness for college and career through student-centered instruction rooted in creative and collaborative problem-solving.

We are also excited to continue to offer an expanded repertoire of electives in the Business and Social Studies Departments. Of particular interest for rising juniors is the opportunity to take *American Studies* in place of their traditional ELA and US History classes. The course, which requires an application, will be a double period each day team-taught by an English teacher and a History teacher. It takes an interdisciplinary approach to studying the history and culture of the United States through the lens of Catholic social teaching on social justice.

Course selection will take place **on-line via PowerSchool**. For required courses, a student's level (College Prep/Honors/AP) is determined by current teachers' recommendation, 1st semester grade, standardized test scores, and GPA/class rank. All course selection questions should be sent to rostering@shanahan.org in order to streamline answers and improve response time.

To assist you with an understanding of our placement method, please refer to the explanation listed below.

AP Refers to courses that utilize the course of study developed by the Advanced Placement Program of the College Board. All students registered in an AP level course are required to take the AP exam. A separate fee set by the College Board must be paid for the examination. Upon acceptance, the student is committed to the class for the following year and **cannot drop the course after June 15**.

Honors Admission based upon past academic achievement in the subject area, teacher recommendation, and department chairperson approval. The office of Academic Affairs cannot recommend Honors without department Approval

CP Refers to college preparatory courses.

As we enter this partnership please know that all information can be found on the Bishop Shanahan Website. In addition to this course catalog there are resources for each of the grades to assist in the course selection process. Please reach out with any questions to the following email address: rostering@shanahan.org.

Sincerely,

Mrs. Katie Farry, Assistant Principal for Academic Affairs

COURSE SELECTION PROCESS

The selection of courses is a responsibility that requires time, patience and careful consideration. It is important that the course selection process be made with input from those qualified to assist with it, including parents, students, teachers, department heads, counselors and administrators. Some courses have prerequisites, some have additional fees, some require summer projects, and all require approval.

Read all descriptions carefully. Students are not permitted to take fewer than six credits in any academic year.

Consider the requirements for graduation:

- FOUR years of Theology and English
- THREE years of Mathematics, Science and Social Studies
- A choice of a FOURTH YEAR in Math, Science, Social Studies or World Language
- One year of Health, Physical Education,
- One Half year of a technology course and a half year of a related arts elective

College bound students should consult college catalogs because requirements differ. However, it is always recommended to have four years of Math, Science and least three years of continuous World Language to succeed in college.

During the course selection process, students are encouraged to discuss their options with their teachers, administration, guidance department and their parents. Students are encouraged to make a plan and discuss it before they react and make hasty decisions, electronic course selection on Power School will not be opened right away. When course selection on Power School is open, students and their families will be notified. Students will select their courses electronically via PowerSchool. Families are encouraged to attend the Course Selection Café evening which will take place prior to the opening of course selection. After courses are selected on PowerSchool, parents are asked to review the student's choices. A parent/guardian signature is required to verify the agreement of the course preferences.

In the unfortunate event that a student decides not to select any courses or the courses chosen do not fit in the roster, those courses will be selected by the Assistant Principal for Academic Affairs. SCHEDULING CONFLICTS Should a student choose a course for which he/she is underqualified or overqualified, the school administration reserves the right to adjust the roster. The administration also reserves the right to cancel any course or to merge a two-level offering into one, if insufficient numbers of students enroll for a course or if qualified personnel are not available for the next school year.

Every reasonable effort will be made to discuss such adjustments with all concerned before finalizing the roster, however, if such efforts prove fruitless, the decision will be made at the discretion of the Assistant Principal for Academic Affairs. During the scheduling process, it may be possible that scheduling conflicts arise. To solve these potential conflicts, students are required to choose alternative classes. Provide the Office of Academic Affairs with clear alternatives in the event of a conflict. The final decision will be made at the discretion of the Assistant Principal for Academic Affairs.

There will be an opportunity for roster change requests to be submitted prior to the first day of school. The fee for a roster change request is $30.

All course selections are final and there will not be any roster changes after Friday, September 12, 2025.

REINFORCEMENT OF CURRICULUM

Bishop Shanahan High School aims to develop the whole person by offering a program of studies based on sound educational and Catholic principles. These goals have become part of each Department's operation to inculcate in our students the following:

A. The Essentials Skills of

1. Critical Reading
2. Clear Writing
3. Oral Communication
4. Problem Solving
5. Critical Thinking

B. A Working Knowledge of

1. Civics
2. Current Events (Domestic and Global)
3. Consumerism
4. Health and Hygiene

C. The Moral and Aesthetic Values of

1. Religion and Ethics
2. Fine Arts
3. Self-esteem

D. The Availability of Enrichment through

1. School Related Activities/Athletics
2. Outside Programs

DEPARTMENT CHAIRPERSONS

BUSINESS & TECHNOLOGY	Mr. Robert Seefeldt
ENGLISH	Ms. Stephanie Belefonte
FINE ARTS	Mr. Charles Keating
GUIDANCE	Mrs. Beth Saggers
MATHEMATICS	Mrs. Janet Moore
PHYS. ED & HEALTH	Mrs. Mary Kay Duncan
THEOLOGY	Mr. Joseph Aquilante
SCIENCE	Mrs. Lisa Rossana
SOCIAL STUDIES	Mrs. Stacey Ivkovich
WORLD LANGUAGE	Mrs. Kathryn Smink

THEOLOGY DEPARTMENT

The objectives of Bishop Shanahan's Theology Department are:

- To develop an understanding of the teachings of the Catholic Church concerning the Holy Trinity, the role of Jesus Christ, the Church, grace and human nature, in the light of the Gospel of Christ, and to enable a student to accept the grace to make an intelligent act of faith.
- To foster a personal experience of God on the part of each student by means of the Mass, the Sacraments, prayer, days of recollection and retreat and community service, so as to accept the grace to deepen a commitment to God and neighbor.
- To develop a Catholic Christian community which provides the proper atmosphere for a person to grow into Catholic Christian maturity.
- To provide the environment for a person to accept the grace to establish a vision of morality, of both a personal and social dimension, based on the Gospel teaching and values.

1111, 1121 THEOLOGY I, First Semester
Grade: 9
Credits: 1
Level: Honors & CP
The Revelation of Jesus Christ in Scripture
This course helps students understand the Sacred Scriptures. The Bible is the word of God where they encounter the living Word of God, Jesus Christ. Students learn about the Bible, its development and content, and how God is its author. Students focus on the Gospels, where they grow to know and love Jesus more personally.

1111, 1121 THEOLOGY I, Second Semester
Grade: 9
Credits: 1
Level: Honors & CP
Who is Jesus Christ?
This course helps students understand the person and message of Jesus Christ. He is the living Word of God, the Second Person of the Blessed Trinity. He is the ultimate Revelation about God, from God. Students penetrate the mystery of the person of Jesus and who he calls them to be.

1211, 1221 THEOLOGY II, First Semester
Grade: 10
Credits: 1
Level: Honors & CP
The Mission of Jesus Christ (The Paschal Mystery)
This course helps students understand all that God has done for humanity through his Son, Jesus Christ. God has planned, from all eternity, for human beings to share everlasting happiness with him. This is accomplished only through redemption in Christ. Students inquire about the meaning of being a disciple of Christ.

1211, 1221 THEOLOGY II, Second Semester
Grade: 10
Credits: 1
Level: Honors & CP
Jesus Christ's Mission Continues in the Church
This course helps students understand that they encounter the living Jesus Christ in and through the Church. The Church was founded by Christ through the Apostles. It is sustained by him through the Holy Spirit. The Church is the living Body of Christ. Students will explore the Church as a mystery which has both human and divine elements.

1311, 1321 THEOLOGY III, First Semester
Grade: 11
Credits: 1
Level: Honors & CP
Sacraments as Privileged Encounters with Jesus Christ
This course helps students understand that they can meet Christ today in and through the sacraments. Each sacrament, particularly the Eucharist, is a means to a full and real encounter with Christ. Students examine each sacrament in detail so as to learn how they may encounter Christ throughout life.

1311, 1321 THEOLOGY III, Second Semester
Grade: 11
Credits: 1
Level: Honors & CP
Life in Jesus Christ
This course helps students understand the moral life. Only in Christ can human beings discover the fullness of life. Disciples of Christ are guided by moral concepts and precepts of Christ and his Church. Students probe these moral teachings and reflect upon their implications.

1361 THEOLOGY III. First and Second Semester (ELECTIVE)
Grade: 11
Credits: 1
Level: Honors
Faith in Action - Peer Ministry I
This Peer Ministry course is for students who want to do more for Christ, who want to sustain their prayer and sacramental lives, and who want to become the Christ-like leaders our society needs. They will learn the moral concepts and precepts that govern discipleship while investigating and engaging in practical ministry experiences at school and in the larger church. Specifically, students in this course will be responsible for planning and executing retreats for the school and wider community, prayer services, Masses, service initiatives, and other special events throughout the school year. There will be an application process for this course that will require the approval of the Department Chair. This course will run based on enrollment.

1411, 1421 THEOLOGY IV, Living as a Disciple of Jesus Christ
Grade: 12
Credits: .5
Level: Honors & CP
This course is organized around the seven principles of Catholic social teaching. Students will gain an understanding of the roots of social teaching in the Church, its context in the Bible and Catechism, and help teens find their place in the community of the faithful as they advocate for charity and justice in the world. (one semester)

1411, 1421 THEOLOGY IV, Responding to the Call of Jesus Christ
Grade: 12
Credits: .5
Level: Honors & CP
The purpose of this course is to help students understand the vocations of life: how Christ calls us to live. Married life, single life, priestly life and consecrated life are explored. Students reflect upon what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community. (one semester)

1471 THEOLOGY IV, First and Second Semester (ELECTIVE)
Grade: 12
Credit: 1
Level: Honors
Faith In Action - Peer Ministry II
This Peer Ministry course will help students come to an understanding of the Roman Catholic Church's teachings on social justice and vocations. In addition, students will learn the Christian theology and spirituality of retreats. Students will learn the basic leadership skills in planning, organizing, and facilitating retreats to students of various grade levels at BSHS and beyond. Students will use these skills to lead student facilitated and organized retreats to their peers. Throughout the year, students will put to practice their instruction of Catholic Social Teaching by implementing campus-wide and community social justice education and charity drives. Students will be expected to assume active ministerial roles to their peers and leadership roles on campus. **There will be an application process for this course, with preference given to those students who have successfully completed Peer Ministry I and with approval of the Department Chair.**

BUSINESS, COMPUTERS, & INFORMATIONAL TECHNOLOGY DEPARTMENT

The objectives of the BCIT Department are:
- To use Christian truths and values as a compass to develop into ethical individuals who will know their worth and respect their fellow citizens.
- To acquire and develop necessary skills and qualifications essential to becoming a productive member of the business, technology and academic communities.
- To present students with instruction that will prepare them for entry-level business and technology occupations and to encourage and prepare them to continue their education.

Business Program

7711 BUSINESS ACADEMY INTODUCTION TO BUSINESS, First Semester
Grades: 10 Business Academy Participants Only
Credits: 1
Level: Honors
Prerequisite: Department Approval
The Introduction to Business section of this course introduces students to the world of business and prepares them for the economic roles of consumer, worker, and citizen. Students will gain valuable information and skills that will help prepare them for their future careers. The course is meant to offer a broad overview of topics including Marketing, Economics, Entrepreneurship and Human resources. By the end of the course students will know what is required to make sound business decisions, give a business presentation and will investigate what types of careers are available to students who major in business. All Business Academy students must participate in DECA, attend speaker series events and are highly recommended to participate in the "Pennsylvania Free Enterprise Week" the summer after Sophomore year.

7851 UDel Dual Enrollment: Entrepreneurship, First Semester
Grade: 12
Credit 1
Level: Honors Dual Enrollment
Prerequisite: Department Approval
Requirement for Business Academy Certificate

The "EntreX Lab Delaware" program utilizes curriculum developed for ENTR101: Entrepreneurship Experience, a 3-credit University of Delaware course, which is described in the undergraduate course catalog as follows:
The course utilizes best practices for entrepreneurship education, which include learning by doing, reflecting on experiences and emphasizing an evidence-based entrepreneurship process, to provide students with a strong foundation of entrepreneurship-related knowledge, skills and experiences. The relevance and value of an entrepreneurial mindset and skillset in all organizational contexts, including startups, established companies and social ventures, is also Emphasized. **Price - $500 per student paid directly to University of Delaware for Dual Enrollment**

7681 MARKETING ESSENTIALS, Second Semester
Grades: 11,12
Credits: .5 (One-semester Course)
Level: Honors
This semester course is designed to give students interested in a career in marketing, management, design, and sales a preview of university level business courses. In conjunction with the University of Pennsylvania's KWHS, Knowledge at Wharton High School Program, this course provides a basic introduction to the scope and importance of marketing in the global economy. Applying the use of social media to other areas of business, such as customer service and public relations. Emphasis will be placed on oral and written communications, problem solving, and critical thinking skills as they relate to selling, promotion, pricing, purchasing, marketing information management, product/service planning, distribution, financing, business ethics, social responsibility, and risk management. Student progress will be measured through a series of both formative and summative assessments, and a semester long project, in which students will develop a full Marketing proposal and creative visual campaign for an original product, concept, or service. Students enrolled in these courses are encouraged to participate in DECA, where students are challenged and taught to develop key leadership skills, goal setting, collaboration tactics and given project management experience.

7341 SOCIAL MEDIA/DIGITAL ADVERTISING First Semester and Second Semester
Grades: 11, 12
Credits: .5 (One-semester Course)
Level: Honors
This semester course will provide students the opportunity to study the history and influence of social media while developing integrated marketing communications plans and social media strategies. Social platforms will be explored and skills developed to influence perception and engagement while simulated social media campaigns will be launched and key metrics and analytics will be used to measure success. Students will develop skills related to communication, research, analysis, synthesis and project management while preparing students for social media marketing roles in the workplace. Students create and develop a cumulative social marketing plan portfolio. Students will understand different digital advertising techniques, payment methods for advertising, ways to get advertisements seen online, and different ways that ads are targeted towards users. As well as investigate how social media is used for promotion, engagement of customers, customer service, branding building, item research, and sales.

7791 INTRODUCTION TO BUSINESS, First Semester
Grades: 11,12
Credits: .5 (One-semester Course)
Level: CP
This semester-long Introduction to Business course introduces students to the world of business and prepares them for the economic roles of consumer, worker, and citizen. Course activities involve students in writing, investigating, problem-solving, demonstrating, and reporting. Students will gain valuable information and skills that will help prepare them for their future careers.

7841 INTRODUCTION TO FINANCE (available odd graduation years)
Grades: 11,12
Credits: .5 (One-semester Course)
Level: CP
This semester-long Finance course focuses on both the business and personal use of financial information. Students will learn how corporations use financial techniques to measure their progress and how society values these corporations and other financial instruments. Students will also gain an understanding of everyday financial decisions such as setting a personal budget, investing, the use of credit, and the impact of taxes.

7741 HOSPITALITY AND TOURISM, Second Semester
Grades: 11,12
Credits: .5 (One-semester Course)
Level: CP
This Hospitality and Tourism course provides an overview of the principles, concepts and systems utilized in the hospitality and tourism industry, including topics such as travel, leisure, foods, and lodging industries. The course will help prepare students for employment and further study in hospitality and other service related industries.

7361 SPORTS MANAGEMENT, First Semester
Grades: 11, 12
Credits: .5 (One-semester Course)
Level: CP
In conjunction with the University of Pennsylvania's Knowledge at Wharton High School Program, this course examines various business disciplines as they apply to the sports industry, from high school to professional with an overview of the business and legal aspects of various intercollegiate, Olympic and professional sports enterprises. Students ultimately gain insight into the leadership, management, and increasingly global nature of the sports business. The course will help prepare students for college level business programs and introduce them to the many professions in the Sports Industry.

7431 THE BUSINESS OF ESPORTS, Second Semester
Grades: 11, 12
Credit - .5
Level: Honors
Prerequisites - department approval through application
The Business of Esports course is designed to introduce students to esports through the BCIT department. Throughout the course, students will produce digital and technology artifacts to lead to the hosting of an esports event at the end of the semester. Esports requires teamwork, communication, critical and strategic thinking, creativity, sportsmanship, and leadership — much like traditional sports. These students will be using resources through the stem fuse curriculum and will be studying the science behind esports, the technology and how to market events.

7441 BROADCAST JOURNALISM AND VIDEO PRODUCTION
Grades: 10, 11, 12
Credit: 1
Level: Honors
Prerequisite: Students must have a 90 or higher in their Honors ELA course or a 95 or higher in their CP ELA course from the previous year to take the course.
This course introduces the concepts of journalism, reporting, and the functions of the news in our society. Students will learn the fundamentals of non-narrative video production and editing, how to conduct an interview and report on newsworthy information, and the operations of a live TV broadcast. The broadcast journalism class is ideal for students interested in video production but has never had the opportunity to work with proper equipment and software. Students interested in this course should be prepared for consistent group work that may frequently need to be completed outside of course time.

2521 SPEAK TO LEAD (PUBLIC SPEAKING), Semester Course offered both First and Second Semester
Grades: 11, 12
Credits: .5
Level: Honors
Course Description: This course will focus on developing all aspects of rhetoric and oratory so that students become engaging, persuasive, and competent public speakers. Students will delve into different types of public speaking such as persuasive and informative speaking, business presentations, and radio and TV announcing. Students will practice making a variety of formal and informal speeches both individually and with a team, using multimedia resources. Basic workplace etiquette will also be discussed and addressed at various stages throughout the course. This course will increase students' comfort level when speaking in front of a group and improve daily communication and interactive skills (skills they will need the rest of their academic and professional careers) which employers currently rate as the most desired job skill.

HONORS ENTREPRENEURSHIP, First Semester
Grades: 11, 12
Credits: .5
Level: Honors
The Bishop Shanahan Entrepreneurship class will lead students through the process of starting and running a business. The course will highlight the ideation process, funding alternatives, legal requirements, market development, and financial analysis.

ENTREPRENEURSHIP, First Semester
Grades: 11, 12
Credits: .5
Level: CP
The Bishop Shanahan Entrepreneurship class will lead students through the process of starting and running a business. The course will highlight the ideation process, funding alternatives, legal requirements, market development, and financial analysis.

Technology

7121 INFORMATION TECHNOLOGIES I (Tech Comm I)
Grade: 9
Credits: .5 (One-semester Course)
Level: CP
Note: Required
This one semester course focuses on the 21st century technology skills that students will need to succeed in today's increasingly technological world. The students will use the Google Education Suite to collaborate and create digital files such as documents, spreadsheets, forms and presentations. Additionally, the students will be introduced to basic programming concepts, logic and critical thinking skills. Various topics related to ethics, copyright and online communication will be discussed.

**** Please note that students who complete a full year of a fine arts class will be exempt from taking the Info Tech class. ****

7611 HONORS COMPUTER PROGRAMMING
Grades: 11, 12
Credits: 1
Level: Honors
This course is an introduction to Java, an object-oriented, high level, programming language. Students will be introduced to basic programming concepts such as methods, conditionals, arrays, loops, classes and objects. Students will improve their logical, critical thinking and problem-solving skills. Emphasis is placed on Java fundamentals, language syntax, program design and structure, and algorithmic solutions of mathematical problems.

AVLI Technology Courses
Please note there is an additional fee for AVLI classes. For details see the AVLI section under Special Programs.

7951 AVLI AP COMPUTER SCIENCE A
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
PREREQUISITES: Students should have successfully completed one course in a programming language such as C, C++, Visual Basic .Net, or Java. Moreover, students should know how to edit, compile, and run a program. This course is a college level introduction to object-oriented programming in Java. Students will focus on a problem-solving approach designed to focus attention on programming algorithms and data structures. Students will be fluent in the syntax and logic structures of the Java programming language as well as familiar with the Java API. Students will attempt difficult programming challenges, reflect on these exercises, and share their discoveries with their peers. In the Spring, students will be eligible to take the AP Computer Science A Exam offered by the College Board at their school. This class will take up a lot of time, so it is recommended have room in their schedule for it.

7561 AVLI MULTIMEDIA AUTHORSHIP—THE POWER OF WORDS AND IMAGES
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
This course aims primarily to develop communication skills through student expression of his or her ideas using multimedia technology. Students will study models of multimedia composition used by professional and student writers and then create their own multimedia content, pushing the students to a mastery of the concepts and technical skills the composition requires. In order to fully participate in the class, the student must have a computer (Mac or Windows) on which he or she can install new programs. They will also need access to a digital camera. The semester will culminate with each student producing an original, substantive multimedia project on a topic of the student's choice.

7661 AVLI UNDERSTANDING ARTIFICIAL INTELLIGENCE: THE SCIENCE AND MORALITY (1st Semester)
AVAILABILE TO: Juniors, and Seniors
CREDITS: .5 **LEVEL:** Honors
In this course, students will explore the emerging fields of machine learning and artificial intelligence. Artificial intelligence systems are all around us, from predictive text in our emails to customer service chatbots, to the curation of the media that we consume. Understanding how AI works will help students understand its promise and its limitations. Students will learn how AI systems 'think', how to train an AI, and through hands on labs explore the various applications of AI in our world today. Students will also spend time discussing the morality of AI systems and take a critical look at the way that these systems are shaping our world. Previous Computer Science experience is helpful but not required. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place one evening per week that students are expected to attend. Meeting times to be determined at the beginning of the term. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place one evening per week that is optional for students to attend. Meeting times to be determined at the beginning of the term

7981 AVLI COMPUTER SCIENCE PRINCIPLES (1st Semester)
AVAILABILE TO: Sophomores, Juniors, and Seniors
CREDITS: .5 **LEVEL:** Honors
This course will introduce students to a wide array of important computer science topics. Students will learn the ideas and practices of computational thinking as well as how computers are impacting the world around us. Topics that will be covered include basic computer vocabulary, bits and bytes, programming, abstraction, internet and networking. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much-needed life skill. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place during one evening or weekend slot per week that students are expected to attend. Meeting times to be determined at the beginning of the term.

7861 AVLI COMPUTER GAME DEVELOPMENT (2nd Semester)
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
This course explores the process of game development, the principles of game design, styles/genres of computer games, techniques for game software engineering, and information about the computer game industry. Emphasis will be on pragmatic advice for game designers, together with techniques for game balance and analysis. Students will design and playtest a game as a course project. Group work is emphasized, especially the importance of collaboration between technical and artistic efforts. Students are expected to participate in game development using appropriate game development tools.

7971 AVLI C++ PROGRAMMING (2nd Semester)
AVAILABILE TO: Juniors, and Seniors
CREDITS: .5 **LEVEL:** Honors
This course will introduce students to computer programming using the C++ programming language. C++ is a programming language used in many applications, across many different industries. Through this course, students will learn the basic syntax necessary to write a computer program and how to attack a problem using the proper planning techniques. Students will learn about control structures, loops, procedures, arrays and much more. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much-needed life skill. There is a synchronous meeting that will take place during one evening or weekend slot per week that students are expected to attend. Meeting times to be determined at the beginning of the term.

ENGLISH DEPARTMENT

The English Department of Bishop Shanahan in accordance with the Common Core Standards will provide students with skills and knowledge to become critical readers and writers through the analysis of key ideas and details, the examination of craft and structure and the integration of knowledge and ideas in literary and informational texts. In addition, a focus on PSAT and SAT Prep are also integrated within the curriculum. Furthermore, a universal writing program is incorporated which scaffolds the skills over the course of a student's four years.

2111/2121 ENGLISH LANGUAGE ARTS I: Honors, CP
Critical Reading, Writing, and Speaking supported through Genre Studies
Grade 9
English Language Arts I is a required course for all ninth grade students. Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Using the full writing process, students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various literary Genre studies. To be considered for Honors you must have an average of a 97 or higher in your CP class, at the end of the first semester. To remain in Honors, you must have an 85 average at the end of the semester. You can be reevaluated at the end of the year.

2211/2221 ENGLISH LANGUAGE ARTS II: Honors, CP
Critical Reading, Writing, and Speaking supported through Genre II Studies
Grade 10
English Language Arts II is a required course for all tenth-grade students. Reinforcing and expanding the writing objectives of the freshman year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in Genre II studies. To be considered for Honors you must have an average of a 97 or higher in your CP class, at the end of the first semester. To remain in Honors, you must have an 85 average at the end of the semester. You can be reevaluated at the end of the year.

2251 AP Seminar
Grade: 10
Credits: 1
Level: AP
Prerequisite: Department Approval
This AP Course fulfills the requirement for ELA 10.
AP Seminar is an interdisciplinary course that encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. Ever thought about how social media impacts teen mental health? Do you think rules around college sports should be changed? In AP Seminar, you choose what real-world or academic topics to investigate. AP Seminar teaches you how to find and use evidence from experts, and how to present the case from your own perspective effectively, both through writing and multimedia presentations.

2311/2321 ENGLISH LANGUAGE ARTS III: Honors, CP
Critical Reading, Writing, and Speaking supported through American Studies
Grade 11
English Language Arts III is a required course for all eleventh-grade students. This course will develop the student's writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in American studies. To be considered for Honors you must have an average of a 97 or higher in your CP class, at the end of the first semester. To remain in Honors, you must have an 85 average at the end of the semester. You can be reevaluated at the end of the year.

2331 AMERICAN STUDIES
Grade: 11
Credit: 1
Level: Honors and CP
This two-credit course fulfills the grade 11 ELA and social studies requirements. Students must complete an application and be accepted.
This course takes an interdisciplinary approach to studying the history and culture of the United States through the lens of social justice while developing students' writing skills by examining text types and purposes, and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in American studies. By employing a topical approach, this course will examine the challenges, changes and enduring issues that have marked the development of the United States, beginning with the crisis preceding the Civil War and running through the 21st century. To be considered for Honors you must have an average of a 97 or higher in your CP class, at the end of the first semester. To remain in Honors, you must have an 85 average at the end of the semester. You can be reevaluated at the end of the year.

2351 ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

Grade: 11

Credits: 1

Prerequisites: 92 Average in Honors ELA II, PSAT scores of 600 in Critical Reading and Writing, signed application with essay due on an assigned day in March and Teacher Recommendations. AP Students who are accepted into the 11th grade course usually continue into the 12th grade AP course.

Advanced Placement English is designed for students who wish to earn college credits in English while still in secondary school. This Advanced Placement course is offered to students recommended and approved by their tenth grade teachers. The course is designed for students who are interested in studying and writing using various rhetorical strategies and devices in preparation for effective literature and writing courses in college. Extensive reading, discussions and analysis of non-fiction writers are important components of this course. Additionally, preparation for the Advanced Placement exam will be provided throughout the course. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15. All students in AP English Language and Composition must successfully complete the AP exam for consideration to remain in the AP Program.**

2411/2421 ENGLISH LANGUAGE ARTS IV: Honors, CP

Critical Reading, Writing, and Speaking supported through British Literature and Contemporary Studies

Grade 12

English Language Arts IV is a required course for all twelfth-grade students. This course will develop the student's writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various selections in British Literature and Contemporary studies. To be considered for Honors you must have an average of a 97 or higher in your CP class, at the end of the first semester. To remain in Honors, you must have an 85 average at the end of the semester. You can be reevaluated at the end of the year.

2451 ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

Grade: 12

Credits: 1

Prerequisites: 92 Average in Honors ELA III, PSAT scores of 600 in Critical Reading and Writing, signed application with essay due on an assigned day in March and Teacher Recommendations. Most students enrolled have previously completed AP English in 11th grade.

Advanced Placement English Literature is designed for students who wish to earn college credits in English while still in secondary school. Students are involved in both the study and practice of writing and the study of literature. Writing assignments focus on the critical analysis of literature and include essays in exposition and persuasion. With the desired goal of honest, effective use of language and the organization of ideas in a clear, coherent, and persuasive way, students study and write in response to several representative works from various genres and periods. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

2521 SPEAK TO LEAD (PUBLIC SPEAKING)
Grades: 11, 12
Credits: .5
Level: Honors
Course Description: This course will focus on developing all aspects of rhetoric and oratory so that students become engaging, persuasive, and competent public speakers. Students will delve into different types of public speaking such as persuasive and informative speaking, business presentations, and radio and TV announcing. Students will practice making a variety of formal and informal speeches both individually and with a team, using multimedia resources. Basic workplace etiquette will also be discussed and addressed at various stages throughout the course. This course will increase students' comfort level when speaking in front of a group and improve daily communication and interactive skills (skills they will need the rest of their academic and professional careers) which employers currently rate as the most desired job skill.

FINE ARTS DEPARTMENT

VISUAL ARTS PROGRAM

The purpose of the Art Program is to create through curriculum an atmosphere that will encourage the student to become more creative. To achieve this goal, we strive:

- To provide activities which foster the acquisition of skills while engaging in a wide range of emotional, intellectual, sensory, and aesthetic experiences
- To develop the existing perceptual skills which might provide a broader sense of reality
- To provide visual and manipulative experiences for a deeper understanding of self and of others
- To reveal art as a worthy activity for a life's work as well as provide credible opportunities to serve and to enrich the lives of others in the community.

8721 RELATED ARTS
Grade: 9
Credits: .5 (One-Semester Course)
Note: Required Course
This basic course is designed to develop a positive attitude toward the fine arts - arenas of self-expression. Students are taught to observe, listen, think critically, and form valid opinions. Lectures, films, recordings, and the textbook are the tools used to foster an appreciation for music art, drama, and dance.

8621 INTRODUCTION TO STUDIO ART
Grade: 9
Credits: .5 (One-Semester Course)
Level: CP
Prerequisite: Art Department Approval
Note: This course fulfills the Fine Arts Credit
This course is designed for talented art students who are considering a career in Art. The students will work with a variety of media emphasizing the elements of art. Class size is limited. Admission is granted upon evaluation.

8511 HONORS DRAWING
Grades: 10, 11, 12
Credits: 1
Level: Honors
This course emphasizes the development of drawing skills in a variety of media including pencil, charcoal, pen and ink, chalk, and conte crayon.

8311 HONORS 2D DESIGN
Grades: 10, 11, 12
Credits: 1
Level: Honors
Prerequisite: Introduction to Studio Art or Visual Fundamentals
This course explores the principals of design and begins to introduce conceptual considerations as well as continuing technical proficiency. The students develop technique through practical applications, lectures, demonstrations, and group critiques. Media used will include acrylics, charcoal, pen and ink, watercolor, tempera and gouache.

8411 HONORS PORTFOLIO PREPARATION
Grade: 11
Credits: 1
Level: Honors
Prerequisite: Basic Design, Drawing, or 2D Design
This course offering is designed for students displaying a high degree of talent. The course focuses upon the process by which an idea is transformed into a concrete visual image. Projects will be directed toward fulfilling the portfolio requirements for admission to a post-secondary Art School.

8521 HONORS 3D DESIGN
Grade: 10, 11, 12
Credits: 1
Level: Honors
This course focuses on 3D design including in depth work in the ceramic techniques of hand building and wheel throwing as well as other sculpture processes.

8451; 8351; 8551 ADVANCED PLACEMENT STUDIO ART: AP 2D DESIGN, AP 3D DESIGN; AP DRAWING
Grade: 12
Credits: 1
Prerequisite: Honors Portfolio, 2D Design, Drawing or 3D Design and Department Approval

8551 AP DRAWING: Students will address a very broad interpretation of drawing issues and media.
8451 AP 2D DESIGN: Students will address two-dimensional design issues. This involves purposeful decision making about how to use the elements and principles of art in an integrative way.
8351 AP 3D DESIGN: Students will demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface as they relate to sculptural issues.

These AP Course electives are for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. It is highly recommended that students have previous training in art. Summer assignments are required. The course content follows the syllabus as dictated by the College Board. All students taking AP Studio Art are required to submit a portfolio to the College Board AP scoring program and to pay the required fee. **All students rostered for AP classes are required to pay for and take the AP exam. AP classes may not be dropped after June 15**

THE MUSIC PROGRAM / PERFORMING ARTS

The study of music is an integral part of the student's program of learning. It is an area of curriculum concerned with subjective responses, positive growth and is dependent on structured experiences. The music department affords each student the opportunity to develop intellectually and aesthetically. Students are given careful attention so as to discover, develop, and nurture their God-given talents. The department accepts the responsibility to provide comprehensive experience that will foster good self-esteem, good citizens and caring children of God.

8811 HONORS MUSIC COMPOSITION & EAR TRAINING I

Grades: 10,11, 12
Credits: 1
Level: Honors
Prerequisite: Department Approval

Fundamentals of music theory, including notation, vocabulary, intervals, triads, time signatures and major and minor keys are the focus of instruction. Skills developed include sight-singing, ear-training, transposition and part writing. Stress is placed on individual needs and differences. The final is an original composition that is all inclusive of the course content.

8911 HONORS MUSIC COMPOSITION & EAR TRAINING II

Grade: 12
Credits: 1
Level: Honors
Prerequisites: Music Comp I & Department Approval

This rigorous level course of study is intended for those students with exceptional musical skills and self-discipline. Instruction in harmonization, arranging, composition and transposition is designed for those students who wish to pursue a career in music.

8962 CONCERT BAND

Grades: 9, 10, 11, 12
Credits: 1
Level: Honors

Concert Band is required as a laboratory period for all students in Instrumental Music. The curriculum includes attendance at all rehearsals and participation in all public performances (assemblies, concerts, festivals, football games, and school functions). Students will rehearse during 8th period. The student must attend Tuesday and Thursday rehearsals after school. (Honors Credit is received for 8th period band class only)

For band members in grades 11 or 12, band will replace an elective. For students in grade 10, choir and/or band will take the place of Health/PE. These students will be required to take Health/PE during grade 11. For students in grade 9, choir and/or band will take the place of the Related Arts/Information Technologies 1, one semester courses. This course will fulfill the related arts requirement, but these students will be required to take a full year computer course in grade 11 to fulfill the technology instruction graduation requirement.

8941 STRING ENSEMBLE
Grades: 9, 10, 11, 12
Credits: 1
Level: Honors
Prerequisite: Department Approval
String Ensemble is for string instrumentalists. This course is designed to improve their skills as ensemble performers. The string ensemble is open to all levels of string instrument proficiency, including beginners, in addition to the standard orchestral string instruments. Students must perform in the Christmas and Spring Concerts, and other periodic performances.

8711 PERFORMING ARTS
Grades: 9,10, 11, 12
Level: Honors
Prerequisite: Department Approval
Credits: 1
This course is designed to enhance a student's performing ability both individually and as a member of an ensemble, as well as help the individual's growth in both confidence and self-awareness in presenting/performing. Students in this class will learn basic acting, and singing through individual and group instruction. Students will gain personal experience through improvisation, monologues, 38 scenes, choral work, and playwriting. Participation is required in either the Fall Musical or the Spring Play.

8971 HONORS CHOIR
Grades: 9, 10, 11, 12
Level: Honors
Credits: 1
Choir: Chorus is required as a laboratory period for all students in the choir. The curriculum includes attendance at all rehearsals and participation in all public performances (assemblies, concerts, festivals, and school functions). Students will rehearse during 8th period and must attend Monday and Wednesday rehearsals from 3-4 pm. (Mixed Chorus honors credit is received for 8th period choir class only).
For choir members in grades 11 or 12, choir will be an elective. For students in grade 10, choir will take the place of Health/PE. These students will be required to take Health/PE in grades 11 or 12. For students in grade 9, choir will take the place of the Related Arts/Information Technologies 1, one semester course. This course will fulfill the Related Arts requirement, but these students must take a full year computer course in grade 11 or 12 to fulfill the technology instruction requirement.

Credit Only After School Programs that do not calculate into GPA

8961 CONCERT BAND – STAGE BAND
Grades: 9, 10, 11, 12
Credits: .5 per semester
Prerequisite: Department Approval
Concert Band is required as a laboratory period for all students in Instrumental Music. The curriculum includes attendance at all rehearsals and participation in all public performances (assemblies, concerts, festivals, and school functions). Students meet on Tuesdays and Thursdays after school. (60 minutes per session)

The Stage Band is an ensemble of students, which specializes, in jazz and rock styles. The Stage Band rehearses twice a week after Concert Band. (60 minutes per session)

8992 MIXED CHORUS
Grades: 9, 10, 11, 12
Credits: .5 per semester
Prerequisite: Department Approval
Mixed Chorus is an elective offered to develop a worthwhile musical experience. No previous experience is required. It is meant to provide all students, regardless of talent, the opportunity to sing in a musical ensemble using four-part harmony, and is designed to care for, preserve, and develop adolescent/adult voices. The study and performance of choral literature are designed to nurture musical growth. Participation in all performances is required. Rehearsals are held every Monday and Wednesday after school. (60 minutes per session) Students are required to participate in all scheduled performances

**** Please note that students who complete a full year of a fine arts class will be exempt from taking the Info Tech class. ****

WORLD LANGUAGE DEPARTMENT

The World Language Department offers Mandarin Chinese, French, Italian, and Spanish. In the global environment, a second language is an invaluable asset. The person who speaks and understands more than one language can utilize that skill in various fields such as banking, education, medicine, research, travel, marketing, etc. The study of another language also enhances the ability to understand one's primary language. The World Language Department focuses specifically on communicating in languages other than English, gaining knowledge and understanding of other cultures, and developing insight into the nature of language and culture. All courses have been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). Educators utilize ACTFL's *World-Readiness Standards for Learning Languages* and *Proficiency Guidelines.*

In all language courses, Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various regions, and take frequent assessments where their language progression can be monitored.

MANDARIN CHINESE PROGRAM

4991 MANDARIN CHINESE 1
Grade: 9, 10, 11
Credits: 1
Level: Honors, CP
Beginning students learn Chinese pronunciation through the Pinyin phonetic transcription system which is the official Romanization of Mainland China. Mandarin Chinese I strives to emphasize pronunciation. Students will spend ample time learning this foundation phase of Chinese. This series uses the Princeton Method of Pinyin originally developed at Princeton University. Beginning students will study the history/geography of China; the structure of Chinese syllables, the four basic tones, the evolution of Chinese characters and the most common radicals in the foundation work of the study of Mandarin. Students will learn stroke order for writing characters and will begin to develop and practice listening skills. Students will begin learning pictographs and ideographs and their combinations. After the foundation work students will continue developing their vocabulary, language patterns, cultural understanding, and communication skills involving home, school and community concepts.

4981 MANDARIN CHINESE 2

Grade: 10, 11, 12
Credits: 1
Level: Honors
Students continue their study of Mandarin Chinese by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension.

4971 MANDARIN CHINESE 3
Grade: 11, 12
Credits: 1
Level: Honors
Mandarin 3 is a continuation of the Mandarin 2 course for students from Grades 10-12. Students, who have successfully completed Mandarin 2, or the equivalent, may be admitted. Emphasis is placed on strengthening students ability of listening and speaking through Chinese phonetic system (pinyin) as well as develop the ability of reading and writing Chinese characters. Students will be tasked to handle successfully the most uncomplicated communicative tasks in real-life situations. In addition to these skills, students will explore various aspects of Chinese culture, lifestyles, and social-cultural conventions

4961 MANDARIN CHINESE 4
Grades: 11, 12
Credits: 1
Level: Honors
Mandarin Chinese IV focuses on basic Chinese knowledge and skills that are applicable to commercial, economic, and business activities. Students will develop communicative ability appropriate to the Chinese environment so that they are able to understand the essentials of Chinese economic circumstances and rules for business performance; including trade, investment, cooperation and management of enterprises. They will also attain competence for cross-cultural communication in the context of economic and cooperative interchange-a wide range of knowledge of business customs and rules in addition to the background information of Chinese culture. By completing this course students will have learned Chinese phonetics, advanced Chinese grammar, over 100 commonly used sentence patterns, about 1200 words, and 500 Chinese characters.

FRENCH PROGRAM

4511 FRENCH 1
Grades: 9, 10, 11
Credits: 1
Level: H, CP
French 1 is an introduction to the basic skills of language study which include listening, speaking, reading and writing. Each section leads the student from a closed-ended, structured practice toward open-ended communication allowing a student to learn the grammar rules using thematic vocabulary from each chapter. The program includes on-location photography, video and animated grammar activities, on-line exercises and resources for every chapter. These components effectively reach a generation raised on computers. The use of French in class is stressed.

4611 FRENCH 2
Grades: 10, 11, 12
Credits: 1
Level: Honors
Prerequisites: French 1 and Teacher Recommendation
French 2 continues the work begun in French with greater emphasis on listening comprehension and speaking skills. Writing skills are developed gradually and lead, by carefully graded questions, to composing short compositions. Students will be expected to increase their proficiency, by building upon previously taught vocabulary and grammatical structures, to communicate verbally and in writing. This will be accomplished by the study of more complex grammatical structures. The course consists of a variety of means to have students utilize vocabulary and grammar in everyday contexts. Students will be exposed and interact in the language through: dialogues, readings, conversation starters, cultural materials and role playing. The use of French in class is stressed, 75% of class time is in French.

4711 FRENCH 3
Grades: 11, 12
Credits: 1
Level: Honors
Prerequisites: French 2 and Teacher Recommendation
French 3 aims to strengthen the listening, speaking, reading, and writing skills of the students who have mastered the basic concepts of French. The course provides for vocabulary expansion and development, interesting and relevant reading, a comprehensive review of grammatical concepts and useful conversation. Literary selections represent a wide range of areas within the French-speaking world, from a geographical, as well as, from a social point of view. The use of French in class is stressed, 90% of class time is in French.

4811 FRENCH 4
Grades: 11, 12
Credits: 1
Level: Honors
Prerequisites: French 3 and teacher recommendation
French 4 is an advanced study which continues the skills of listening, speaking, reading and writing. Communication and proficiency is the goal of every presentation. The student synthesizes what has been learned in the previous three years. French 4 includes a variety of informative, cultural and literary readings in the target language from the Francophone world. The topics range from current events, sports, politics to art and history. Guided steps are used to improve the writing process. In addition, each chapter provides on-line resources for further study. The use of French in class is stressed.

ITALIAN PROGRAM

4011 ITALIAN 1
Grade: 9, 10, 11
Credits: 1
Level: Honors
Italian 1 is an introduction to the basic skills, structure and sound of world language study. The aim is to learn to communicate effectively and accurately in Italian using the present tense verb conjugations. Practice is given in listening, speaking, reading and writing. In addition, Italian 1 introduces the student to contemporary Italian life and culture via online and text content. The use of Italian in class is stressed.

4071 ITALIAN 2
Grade: 10, 11, 12
Credits: 1
Level: Honors
Prerequisite: Italian 1
Italian 2 continues the work begun in Italian 1 through a more comprehensive study of the basic skills of listening, speaking, reading and writing. Italian 2 introduces more complex grammatical structures including the use of the past and conditional tense, while continuing to develop, broaden and deepen the student's understanding of Italian life and culture via online and text content. The use of Italian in class is stressed.

4091 ITALIAN 3
Grade: 11, 12
Credits: 1
Level: Honors
Prerequisite: Italian 2 and teacher recommendation
Italian 3 aims to strengthen the listening, speaking, reading, and writing skills of students who have mastered the complex grammar and translation skills covered in Italian 2. This course provides additional material pertaining to Italian culture through the study of Italy's geography and food. Students will also begin to work on writing proficiency through the introduction of directed paragraph construction as well as perfecting advanced conversational skills through presentations. The use of Italian in class is stressed.

4101 ITALIAN 4
Grade: 12
Credits: 1
Level: Honors
Prerequisite: Italian 3 and teacher recommendation
Italian 4 will continue and augment the student's use of high level grammar structures as well as reading and listening comprehension. Continued emphasis will be on oral proficiency as well as the improvement of writing skills through more complex projects and the use of technology. A study of Italy's history and art will be investigated through the use of supplementary texts and audio-visual materials. If time permits, various representative literary classics will be read and analyzed. The use of Italian in class is stressed.

SPANISH PROGRAM

4111 SPANISH 1 (H)
Grade: 9, 10, 11
Credits: 1
Level: Honors
Spanish 1 is an introduction to the basic skills of world language study. Students will develop the skills of understanding, listening, speaking, reading and writing Spanish at a beginner's level. Using various educational media, this course includes vocabulary building, development of basic structural patterns, listening comprehension exercises, instructional games, role playing and exploration of the culture of the Spanish speaking world. The use of Spanish in class is stressed.

4211 SPANISH 2 (H)
Grades: 9, 10, 11, 12
Credits: 1
Level: Honors
Prerequisite: Spanish 1 and teacher recommendation
Honors Spanish 2 continues the work begun in Spanish 1 through a more comprehensive and accelerated study of the basic skills of understanding, listening, speaking, reading and writing. Students will be expected to increase their proficiency, by building upon previously taught vocabulary and grammatical structures, to communicate verbally and in writing. This will be accomplished by the study of more complex grammatical structures. The course consists of a variety of means to have students utilize vocabulary and grammar in everyday contexts. Students will be exposed and interact in the language through: dialogues, readings, conversation starters, cultural materials and role playing. The use of Spanish in class is stressed.

4221 SPANISH 2 (CP)
Grades: 9, 10, 11, 12
Credits: 1
Level: CP
Prerequisite: Spanish 1 and teacher recommendation
Spanish 2 continues the work begun in Spanish 1 through a more comprehensive study of the basic skills of understanding, listening, speaking, reading and writing. Students will be expected to increase their proficiency to communicate verbally and in writing. This will be accomplished by the study of more complex grammatical structures with a scaffolded approach. The course consists of guided notes, structural patterns, interactive language practice, dialogues, readings, cultural materials and role playing. The use of Spanish in class is stressed.

4311 SPANISH 3 (H)
Grades: 10, 11, 12
Credits: 1
Level: Honors
Prerequisite: Spanish 2 and teacher recommendation
In this course, the student is expected to master the verb system including uses of the subjunctive. The ability to communicate in Spanish is stressed through total class participation in conversation, exercises, games and practice in writing. Various contemporary topics will be examined through the use of readers. Students will also be expected to increase their proficiency in writing through directed compositions and other exercises. Students will be expected to converse at a more prolific rate as well as increase proficiency in writing more advanced paragraphs on diverse topics including journal entries. The use of Spanish in class is assessed and all students should demonstrate authentic interest in furthering language acquisition.

4321 SPANISH 3 (CP)
Grades: 10, 11, 12
Credits: 1
Level: CP
Prerequisite: Spanish 2 final grade of 80 or above and teacher recommendation
Spanish 3CP aims to strengthen the listening, speaking, reading, and writing skills of the students who have mastered the basic concepts of Spanish. Students should demonstrate an authentic interest in furthering language acquisition and are expected to utilize prior knowledge to expand their vocabulary and grammar skills. Participants will expand their language skills in Spanish while deepening their understanding of Hispanic cultures. Through their study of Iberian/Latin-American countries, both historical and contemporary, students will continue to develop their language skills as well as their critical thinking skills.

4411 SPANISH 4 (H)
Grades: 10, 11, 12
Credits: 1
Level: Honors
Prerequisites: Honors Spanish 3 and teacher recommendation
This course, taught in the target language, will include a complete review of all grammar, especially the verb tenses of the indicative, subjunctive and imperative moods. Continued emphasis will be placed on oral communication and the improvement of writing skills through more complex compositions and essays as well as journal writing. A study of Spanish civilization including geography, history and art will be investigated through the use of supplementary texts, audio-visual materials, technology and individual research. If time permits, various representative literary classics will be read and analyzed. The use of Spanish in class is stressed, 90% of class time is in Spanish.

4451 AP SPANISH LANGUAGE AND CULTURE
Grades: 11, 12
Credits: 1
Level: AP
Prerequisites: Review of previous Spanish grades in all courses taken and departmental recommendation
This course is designed to address the goals of the Advanced Placement Spanish Language Examination. Students are expected to understand native speakers at a typical speed, comprehend and analyze authentic resources designed for native speakers (as opposed to a student of the language), and to communicate comfortably, both orally and in writing, on a multitude of topics. Special attention is paid to cultural nuances of language by exploring the practices, products, and perspectives of the Spanish-speaking world. Students enrolled in AP Spanish Language and Culture are required to take the AP exam, which covers six themes designed to foster sophisticated command of Spanish language and culture. Therefore, students are expected to not just show knowledge *of* the language, but also demonstrate *how to use* the language effectively for interpretive, interpersonal, and presentational communication. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

The Bishop Shanahan High School Health and Physical Education Department believes that physical self-concept, self-control, cooperation, conditioning, and basic competence in individual and team activities promote total wellness. Since physical fitness/wellness is a complex process of development requiring knowledge, skills, and a positive state of health, maintaining it is a life-long effort to practice behaviors and to make decisions that exhibit a healthy lifestyle.

9221/9321 HEALTH/PHYSICAL EDUCATION
Grades: 10
Credits: 1
Note: Required Course
The Health segment of the course is designed to help students examine their lifestyles, set goals, and make plans for a future of optimum health. A general knowledge of nutrition, drugs and alcohol, tobacco, first aid, and CPR will be presented in an attempt to advance each person's social growth and character development.
This Physical Education segment of the course stresses physical fitness, skill performance, sportsmanship, and individual and team play. Instruction and rules for a variety of sports and activities will be given and an opportunity will be provided for each student to participate in such activities as: volleyball, basketball, soccer, pickleball, badminton, and creative dance.

9271 NUTRITION AND SPORTS PERFORMANCE
Grades: 11, 12
Credits: 1
Level: CP
Prerequisite: Health/Physical Education
This course is designed to use scientific principles to develop and participate in a regular, vigorous physical activity program that involves all the health-related components; cardiovascular endurance, muscle strength, flexibility, agility, and nutrition. Students will be expected to fully participate in both the classroom curriculum as well as the dietary and performance aspects. **Department approval required. This course does not fulfill your Health/Physical Education requirement.**

MATHEMATICS DEPARTMENT

The Mathematics Department follows the Common Core State standards in combination with standards created by the Archdiocese of Philadelphia and strives to prepare each student for further study in Mathematics and to develop an educated person who can:

- Engage learners in authentic inquiry and problem solving
- Empower students to be creative, collaborative, and critical thinking problems solvers
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

5111 ALGEBRA 1 (H)
Grade: 9
Credits: 1
Level: Honors
This course provides a useful mathematical foundation for the skills that are necessary to function in a technical world. The students will be introduced to the most important aspects of algebra and will be given a firm foundation for further study of mathematics. Topics include variables, algebraic expressions, equations, inequalities, and quadratic functions through tables, graphs, and equations. At the conclusion of this course, students will be evaluated for placement in the next level.

5121 ALGEBRA 1 (CP)
Grade: 9
Credits: 1
Level: CP
The material is presented with less depth and rigor than in the honors course, with emphasis on learning skills rather that theory.
This course provides a useful mathematical foundation for the skills that are necessary to function in a technical world.

5131 ALGEBRA 1/ TECH COMM (CP)
Grade: 9
Credits: 1
Level: CP
Algebra 1/Tech is a year-long course designed to provide additional support for the study of Algebra 1. The essential learning content and key concepts will be presented. **Emphasis will be placed on algebraic problem-solving strategies and the key content conceptual models.** The course will be two periods per day and integrate Tech Comm concurrently to allow Freshmen students to earn required Tech .5 credit.

GEOMETRY
Based on the Common Core Standards, students enrolled in Geometry will experiment with transformations in the plane, will prove geometric theorems and will make geometric constructions. Students will understand similarity, right triangles and trigonometric ratios. Students will understand and apply theorems about circles, will express geometric properties with equations, and will use geometric measurement and dimension to solve problems. Students will reason abstractly and quantitatively and will construct viable arguments and critique the reasoning of others.

5211 GEOMETRY (H)
Grades: 9, 10
Credits: 1
Level: Honors
This course is intended for those students who have completed Algebra 1 and have demonstrated mastery of the subject. It emphasizes the structure of plane geometry with an overview of some selected topics in solid geometry. Deductive reasoning is also covered as well as a re-emphasis on algebra topics. Freshmen Placement in this course is based on three criteria: Algebra 1 grade, diocesan Algebra exam, and recommendation from the Algebra 1 teacher.
Prerequisites for sophomores: 85 in Honors Algebra 1/Teacher recommendation, CP students with a 95 and teacher recommendation and department chair approval may be considered.

5221 GEOMETRY (CP)
Grade: 10
Credits: 1
Level: CP
This course emphasizes the basic structure of plane geometry with an introduction to solid geometry. The student is introduced to the concept of deductive reasoning and formal proof. Emphasis is placed on the use of algebra in solving geometry problems.

ALGEBRA II
Based on the Common Core Standards, students enrolled in Algebra II will interpret and build functions, will perform arithmetic with polynomials and rational functions, will analyze functions using various representations and will construct and compare linear and exponential models and solve problems. Students will reason abstractly and quantitatively, will construct viable arguments and critique reasoning of others and will use appropriate tools of mathematics strategically.

5311 ALGEBRA 2 (H)
Grade: 10, 11
Credits: 1
Level: Honors

Prerequisites: 85 in Honors Geometry (Course #5211)/Teacher recommendation, CP students with a 95 and teacher recommendation and department chair approval may be considered.
In addition to a review of basic algebra, the course covers functions, the complex number system, matrices, logarithms and exponents, and an introduction to trigonometry.

5321 ALGEBRA 2 (CP)
Grade: 11
Credits: 1
Level: CP
This course reinforces and expands on the theory and skills learned in Algebra 1. In addition, logarithmic and exponential functions, graphing of equations and inequalities, and the complex number system are emphasized. Word problems and applications dealing with these topics reinforce algebraic topics.

With teacher and department approval, students who have completed Honors Algebra 2 who chose to fast track their math, may take an in person or hybrid Pre-Calculus class from Delaware County Community College the **summer before entering 12th grade.** This will fulfill the Trig/Pre Calc-requirement. Students must earn a grade of a C or better and must email transcripts to the Office of Academic Affairs one week after the completion of the course. During course selection, students may register for Calculus with the intent to complete the requirements listed above. If the requirements are not met, students will be dropped from the course. **(This is not a path to AP Calc.)**

5411 TRIGONOMETRY / PRE-CALCULUS (H)
Grades: 11, 12
Credits: 1
Level: Honors
Prerequisites: 85 in Honors Algebra 2 and Teacher Recommendation
This course is intended for those students who have gained a firm grasp on the fundamentals of Algebra 2. The topics covered include: a thorough study of analytic geometry, functions, equation solving, the complex number system, sequences and series, advanced topics in trigonometry and applications of these topics.

5421 TRIGONOMETRY / PRE-CALCULUS (CP)
Grade: 11, 12
Credits: 1
Level: CP
Prerequisites: Successful completion of Algebra 2
The topics covered include: a thorough study of analytic geometry, functions, equation solving, the complex number system, sequences and series, advanced topics in trigonometry and applications of these topics.

5431 TRIGONOMETRY AND STATISTICS (CP)
Grade: 12
Credits: 1
Level: CP
Prerequisite: Successful completion of Algebra 2
This course is intended for those students whose college plans do not include mathematics or science related study, yet would like to complete four years of college preparatory mathematics. It will provide students with a basic understanding of the trigonometric functions and their applications. It will also include a study of the basics of Statistics and Probability including definitions and applications of various common distributions such as the normal bell curve

distribution. This part of the course is not heavy with the mathematics of Statistics, but will emphasize a basic understanding of the theory and applications of Probability and Statistics.

5451 ADVANCED PLACEMENT CALCULUS
Grade: 12
Credits: 1
Prerequisite: Teacher and Department Chairman recommendations
This course is designed for students with a high aptitude for mathematics who intend to further pursue mathematics and science-based courses of study. Topics included in this course are: derivatives of polynomials, trigonometry, exponential and logarithmic functions. Antiderivatives of the same functions will be considered as well as practical applications of both. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15. The course requires students be tested and complete the application process in order to be accepted.**

5461 CALCULUS (H)
Grade: 12
Credits: 1
Level: Honors
Prerequisite: Teacher recommendation
Topics included in this course are the same as those in course #545. However, the course is less rigorous and the Advanced Placement test in May is not a requirement.

5511 STATISTICS (H)
Grade: 12
Credit: 1
Level: Honors
Prerequisite: Department approval and successful completion of Algebra 2
A comprehensive study of statistics and probability including interpreting data using the bell-shaped curve, z-scores, planning a study, probability, and understanding and applying confidence levels to data. Included in this course are hands-on activities and experiments, as well as mathematical writing.

5521 STATISTICS (CP)
Grade: 12
Credits: 1
Level: CP
Prerequisite: Department approval and successful completion of Algebra 2
This course provides a foundation in the study of Statistics. Topics include descriptive statistics in one and two variables, normal and binomial distributions, counting techniques, rules of probability, and expected values. Topics related to inference and hypothesis testing will also be covered. Aids in computation, interpretation and presentation of statistical results will include the use of graphing calculators, Office applications, and statistical software (Minitab). This course is for seniors who have completed Pre-Calculus/Trigonometry, or as an elective for seniors who are enrolled in Pre-Calculus/Trigonometry.

5551 ADVANCED PLACEMENT STATISTICS
Grade: 12
Credits: 1
Prerequisite: Teacher and Department Chairman recommendations.

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Observing patterns and departures from patterns,
2. Planning a Study: Deciding what and how to measure,
3. Anticipating Patterns: Producing models using probability and simulation.
4. Statistical Inference: Estimating Population parameters and testing hypotheses

SCIENCE DEPARTMENT

Science is a tool that delves into research and investigation done by others as well as a means of original research and investigation. Science is a questioning, creative process in itself, not merely a collection of facts or processes. It questions all things, rejecting the notion that ideas are unchangeable, and opens itself to continual scrutiny and modification. Science builds meaning through specific ways of observing, thinking, experimenting and validating. It is the intention of the Science Department Program to offer to as many students as possible the opportunity to study the world at all levels of complexity through a variety of introductory and secondary level courses.
The AP Sciences are intended for students who are considering majoring in science in college. Students need high PSAT scores, very high grades in previous sciences, high exam grades in the sciences, excellent math grades (especially algebra), and excellent work ethic and the time available to spend four hours a week on AP Science coursework. They will also need their current teacher's recommendation.

6121 INTRODUCTION TO ENVIRONMENTAL SCIENCE (CP)

Grade: 9
Credits: 1
Level: CP

This is an introductory course in environmental science. The course is designed to provide an overview of fundamental concepts and key ecological principles including but not limited to: Biodiversity, food webs, nutrient cycles, population dynamics, pollution, ecosystem services and resource management. In addition, students will analyze environmental issues, evaluate data, and propose mitigation strategies addressing the impact of human actions on ecosystems. Through the use of critical thinking and problem-solving skills, students will gain an understanding of the sustainability of the Earth and their roles as citizen scientists and environmental stewards.

6171 BIOLOGY FR(H)(Grade 9)

Grades: 9
Credits: 1
Level: Honors
Prerequisites: Algebra 1 and Geometry (concurrent with FR. Biology), and Department Approval

In this accelerated biology course students will focus deeply on four core areas: ecological systems, evolution, cellular systems, and genetics. Students will engage deeply with science practices to construct and revise their biological knowledge as well as cross-disciplinary reading, writing, and data-analysis skills. Students will be challenged to make meaningful connections among the structures, processes, and interactions that exist across biological systems from cells to ecological communities. This course motivates learners to be active participants in analyzing real-world phenomena and to collaborate productively with their peers in dialogue, laboratory investigations, and problem solving.

6211 BIOLOGY (H)
Grades: 10
Credits: 1
Level: Honors
Prerequisites: Honors Introduction to Physics Concepts, Algebra 1 and Geometry (concurrent with Biology), and Department Approval
In this accelerated biology course students will focus deeply on four core areas: ecological systems, evolution, cellular systems, and genetics. Students will engage deeply with science practices to construct and revise their biological knowledge as well as cross-disciplinary reading, writing, and data-analysis skills. Students will be challenged to make meaningful connections among the structures, processes, and interactions that exist across biological systems from cells to ecological communities. This course motivates learners to be active participants in analyzing real-world phenomena and to collaborate productively with their peers in dialogue, laboratory investigations, and problem solving.

6221 BIOLOGY (CP)
Grade: 10
Credits: 1
Level: CP
Prerequisites: Conceptual Physics, Algebra 1 and Department Approval
This introductory biology course will focus on four core areas: ecological systems, evolution, cellular systems, and genetics. Students will make meaningful connections among the structures, processes, and interactions that exist across biological systems from cells to ecological communities. By examining these processes, students build an understanding of the complex relationships between living and nonliving systems. This course teaches all learners to be active participants in analyzing real-world phenomena and to collaborate productively with their peers in dialogue, hands on laboratory investigations, and problem solving.

6311 CHEMISTRY (H)
Grade: 10, 11,12
Credits: 1
Level: Honors
Prerequisites: (H) Biology, (H) Algebra 1, (H) Geometry (may be concurrent w/ Chemistry), Department Approval
This is a lab-based course and will require a double lab period once a cycle. Experimentation is used as a vehicle for the presentation of unifying principles in the study of matter and its interaction with energy. The purpose of this course is to encourage the student to think independently and to form the habit of questioning to verify assumptions by reference to evidence obtained through experimentation. Topics include matter, measurement, the atom, moles, chemical equations, stoichiometry, the periodic table, bonding, equilibrium, solutions, acids and bases. This course places heavy emphasis on the relationship between mathematical and chemical principles.

6321 CHEMISTRY (CP)
Grades: 10, 11, 12
Credits: 1
Level: CP
Prerequisites: CP Biology, Algebra 1, Geometry (may be concurrent)
Experimentation is used as a vehicle for the presentation of unifying principles in the study of matter and its interaction with energy. The purpose of this course is to encourage the student to think and to form the habit of questioning to verify assumptions by reference to evidence obtained through experimentation. Topics include matter, measurement, the atom, moles, chemical equations, stoichiometry, the periodic table, bonding, solutions, acids and bases. Students are given additional direction and assistance with math concepts.

6411 PHYSICS (H)
Grade: 11, 12
Credits: 1
Level: Honors
Prerequisites: Honors Chemistry 1, Three Years of Honors Mathematics (one concurrent with Physics,) including Trig/Pre-Calc
Department Approval
Physics is concerned with the relationship between matter and energy. The ultimate goal of Physics is to explain the physical universe in terms of basic interactions and simple particles. In this rigorous, mathematics- based course, the students will study topics such as mechanics, waves, electricity, and nuclear physics in depth. Emphasis will be placed on problem-solving, quantitative lab work and real-world applications of physical principles. This is a pre-college physics course.

6421 PHYSICS
Grade: 11, 12
Credits: 1
Level: CP
Prerequisites: Conceptual Physics, Biology 1, three years of Mathematics (one concurrent with Physics), including Trig/Pre-Calc
Physics is the study of the patterns of the physical world. Emphasis is placed on strengthening the student's ability to pursue an extended logical analysis of physical events. Motion problems and vector analysis involve an understanding of orbiting satellites, trajectories of celestial bodies, and motion of automobiles. Sound, light, and basic electricity are investigated. Heavy emphasis is placed on mathematical relationships and skills. This is a pre-college physics course.

6651 ADVANCED PLACEMENT BIOLOGY
Grade: 11, 12
Credits: 1
Prerequisites: Honors Biology, Honors Chemistry, Honors Algebra 2 and Department Approval
This course is based on the AP Biology Curriculum Framework developed by the College Board. The curriculum focuses on Four Big Ideas which are integrated and interconnected in a conceptual framework that provides the student with an experience equivalent to that of a first-year college biology student. The curriculum allows the student to develop a strong knowledge base and understanding of biological concepts as well as the ability to integrate and enhance comprehension of science practice through inquiry-based laboratory investigations and various other activities. Upon completion of the course, students will develop an increased appreciation for the relationship between the physical and biological sciences. Students will be more fully aware that science is important for knowledge in itself and see how new technologies can have profound effects in their everyday lives. The AP Sciences are meant for students who intend to be science majors in college. It is strongly recommended that they take physics and four years of math. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

6351 ADVANCED PLACEMENT CHEMISTRY
Grade: 11, 12
Credits: 1
Prerequisites: Honors Biology, Honors Chemistry, Honors Algebra 2, Department Approval
Advanced Placement (AP) Chemistry is designed to be the equivalent of a first-year college-level general chemistry course. As such, the course is suitable only for high school students who are particularly capable in chemistry. AP Chemistry students need to exhibit unusually high levels of commitment, motivation and academic maturity. This is a lab-oriented course and requires that all students taking the course sit for the AP Chemistry Examination in May. Course content follows the syllabus as dictated by the College Board. A summer assignment is required. The AP Sciences are meant for students who intend to be science majors in college. It is strongly recommended that they take physics and four years of math. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

6851 ADVANCED PLACEMENT PHYSICS C
Grade: 11, 12
Credits: 1
Prerequisites: Chemistry (H), Physics (H), Pre-calculus (H), (concurrent with Calculus), Department Approval
Advanced Placement (AP) Physics is designed to be the equivalent of a first-year college-level physics course. As such, the course is suitable for high school students who are particularly capable in math and physics. This is a second year Physics course. AP students need to exhibit unusually high levels of commitment, motivation and academic maturity. This is a lab-oriented course and requires that all students taking the course sit for the AP Physics examination in May. Course content follows the syllabus as dictated by the College Board. A summer assignment is required. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

6461 HUMAN ANATOMY AND PHYSIOLOGY (H)
Grade: 11, 12
Credits: 1
Level: Honors
Prerequisites: Biology (H), Chemistry(H) and Department Approval
Human Anatomy and Physiology is an intense year-long study of the human body. Three unifying themes are utilized: Interrelationships of body organ systems, Homeostasis, and Complementarity of structure and function. Students will complete an in-depth investigation of the human body systems and in health and disease. This is a foundational course for students interested in pursuing health-related fields. This course will include, but is not limited to, virtual dissections, case studies with real world applications, the use of manipulatives, and modeling. A strong foundation in root words, prefixes, and suffixes is strongly emphasized in the learning and application of anatomical and physiological terminology.

6511 ENVIRONMENTAL SCIENCE (H)
Grades: 11, 12
Credits: 1
Level: Honors
Prerequisites: Biology, Chemistry, and Department Approval
Environmental science is a multidisciplinary course that incorporates the study of other sciences. It conceptualizes the interrelatedness of other disciplines including economics, philosophy, ethics, policies, and engineering. This course is a more in-depth course than the introductory environmental science course. This course is designed for students to explore environmental principles, issues, and sustainable solutions for our planet. A variety of platforms will be utilized to investigate local and global environmental issues affecting the world today. Platforms may include: Analyzing case

studies, 'Real World' applications, documentaries, research articles, graphing /data analysis, and mitigation strategies. Topics include, but are not limited to; interactions between abiotic and biotic factors, ecosystems and communities, population characteristics, energy, biodiversity, agriculture, water/ waste management, air quality, climate change, environmental regulations/policies, and the environment and human health. Through the use of critical thinking and problem-solving skills, students will gain an understanding of sustainability of the Earth and their roles as citizen scientists and environmental stewards.

6631 FORENSIC SCIENCE (CP)
Grade: 12 **(Grade 11 with Department approval)**
Credits: 1
Level: CP
Prerequisites: Biology, Chemistry
Forensic science is a college prep year-long course of study that integrates and elaborates on other science disciplines including: microscopy, immunology, DNA analysis, biometrics, pathology, epidemiology and computer forensics. Content will include but is not limited to topics such as crime science investigations, forensic toxicology, DNA analysis, forensic biometrics, and careers in forensic science. Students will learn through inquiry-based science investigations, virtual labs, and case studies. This course would integrate "Real World" applications of scientific methodology with forensic applications of scientific and technological concepts. It would also include mathematical applications of data analysis with the incorporation of criminal law aspects of science.

6641 ROBOTICS (H)
Grade: 11, 12
Credits: 1
Level: Honors
Prerequisites: Biology, Chemistry, Computer Programming preferred
Honors Program Using robots, this course will cover the fundamentals of science and engineering concepts required for designing, building, testing and operating autonomous machines that will complete simple tasks and complex missions. Programming concepts will be reinforced when correlating software with the robot's embedded hardware. Robotics is a capstone field of study with multiple branches of future technology to incorporate into a finalized product. *This course does not fulfill the minimum 3-year science requirement.

5621 COMPUTER-AIDED DESIGN (CAD) (H), Second Semester
Grade: 10, 11, 12
Credits: .5
Level: Honors
In this one semester course, students will be given an introduction to computer-aided drafting skills using Auto-CAD and 3D printing, specifically the mastery of the essential concepts of engineering graphics and the use of AutoCAD across engineering disciplines using both 2-D and 3-D design. Individual and team projects are used to allow students to solve design challenges with skills that they have learned in the course.

5611 PRINCIPLES OF STEM (H), First Semester
Grade: 10, 11, 12
Credits: .5
Level: Honors
This course helps juniors and seniors understand STEM professions and their various disciplines through both direct instruction and interdisciplinary projects. The course will give an overview of the engineering professions and help students understand the role of an engineer in society. Students will also be introduced to technology concepts such as basic programming structures and technology and science integration. Students will participate in a series of hands-on projects that will stress both problem solving and teamwork.

6891 STEM Capstone Project Seminar
Grade: 12
Credits: 1
Level: AP
Required for all Grade 12 STEM Certificate Program Participants
This year long course is designed to allow students in the STEM Certificate Program to apply the skills and knowledge they have learned through participation in the STEM Pathways Program. Students will be expected to take on 3 major projects, 2 of which they are in a leadership position, the other being an individual effort. Students will implement the 7-step Engineering Design Process (Ask, Research, Imagine, Plan, Create, Test, & Improve) to design a digital or physical prototype that addresses the problem they researched and have been working on. Working with a mentor currently in a STEM-related field, students will rely on critical thinking, collaboration, problem-solving, and communication skills to head, design, and implement their project. Each student will present their final project to a panel of BSHS faculty and/or STEM professionals. This course is intended to let students decide what they want to pursue in terms of their project/prototype/solution. While students will be receiving instruction and coaching, this course is designed for individuals who will work on their own, independently, and with the expectation that portions of the project will require significant investments of personal time in and out of the classroom. This is not limited to using Shanahan resources after hours or the need to self-teach things with which they are not familiar. Students in this course will be expected to participate in high school competitions as well as Archdiocesan expos showcasing STEM innovation and implementation.

PREREQs:

Science: Completion of biology, chemistry, and physics. Additional AP courses are encouraged.
Math: Completion of Alg I, Alg II, Geometry, and Precalculus
STEM related electives: See pg. 44 for approved courses. Science AP courses should also be acceptable.
Active participation in the STEM Club/TSA chapter for a minimum of 2 years.
Completion of CAD, coding, and/or robotics courses is strongly encouraged!

COREQs: (STRONGLY RECOMMENDED)

@ BSHS: CAD/Programming courses, Calculus (Honors or AP), AP Science courses
Through AVLI: Comp Sci, Understanding AI, Engineering Principles, Programming

SOCIAL STUDIES DEPARTMENT

The primary goal of the social studies department is to provide all students with a knowledge and understanding of those events that have shaped the world in which they live and to prepare them to function as informed citizens. Currently, three social studies credits are required for graduation with a fourth year offered as an elective for seniors.

Based upon the ability level and performance, all courses are designated as either Advance Placement, Honors, or College Prep. While the content for each course may remain essentially the same, the tempo, method of instruction, and the testing techniques will vary. Seats are limited at the Honors level. If a student wishes to advance from College Prep into the Honors level, the student must have a final grade in the previous year, as well as teacher recommendation, of 95% or higher. A student at the Honors level must maintain a Semester 1 average of 85% during the current year. If a student fails to maintain this average, the Department Chairperson, along with teacher recommendation, will move the student into the College Prep level of instruction for the next school year. All courses, regardless of level, prepare the students for college acceptance.
Advanced Placement courses are the most rigorous and demanding. Only those students who have received the recommendation from their social studies teacher and the department chair will be admitted. Without exception, all will be required to take the Advanced Placement Examination in May, for which a separate fee must be paid. Additional fees may also be necessary for any supplementary or review materials required for the course. **Students admitted into an Advanced Placement course are awarded placement into the class. The latest date to drop the class is the 2nd week of June.**

3111/3121 THEMES IN WORLD HISTORY: HUMAN PROGRESS THROUGH THE AGES

Grade: 9
Credits: 1
Level: Honors, CP
This 9th grade introduction to world history offers a global examination of key themes in human history, beginning with the birth of civilization and running up until modern times. Emphasis will be placed upon the depth rather than the breadth of material to be covered and will include such topics as cultural diffusion, the growth of civilization, the cultural roots of the world's various religions, the development of social, political and economic systems and the role of conflict in world history. The specific content of the course will be chosen so as to best illustrate and support each of the major themes.

3211/3221 AMERICAN GOVERNMENT & POLITICS

Grade: 10
Credits: 1
Level: Honors, CP
This course will examine the American system of government within the context of the major historical events that shaped it. Special attention will be paid to the origins of our system of government, the constitutional foundation of our federal system, the rights of the individual as embodied in the Bill of Rights and an examination of the three branches of government.

3251 ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS
Grade: 10
Credits: 1
Prerequisites: Completed application and Department Head and Teacher Recommendations.
This course provides a rigorous and intensive analysis of the United States government and politics. It will include an examination of the constitution, civil rights, the institutions of government, the role of political parties, interest groups and the media, the political beliefs and behavior of the people, and the formulation of public policy. This course will fulfill the 10th grade social studies requirement. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

3311/3321 THEMES IN UNITED STATES HISTORY
Grade: 11
Credits: 1
Level: Honors, CP
By employing a thematic approach, this course will examine the challenges, changes and enduring issues that have marked the development of the United States, beginning with the crisis preceding the Civil War and running through the 21st century.

2331 AMERICAN STUDIES
Grade: 11
Credit: 2
Level: Honors
This two-credit course fulfills the grade 11 ELA and social studies requirements. Students must complete an application and be accepted.
This course takes an interdisciplinary approach to studying the history and culture of the United States through the lens of social justice. Through the use of critical thinking and reading students will examine text types and purposes, arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in American studies and literature. By employing a topical approach, this course will examine the challenges, changes and enduring issues that have marked the development of the United States and American democracy, beginning with the crisis preceding the Civil War and running through the 21st century.

3351 ADVANCED PLACEMENT UNITED STATES HISTORY
Grade: 11
Credits: 1
This course is an intensive survey of the history of the United States from its colonial foundations to the present time. It will examine the social, political, economic and cultural elements that have created the America of today. Students will be required to engage in extensive independent reading, writing and research, involving both primary and secondary sources. This course will fulfill the 11th grade social studies requirement. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

3411/3421 COMPARATIVE GOVERNMENT AND ECONOMICS
Grade: 12
Credits: 1
Level: Honors & CP
This course is an elective open to senior students only. It examines the development and basic characteristics of various political and economic systems by comparing different nations and regions of the world. Special attention will be paid to the influence of geography, history and culture on the development of these systems. Since a course such as this cannot be taught without making reference to current events taking place in the world today, a small fee may be required for additional supplementary materials.

3451 ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS
Grade: 12
Credits: 1
This course examines the history of government, the different and often conflicting theories of government and the various ways in which governments have developed throughout the world. Specific governments to be studied include those of Britain, Russia, China, Mexico, Nigeria and Iran. By its very nature, this course will also involve frequent discussions of current problems in world politics. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

3851 ADVANCED PLACEMENT MACROECONOMICS (Offered in September of Even-Numbered Years)
Grade: 11, 12
Credits: 1
Prerequisite: Department Approval
This course concentrates on an analytical rather than descriptive approach to the principles and problems of macroeconomics. As such, students should be prepared to understand and make use of various mathematical models and formulas. Topics to be considered include: price and output determination in the market, government spending, national income accounting, the banking system, monetary and fiscal policy, international trade and problems of economic growth. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**
7551 ADVANCED PLACEMENT MICROECONOMICS (Offered in September of Odd-Numbered Years)
Grade: 11, 12
Credits: 1
Prerequisite: Department Approval
This course will focus on the nature and functions of product and factor markets, and the role of the government in promoting greater efficiency and equity in the economy. Students will gain an understanding of how basic economic principles apply to the functions of producer and consumer decision making. Students will use their mathematical and higher order thinking skills to analyze, solve, and defend their responses to economic problems. **All students rostered for this class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**

3551 AFRICAN AMERICAN STUDIES (1st Semester)
Grade: 11, 12
Credit: .5
Level: Honors
This is a half-year elective course which explores the cultural, political and social history of African Americans from the Middle Passage through contemporary American life. Through this course students will develop a deeper understanding of the intricate ways in which African Americans have influenced and shaped the history and culture of the United States. In this course, students will examine the historical approaches to understanding the experiences and contributions of African Americans in the United States.

3521 CASE STUDIES IN CIVIL RIGHTS (2nd Semester)
Grade: 11, 12
Credit: .5
Level: Honors
This half year guided seminar course invites the students to explore landmark Supreme Court civil rights cases from their historical roots through their contemporary impact. Students will work individually and in groups to research specific cases impacting various minority and historically marginalized groups including Native Americans, women, immigrants, African Americans, people with disabilities, followers of specific religious beliefs, among others. A variety of presentation styles including debate, oral and written presentations, as well as Socratic seminar will be used. This course requires that the student is able to identify areas of specific interest within the topic list, work independently and collaboratively, as well as actively respond in large and small group discussions.

The Bishop Shanahan STEM Pathways Program



Expanding Access and Providing Pathways to Success

The Bishop Shanahan STEM Pathways Program seeks to inspire the next generation of innovators by empowering students to be become creative, collaborative, and critical-thinking problem solvers. The program takes an interdisciplinary approach to learning, where rigorous academic concepts are coupled with real-world applications and students use STEM in contexts that make connections between school, community, work, and the wider world.

In more concrete terms, our program seeks to:

- ensure all Bishop Shanahan students graduate with a fluency in basic STEM literacy;
- provide students who express a particular interest and aptitude in STEM a pathway to success in STEM in college, career, and beyond.

Year by Year Overview

Freshman Year	***Sophomore Year***
• Tech Comm AND EITHER • Civil Engineering Project/Lab in Introduction to Environmental Science • Electrical Engineering Project/Lab in Introduction to Environmental Science OR • Bio-engineering Project/Lab in Biology	• STEM Speaker Series in Science courses • Bio-engineering Project/Lab in Biology • STEM Project in Geometry • Option to apply for STEM Certificate Program for junior year • Principles of Stem & CAD
Junior Year	***Senior Year***
• STEM Certificate Program Year 1 • STEM Certificate Speaker Series • STEM Elective (1) See List on next page	• STEM Certificate Program Year 2 • STEM Certificate Speaker Series • STEM Certificate Capstone Project • STEM Elective (1) See List on next page

STEM Certificate Program

At the conclusion of freshman year, students who express a particular interest and aptitude in STEM will be invited to apply for the STEM Certificate Program. Students who successfully complete the STEM Certificate Program will graduate Bishop Shanahan with an official certificate denoting their participation in the program, and that they have displayed advanced proficiency in STEM. To apply for the STEM Certificate Program, students must have an overall average of 85, and have successfully completed geometry with at least

an 85. Students who complete Principles of Stem & CAD their Sophomore year, will push their Health & PE to Junior Year like those in the Business Academy.

Requirements of the STEM Certificate Program

- 4 years of Math and Science
- 2 credits in STEM Electives
- Attendance at all STEM Certificate Events (Speaker Series, field trips, etc.)
- Active membership on the STEM Team
- Enrollment in Senior STEM Capstone Course and complete the project

STEM Capstone Project Seminar
Required for all Grade 12 STEM Certificate Program Participants

This year long course is designed to allow students in the STEM Certificate Program to apply the skills and knowledge they have learned through participation in the STEM Pathways Program. Students will be expected to take on 3 major projects, 2 of which they are in a leadership position, the other being an individual effort. Students will implement the 7-step Engineering Design Process (Ask, Research, Imagine, Plan, Create, Test, & Improve) to design a digital or physical prototype that addresses the problem they researched and have been working on. Working with a mentor currently in a STEM-related field, students will rely on critical thinking, collaboration, problem-solving, and communication skills to head, design, and implement their project. Each student will present their final project to a panel of BSHS faculty and/or STEM professionals. This course is intended to let students decide what they want to pursue in terms of their project/prototype/solution. While students will be receiving instruction and coaching, this course is designed for individuals who will work on their own, independently, and with the expectation that portions of the project will require significant investments of personal time in and out of the classroom. This is not limited to using Shanahan resources after hours or the need to self-teach things with which they are not familiar. Students in this course will be expected to participate in high school competitions as well as Archdiocesan expos showcasing STEM innovation and implementation.

PREREQs:

Science: Completion of biology, chemistry, and physics. Additional AP courses are encouraged.
Math: Completion of Alg I, Alg II, Geometry, and Precalculus
STEM related electives: See p41 for approved courses. Science AP courses should also be acceptable.
Active participation in the STEM Club/TSA chapter for a minimum of 2 years.
Completion of CAD, coding, and/or robotics courses is strongly encouraged!

COREQs: (STRONGLY RECOMMENDED)

@ BSHS: CAD/Programming courses, Calculus (Honors or AP), AP Science courses
Through AVLI: Comp Sci, Understanding AI, Engineering Principles, Programming

STEM Electives (Must have 1 credit Junior Year and 1 credit Senior Year in addition to the Capstone)



- Principles of STEM (.5 credit)
- Computer-Aided Design (.5 credit)
- Computer Programming (1 credit)
- Environmental Science (1 credit)
- Human Anatomy and Physiology (1 credit)
- Information Technologies II (Tech Comm) (.5 credit)
- Robotics (.5 credit)
- Forensic Science (1 credit)
- Speak to Lead (Public Speaking) (.5 credit)
- Intro to E-Sports (.5 credit)
- AVLI AP Computer Science (1 credit)
- AVLI AP Environmental Science (1 credit)
- AVLI Bioethics (.5 credit)
- AVLI Computer Game Development (.5 credit)
- AVLI Database Development for Real World Programs (.5 credit)
- AVLI Understanding Artificial Intelligence (.5 credit)
- AVLI Computer Science Principles (.5 credit)
- AVLI Engineering Principles (.5 credit)
- AVLI Introduction to Biochemistry (.5 credits)

The Eagle Business Academy

Preparing Future Decision Makers to Soar to New Heights

What is the Eagle Business Academy?



The Eagle Business Academy is a four-year academic pathway designed to empower students to become innovative leaders equipped to pursue careers and future study in business, solve real world problems, and practice entrepreneurship rooted in ethical decision making directed towards social justice. The Business Academy exists within the framework of the traditional BSHS curriculum; students will be exposed to advanced and diverse study within the field of business while covering all other high school prerequisites necessary for acceptance into competitive post-secondary institutions. Emphasis will be placed on the development of key skills including critical thinking, problem solving, research, reading, writing, speaking, presenting, teamwork, analysis, reasoning, negotiating, and questioning. The rigorous courses will enable students to apply these skills while identifying how their learning connects to other academic disciplines.

The program begins with a brief introduction to the study of business embedded in students' freshmen year coursework. At the end of freshman year, interested students who meet the academic requirements will be invited to apply to the Eagle Business Academy. Approximately thirty rising sophomore students will be accepted into the program each year. Upon acceptance, students will follow a course of study which includes exposure to multiple facets of the business world and culminates in the completion of a capstone project senior year. Graduates of the Business Academy will receive an official certificate denoting their successful completion of the program.

Year by Year Overview

Freshmen Year	***Sophomore Year***
• All students introduced to principles of business • Participation in DECA • At end of year, apply to be in Business Academy	• Eagle Business Academy Year 1 • Take Intro to Business course in place of Health/PE* • Participation in DECA • Business Academy Speaker Series
Junior Year	***Senior Year***
• Eagle Business Academy Year 2 • 1-2 Business electives • Participation in DECA • Business Academy Speaker Series	• Eagle Business Academy Year 3 • 2 Business electives • University of Delaware Dual Enrollment • Business Academy Speaker Series

**1 credit of Health/PE is a state requirement for graduation; this credit must be made up in junior or senior year.*

Application Process

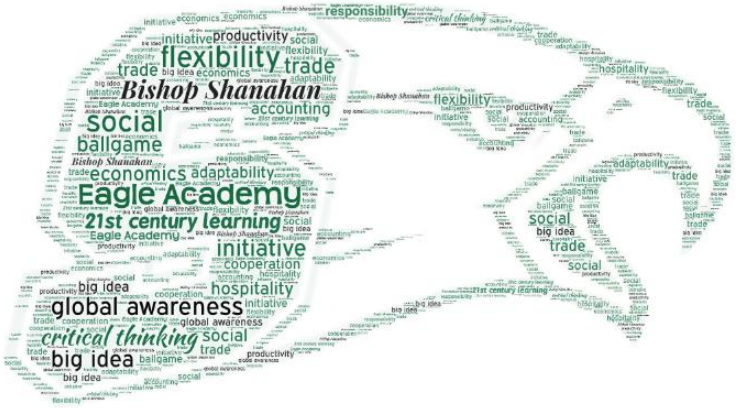
Students will indicate interest in the Eagle Business Academy by completing a form shared by the Office for Academic Affairs. In order to be invited to apply to the Eagle Business Academy, students must have an overall average of at least 85, and at least an 85 in their freshman math and Info Tech I classes. Qualified applicants will be interviewed by members of the Business Academy Committee. The Committee will select up to thirty students for admittance into the Academy.

Program Requirements

- Successfully complete all BCIT courses with at least an 85, and maintain an overall average of 85 through the duration of the program
- Participation in DECA
- Introduction to Business course sophomore year
- 4 credits of business electives (including Intro to Business sophomore year)
- Attendance at all Business Academy Speaker Series events
- Completion of senior capstone project in the University of Delaware Dual Enrollment Course

Business Electives

- Introduction to Business (1 credit Sophomore Year)
- Introduction to Finance (.5 credit)
- Marketing Essentials (.5 credit)
- Social Media & Digital Advertising (.5 credit)
- International Business (.5 credit)
- Hospitality and Tourism (.5 credit)
- Sports Management (.5 credit)
- The Business of E-Sports (.5 credit)
- Speak to Lead (Public Speaking) (.5 credit)
- AP Micro or AP Macro Economics (1 credit)
- Accounting (Dual enrollment with Immaculata University) (1 credit)
- Exploring Ethics (Neumann University Dual Enrollment Course) (1 credit)
- Principles of Management (Neumann University Dual Enrollment Course) (1 credit)
- Personal Finance (Dual enrollment with Immaculata University) (1 credit)
- EntreX Lab Delaware (University of Delaware Dual Enrollment) (1 credit)
- Entreneurship (.5 credit)



SPECIAL PROGRAMS

DIOCESAN SCHOLARS

Grades: 12
Credits: 2
Level: AP
Limit: 6 Students

The top 30 juniors, based on the first semester cumulative rank, are given an opportunity to apply for admission to the Diocesan Scholars Program. Selection into this program provides the Diocesan Scholar an opportunity to take four college courses at a nearby Catholic college during senior year. Advanced placement quality points will be applied to the grades earned in these courses. BY COLLEGIATE STANDINGS, THE HIGHEST GRADE EARNED IS A 96%.

AP COURSES (ALL DEPARTMENTS)

Grades: 10, 11, 12
Credits: 1

Any student accepted into an Advanced Placement course during the Rostering process has the ability to drop the AP course until **June 15th** of the school year in which the placement occurred. **After June 15th students are NOT permitted to drop any AP course in which they are enrolled.** All students taking Advanced Placement courses MUST provide payment for the AP Test(s) by October 1st of the current school year. All students enrolled in Advanced Placement courses MUST take the AP Test at the end of the course in May.

8141-8241-8331-8431 ACADEMIC STRATEGIES

Grades: 9, 10, 11, 12
Credits: 1
Level: CP

A course in communication skills is offered by the Chester County Intermediate Unit's Reading Specialist. It covers the listening, speaking, reading and writing skills needed for all content subjects. It is open to those students who need this support, as well as those who elect it and qualify for the program.

*Bishop Shanahan partners with **Arrupe Virtual Learning Institute (AVLI)** as a means of providing additional course options for you to pursue interests that will help you grow to be your personal best. Beyond challenging course content, an AVLI experience fosters important life skills, and provides opportunities to learn with and from teachers and students from schools across North America. AVLI teachers are seasoned Ignatian educators from Jesuit schools throughout the United States. They are certified in the subject area in which they are teaching, and have gone through extensive training in the development and delivery of online courses. Courses are designed around a series of learning modules that students complete together. Though the delivery will be different, just like the traditional classroom, there will be lectures, discussions, projects, reading assignments, and more. Much of the work is done independently on students' own time utilizing learning tools (discussion boards, blogs, wikis, group projects) that are participative in nature. There will also be occasions when students gather online at the same time for live discussions, teacher instruction and guest lectures.*

***** Students must have a general average of 85 as a perquisite when selecting an AVLI class. *****

FULL YEAR COURSES- 09/4/2025-5/01/2026

7771 AVLI AP AFRICAN AMERICAN STUDIES
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
COURSE LISTING: Social Studies
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $75
This AP African American Studies course is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with rich and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Coursework is rigorous and will prepare students to sit for the AP College Board exam in the spring.

8361 AVLI AP ART HISTORY
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
COURSE LISTING: Art
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $100
The AP Art History course explores topics such as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history. Coursework is rigorous and will prepare students to sit for the AP Art History College Board exam in the spring.

ARRUPRE VIRTUAL FULL YEAR COURSES CONTINUED

7951 AVLI AP COMPUTER SCIENCE
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
COURSE LISTING: Computer Science/ STEM Certificate Program
PREREQUISITES: Students should have successfully completed one course in a programming language such as C, C++, Visual Basic .Net, or Java. Moreover, students should know how to edit, compile, and run a program.
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $100
This course is a college level introduction to object-oriented programming in Java. Students will focus on a problem-solving approach designed to focus attention on programming algorithms and data structures. Students will be fluent in the syntax and logic structures of the Java programming language as well as familiar with the Java API. Students will attempt difficult programming challenges, reflect on these exercises, and share their discoveries with their peers. In the Spring, students will be eligible to take the AP Computer Science A Exam offered by the College Board at their school. This class will take up a lot of time, so it is recommended have room in their schedule for it.

6551 AVLI AP ENVIRONMENTAL SCIENCE
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
COURSE LISTING: Science/ STEM Certificate Program
PREREQUISITES: Chemistry and Biology
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $100
The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Labs will be coordinated with the student's brick-and-mortar school. In the spring, students will be eligible to take the AP Environmental Science Exam offered by the College Board at their school.

3651 AVLI EUROPEAN HISTORY
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
COURSE LISTING: Social Studies
SYNCHRONOUS COMMITMENT: This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment
APPROXIMATE TEXT/RESOURCES COST: $50
In AP European History, students investigate significant events, individuals, development and processes from about 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary & secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course to make connections among historical developments in different times and places: interaction of Europe & the world, economic & commercial development, cultural & intellectual development, states & other institutions of power, social organization & development, national & European identity, and technological & scientific innovation.

ARRUPRE VIRTUAL FULL YEAR COURSES CONTINUED

2651, 2631 AVLI AP PSYCHOLOGY also offered as Honors Course Fundamentals of Psychology
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
COURSE LISTING: Psychology/Social Studies
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $50
This AP course introduces the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students who complete this course will be prepared to take the AP examination in the spring. This class will take up a lot of time, so it is recommended students have room in their schedule for it.

3681 AVLI AP WORLD HISTORY
AVAILABLE TO: Seniors
CREDITS: 1 **LEVEL:** AP
COURSE LISTING: Social Studies
SYNCHRONOUS COMMITMENT: This course has a bi-weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. These themes, examined across cultures and time periods, include: Interaction between humans and the environment; Development and interaction of cultures; State-building, expansion and conflict; Creation, expansion and interaction of economic systems; Development and transformation of social structures.

4831 AVLI AMERICAN SIGN LANGUAGE LEVEL I
AVAILBALE TO: Freshmen, Sophomores, Juniors, and Seniors
COURSE LISTING: World Languages
APPROXIMATE TEXT/RESOURCES COST: $65
Did you know that American Sign Language (ASL) is the third most commonly used language in North America? In this course, students will learn the manual alphabet, introductory vocabulary, and simple sentences needed to communicate at the introductory level. Additionally, students will explore Deaf culture, including social beliefs, traditions, history, values, and communities influenced by deafness. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place one evening per week that students are expected to attend. Meeting times to be determined at the beginning of the term.

4781 AVLI AMERICAN SIGN LANGUAGE LEVEL II
AVAILBALE TO: Sophomores, Juniors, and Seniors
COURSE LISTING: World Languages
PREREQUISITES: American Sign Language Level 1 or equivalent
APPROXIMATE TEXT/RESOURCES COST: $65
This course introduces the fundamentals of American Sign Language (ASL) used by the Deaf Community, including vocabulary, syntax, fingerspelling, and grammatical non-manual signals. In addition, instruction focuses on communicative competence, developing gestural skills as a foundation for ASL enhancement, and introducing cultural knowledge, thereby increasing understanding of the Deaf Community. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place one evening per week that students are expected to attend. Meeting times to be determined at the beginning of the term.

ARRUPRE VIRTUAL FULL YEAR COURSES CONTINUED

7531 AVLI AMERICAN SIGN LANGUAGE LEVEL III
AVAILBALE TO: Sophomores, Juniors, and Seniors
COURSE LISTING: World Languages
PREREQUISITES: American Sign Language Level 2 or equivalent
APPROXIMATE TEXT/RESOURCES COST: $65
On the next step of your journey through the worlds of EARth and EYEth, you'll follow three friends: a Deaf chef, a drummer, and an inspiring actress through their daily lives and friendship. Get ready to slice and dice like a chef, critique some entertainment for a vlog, reminisce on childhood memories, play some games, and do a little traveling. Along the way you will get to dive deeper into Deaf culture and even get an inside look into the lives of some famous Deaf people. So, what are you waiting for? Let's hit the road! The course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

3871 AVLI LATIN LEVEL I
AVAILABLE TO Freshmen, Sophomores, Juniors, and Seniors
CREDITS: 1 LEVEL H
COURSE LISTING: World Languages
APPROXIMATE TEXT/RESOURCES COST: $20
In this introductory course, students will learn the basic elements of Latin grammar, syntax, and vocabulary. Students will also study the Latin-based etymological roots of common English word families and selected topics from Roman history, culture, and mythology. By the end of the course, students will be able to read short, authentic Latin texts and write original Latin sentences using basic Latin grammar and vocabulary. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place one evening per week that students are expected to attend. Meeting times to be determined at the beginning of the term.

7691 AVLI LATIN LEVEL II
AVAILABLE TO: Sophomores, Juniors, and Seniors
CREDITS: 1 LEVEL H
COURSE LISTING: World Languages
PREREQUISITES: Latin Level 1 or equivalent
APPROXIMATE TEXT/RESOURCES COST: $50
Latin Level 2 builds on the grammar, syntax, and vocabulary skills established in Latin Level 1. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place one evening per week that students are expected to attend. Meeting times to be determined at the beginning of the term.



FALL (1ST SEMESTER) 2024 COURSES- 09/04/2025-12/12/2025

Students registering for fall semester course must also register for a spring semester course.

7591 AVLI ACCOUNTING

AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: Mathematics
SYNCHRONOUS COMMITMENT: There is a required synchronous meeting that will take place. Meeting times will be determined at the start of each term.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
In this course, students will learn accounting for a sole proprietorship business organization. Students will analyze financial statements and learn the accounting cycle by working through application problems and applying accounting concepts to real-world situations. This course is primarily asynchronous, allowing students to work at their own pace for weekly assignments.

1671 AVLI BIOETHICS: NAVIGATING THE ETHICAL DILEMMAS OF OUR FUTURE

AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: Theology/STEM Certificate Program
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course is a general introduction to ethical theory and reasoning and its application to a number of hot current world issues, with particular emphasis on bioethics (moral dilemmas of modern biological and medical fields). It begins by addressing the question, why do ethics and moral decision-making matter at all in a world we see operating so frequently without them? It surveys major ethical paradigms (common-good ethics, rights Go to Course List ethics, virtue ethics, and ethical relativism) and considers how each can help and hinder our pilgrimage to responsible, life giving choices for us and for our larger human family. Respectful consideration of opposing viewpoints, including the official teachings of the Catholic Church, is a hallmark of the course. By the end of the course, students should be able to manage some real cases on a committee of fellow ethicists using the vocabulary germane to ethicists in hospitals today.

7981 AVLI COMPUTER SCIENCE PRINCIPLES (1st Semester)

AVAILABILE TO: Sophomores, Juniors, and Seniors
CREDITS: .5 **LEVEL:** Honors
This course will introduce students to a wide array of important computer science topics. Students will learn the ideas and practices of computational thinking as well as how computers are impacting the world around us. Topics that will be covered include basic computer vocabulary, bits and bytes, programming, abstraction, internet and networking. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much-needed life skill. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place during one evening or weekend slot per week that students are expected to attend. Meeting times to be determined at the beginning of the term.

FALL (1ST SEMESTER) 2024 COURSES- Continued

8611 AVLI DIGITAL PHOTOGRAPHY
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: Computer Science
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided) ***Students must have access to Digital SLR camera and the ability to use it outside of school.***
Digital Photography is a semester course designed for beginning photographers. Students will learn the basics of photography and fine-tune their camera skills. The course will also cover composition and the principles of design that work to create an aesthetically pleasing photo. The course will not cover photo editing and retouching, but will focus on getting good images that don't need editing. **Students must have a Digital SLR camera.

7911 AVLI JAVA SCRIPT PROGRAMMING
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: Art
SYNCHRONOUS COMMITMENT: This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course introduces students to computer programming using the JavaScript programming language. JavaScript is an object-oriented programming language similar to Java, Swift, C# or Python. It is the language behind the internet and crucial for any aspiring programmer to learn. In this course, students will learn basic programming concepts including variables, control-flow, loops, functions, and data structures. Through a variety of projects, students will practice these skills and learn how to write high quality code. Previous computer science experience is not required for this course. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

3661 AVLI LAW AND SOCIETY
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: Social Studies
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $60
Law & Society features the study of the political nature of state and federal level courts, while paying particular attention to contemporary issues related to the judiciary. The course will provide a foundation for legal study through surveying 1) the historical development of the courts, 2) controversial issues surrounding the essence of court authority, 3) state and federal court structures and operations, and 4) case study areas related to civil rights and liberties. Students will have the unique opportunity to become acquainted with fundamental aspects of the American legal system, and be afforded educational exposure to issues applicable as both citizens and students in the historical field of law. Class methods will include discussion, lecture, case-summary writing, historical research, and other related techniques. *Note: this course is not designed to be the basis of professional legal training. It is a general survey course designed to provide students with historical and contemporary practical learning material.*

ARRUPRE FALL (1ST SEMESTER) COURSES CONTINUED

7561 AVLI MULTIMEDIA AUTHORSHIP—THE POWER OF WORDS AND IMAGES
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: BCIT/STEM Certificate Program
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course aims primarily to develop communication skills through student expression of his or her ideas using multimedia technology. Students will study models of multimedia composition used by professional and student writers and then create their own multimedia content, pushing the students to a mastery of the concepts and technical skills the composition requires. In order to fully participate in the class, the student must have a computer (Mac or Windows) on which he or she can install new programs. They will also need access to a digital camera. The semester will culminate with each student producing an original, substantive multimedia project on a topic of the student's choice.

7661 AVLI UNDERSTANDING ARTIFICIAL INTELLIGENCE: THE SCIENCE AND MORALLTY
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Computer Science/STEM Certificate Program
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course explores the reality of machine learning in particular and applications of artificial intelligence systems generally. It also examines the moral implications and boundaries of AI in a just society. Machine learning is the study of algorithms and statistical models that computer systems use to perform tasks without using explicit instructions, relying on patterns and inference instead. Students will explore how AI can help human beings, what threats exist, and how to balance what can be done with what should be done.

5701 AVLI ENGINEERING PRINCIPLES
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Science STEM Certificate Program
PREREQUISITES: Physics and Geometry
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course takes students on a "doing" tour of the discipline of engineering and several of its sub-disciplines including mechanical engineering, electrical engineering, and computer engineering. Students will learn the engineering design process and computer aided design and apply it to "hands-on" projects. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. This course also explores the engineering approach for problem solving. One-on-one synchronous teacher support is offered as needed, by appointment

7991 AVLI INTRODUCTION TO BIOCHEMISTRY
AVAILBALE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Science STEM Certificate Program
PREREQUISITES: Biology and Chemistry
APPROXIMATE TEXT/RESOURCES COST: $100
This course provides an overview of the main aspects of biochemistry, especially as related to human biology. Topics will include a thorough study into the four major biochemical families including proteins, carbohydrates, lipids, and nucleic acids. Select biochemical functions will be discussed in the context of chemical structures and of specific chemical principles for each of the families of molecules (for example: enzymes and enzyme regulation, carbohydrate needs in the body, lipid functions, and nucleic acid structures). Finally, the course provides and overview of metabolism and metabolic pathways which are fundamental to understanding molecular biology. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a synchronous meeting that will take place one evening per week that students are expected to attend. Meeting times to be determined at the beginning of the term.

ARRUPRE FALL (1ST SEMESTER) COURSES CONTINUED

3691 AVLI INTRODUCTION TO SOCIOLOGY
AVAILBALE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Social Studies
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
SYNCHRONOUS COMMITMENT: This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. An optional synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.
Sociology touches on the essential concepts of sociology with an emphasis on contemporary American social themes. The main units of study are cultural analysis, family dynamics, gender studies, racial and ethnic inequality, socioeconomic stratification and crime and deviance. The course requires students to perform scholarly research, prepare and perform numerous presentations, engage in class dialogues, and process information through various writing exercises. The sociology classroom demands academic determination and a desire to engage in discussion.

Arrupe Virtual Learning Institute
Venturing beyond the classroom in Catholic schools

SPRING (2nd SEMESTER) 2025 COURSES- 01/08/2026-05/01/2026
Students registering for spring semester course must also register for a fall semester course.

8631 ADVANCED DIGITAL PHOTOGRAPHY
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: Art
PREREQUISITES: AVLI Digital Photography
SYNCHRONOUS COMMITMENT: This course requires weekly engagement but is primarily asynchronous. A required synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.
TEXT/RESOURCES COST: $0 (Resources provided) **Students must have access to a Digital SLR camera and the ability to use it outside of school.**
This course is an extension to the 1st semester Digital Photography course with students deepening their mastery of key camera functionality, composition, and design principles as applied to developing personal expression and creativity.

ARRUPRE SPRING (2ND SEMESTER) COURSES CONTINUED

1671 AVLI BIOETHICS: NAVIGATING THE ETHICAL DILEMMAS OF OUR FUTURE

AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: Theology/STEM Certificate Program
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL. **APPROXIMATE TEXT/RESOURCES COST**: $0 (Resources provided)
This course is a general introduction to ethical theory and reasoning and its application to a number of hot current world issues, with particular emphasis on bioethics (moral dilemmas of modern biological and medical fields). It begins by addressing the question, why do ethics and moral decision-making matter at all in a world we see operating so frequently without them? It surveys major ethical paradigms (common-good ethics, rights Go to Course List ethics, virtue ethics, and ethical relativism) and considers how each can help and hinder our pilgrimage to responsible, life giving choices for us and for our larger human family. Respectful consideration of opposing viewpoints, including the official teachings of the Catholic Church, is a hallmark of the course. By the end of the course, students should be able to manage some real cases on a committee of fellow ethicists using the vocabulary germane to ethicists in hospitals today.

2541 AVLI CATHOLIC AUTHORS

AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL**: Honors
COURSE LISTING: ELA
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
The Roman Catholic Church is richly blessed with many wonderful authors who write passionately and compellingly about our faith. How many do you know? Augustine, Aquinas, Belloc, Chesterton, Dante, Day, Endo, Finnis, Greene, L'engle, Merton, O'Connor, Percy, Tolkien, and so many more. This course explores several diverse Catholic authors and their works and ideas, hones students' critical reading and interpretative skills, and brings students together from Catholic schools around North America to celebrate our rich literary heritage through individual and group projects and presentations.

7571 AVLI COMIC BOOK FICTION

RECOMMENDED FOR: Seniors
COURSE LISTING: English & Communications
PREREQUISITES: English III
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
Literature is paradoxical by nature: it attempts to hold a critical mirror up to the very society that produced it and of which it is part, and so it requires skill to uncover what authors want to say, what they do say, and, critically, what they don't say. Comic books are no different. Despite being marginalized by traditional literary circles, comic books feature the same literary techniques and devices as canonized literature and therefore offer an accessible entryway into literary analysis. In this course, you will learn and/or sharpen reading, writing, and analytical skills while reading some of the most lauded comic book titles. Join me, the X-Men, Spiderman, and Batman among others on an epic literary journey.

7861 AVLI COMPUTER GAME DEVELOPMENT

AVAILABLE TO: Juniors & Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Technology/STEM Certificate Program
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course explores the process of game development, the principles of game design, styles/genres of computer games, techniques for game software engineering, and information about the computer game industry. Emphasis will be on pragmatic advice for game designers, together with techniques for game balance and analysis. Students will design and playtest a game as a course project. Group work is emphasized, especially the importance of collaboration between technical and artistic efforts. Students are expected to participate in game development using appropriate game development tools.

ARRUPRE SPRING (2ND SEMESTER) COURSES CONTINUED

7971 C++ PROGRAMMING
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Computer Science
SYNCHRONOUS COMMITMENT: There is a required synchronous meeting that will take place during one evening or weekend day per week. Meeting times will be determined at the start of each term.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course will introduce students to computer programming using C++ programming language. C++ is a programming language used in many applications, across different industries. Through this course, students will learn the basic syntax necessary to write a computer program and how to attack a problem using the proper planning techniques. Students will learn about control structures, loops, procedures, arrays and much more. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in groups and work together to meet the objectives of the module. Collaborating with other students is essential to the success of students in this course, as well as a much-needed life skill.

3861 AVLI GENOCIDE AND THE HOLOCAUST
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Social Studies
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources provided)
This course takes a look at both the academic and social constructions of genocide. We will view the Holocaust as the paradigmatic example of, but not only, genocide in modern history. Students will study the causes and processes of genocide as well as other contemporary crimes against humanity. Students and parents should be advised that this course utilizes intense and disturbing materials.

7961 AVLI INTRO TO DESIGN THINKING
AVAILABLE TO: Juniors and Seniors
CREDITS: .5 **LEVEL:** Honors
COURSE LISTING: Social Studies
SYNCHRONOUS COMMITMENT: A required synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.
APPROXIMATE TEXT/RESOURCES COST: $50
Students will explore real-world problems through stages of a tested design process that focuses largely on the human experience. How do we relate and continue to adapt to the world around us? Topics may include visualization, mapping, storytelling, prototyping and testing.

7541 AVLI INTRODUCTION TO VETERINARY CAREERS
RECOMMENDED FOR: Juniors and Seniors COURSE LISTING: Science
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is OPTIONAL.
APPROXIMATE TEXT/RESOURCES COST: $0 (Resources Provided)
In Introduction to Veterinary Careers, students will investigate the vast field of veterinary medicine, from entering the field to living and growing within it. They will explore educational and licensing requirements, the varied jobs within the profession, and the reality of everyday life as a veterinarian (or veterinary support staff). The class will emphasize personal discovery of an individual's options for education and careers as well as considering his or her own strengths, weaknesses, and interests as they relate to veterinary careers. Finally, students will consider social and ethical challenges they may encounter to help them discern if veterinary medicine is right for them.

ARRUPRE SPRING (2ND SEMESTER) COURSES CONTINUED

3851 AVLI MODEL UNITED NATIONS/INTERNATIONAL RELATIONS (MUNIR)

RECOMMENDED FOR: Juniors and Seniors
COURSE LISTING: Social Studies
SYNCHRONOUS COMMITMENT: This course has a weekly synchronous meeting that is MANDATORY.
APPROXIMATE TEXT/RESOURCES COST: $25
Model United Nations is an educational simulation and academic competition in which students learn about diplomacy, international relations, and the United Nations. International Relations is an academic course designed to examine the behavior of nations and states both individually and collectively. When you combine the two—that is, using the Model UN platform to examine the state of International Relations today, you have an interesting, intriguing, and fun way to enhance both your perception of global issues and your position as a citizen of your country and the global community. This is not a course that will drown itself in theory. Rather, it is designed to offer opportunities for students to study modern global issues, and the positions and interactions of nations and states, through research, simulations, discussion, and written assignments. Students are assigned a country at the beginning of the semester and represent that country during simulations, constructing position papers, resolutions, and amendments. Several seminars encourage students to participate in online discussion to resolve, or perhaps merely to understand better, an issue. Since committee work is such a vital part of the course, significant online interaction via email, video conferencing, or texting is a must for success. Simulations are based on the United Nations format.

6341 AVLI MEDICAL TERMINOLOGY AND CAREER EXPLORATION

RECCOMENDED FOR: Juniors and Seniors
COURSE LISTING: Science STEM Certificate Program
APPROXIMATE TEXT/RESOURCES COST: $50
Medical terminology is a specialized language used by health care practitioners and, just like a foreign language, it has its own vocabulary and ways of stringing together words. This course combines an introduction to fundamentals of medical terminology and terms associated with the various bodily systems with the opportunity for students to learn more about professions throughout the medical field.

Fees for AVLI Courses

1 Credit Course (full year class)	$425.00
.5 Credit Course (semester classes)	$285.00

AVLI COURSE DROP POLICY

AVLI courses may not be dropped after the add/drop period established by AVLI. Families will be charged full tuition fees for courses once the add/drop period has expired.

IMMACULATA UNIVERSITY

Partnership with

Bishop Shanahan High School

❖ Courses will be taught on the Shanahan campus by an Immaculata instructor.

- ❖ The cost for each course is $375/semester. ($125.00 per credit). The fee must be paid to Immaculata before the first class meeting. **An agreement of payment must be signed**.
- ❖ Texts must be purchased by the student.
- ❖ Students will receive dual credit (high school credit and Immaculata University credit).
- ❖ Seniors and/or Juniors wishing to enroll in these courses must apply through the Office for Academic Affairs.
- ❖ AP quality points will be given for these courses.
- ❖ Students enrolled in these courses will have access to the Immaculata University library data base.

2025-2026

First Semester

2551 Foundations in Psychology (3) **PSY 101**
Introductory examination of the fundamental concepts of psychology with particular emphasis on the description of normal human behavior, the methodology by which it is studied, and the factors influencing its modification.

1691 Intro to Criminal Justice (3) **SOC 217**
A broad overview of the operations of the administration of justice and a description of the criminal justice system from arrest to parole, examining the issue of crime and focusing on the specific agencies and actors who constitute the system of criminal justice - police, courts, and correctional agencies.

2731 Accounting and Budgeting (3) **ACC 201**
An introduction to accounting information and the basic accounting cycle. Techniques of accounting for business transactions, preparation and interpretation of financial statements for internal control and external reporting and for use in making sound business decisions, forecasting and budgeting methods.

7751 Introduction to Sociology (3) **SOC 202**
Introduction to the analysis of sociocultural behavior; emphasis is upon the development of the social individual, collective and group behavior, social institutions and culture. The presentation of basic terms, concepts, and theories provide an understanding of the functioning of society and society's impact on the individual.

BY COLLEGIATE STANDINGS, THE HIGHEST GRADE EARNED IS A 96%.

2025-2026

2nd Semester

2551 Foundations in Psychology (3) **PSY 101**
Introductory examination of the fundamental concepts of psychology with particular emphasis on the description of normal human behavior, the methodology by which it is studied, and the factors influencing its modification.

2741 Personal Finance (3) **BUS 302**
Introduction to personal financial evaluation, management, and planning. The course provides the student with an understanding of consumer credit, life insurance, health insurance, property and casualty insurance, wills, trusts, Social Security, stocks, bonds, real estate, mutual funds, retirement planning, and other topics.

1651 Philosophy and Film (3) **PHI 338**
Engagement of fundamental questions combines with the fundamentals of the film medium. We will explore the nature, interpretation, and value of film. We will also consider, through our experience of different genres, styles, and techniques, how film enhances and/or alters our view of life.

BY COLLEGIATE STANDINGS, THE HIGHEST GRADE EARNED IS A 96%.

Partnership with Bishop Shanahan High School

Fall 2025

1551 PHIL 102: Exploring Ethics
3 Credits

In this course, students explore fundamental ethical questions and gain a framework that they can use to think through ethical issues that confront them as human beings, responsible citizens, and emerging leaders in a global community. The course aims to enhance the student's abilities to think critically and reflectively. Through study of a variety of ethical approaches, students explore the meaning of self and society, and reflect on the compatibility of faith and reason with specific reference to the Catholic Franciscan intellectual and spiritual tradition.

Spring 2026

1559 MGT 100: Principles of Management
3 Credits

This course introduces the basic managerial functions and reviews the key principles and theories that have influences the field of management since the advent of the modern corporation. Topics covered include: the evolution of management thought, international management, planning and decision-making, organizing and managing human resources, motivating and leading, and management's social and ethical responsibilities.

Additional Information

- Courses will be taught on the Shanahan campus by a Neumann University instructor.
- The cost for each course is $300/semester. ($100.00 per credit). The fee must be paid to Neumann before the first class meeting. **An agreement of payment must be signed**.
- Texts must be purchased by the student.
- Students will receive dual credit (high school credit and Neumann University credit).
- Seniors and/or Juniors wishing to enroll in these courses must apply through the Office for Academic Affairs.
- AP quality points will be given for these courses.

BY COLLEGIATE STANDINGS, THE HIGHEST GRADE EARNED IS A 96%.

CHESTER COUNTY TECHNICAL COLLEGE HIGH SCHOOL

Students in eleventh and twelfth grades may participate in one of the 23 different outstanding career and technical programs offered at the Chester County Technical College High School (TCHS) in Downingtown.

Students who choose to attend the TCHS are scheduled at the "home school" for required academic courses. They attend the morning session at TCHS that runs from 7:50 AM to 10:00 AM.

Bus transportation is provided by the local school district and is available in the morning at Bishop Shanahan.

Students receive two credits per year towards graduation if courses are completed with a satisfactory grade average.

The Chester County Technical High School offers courses in the following areas:

*Allied Health Services
*Allied Health - EMT
*Allied Health – Sports Medicine
Auto Collision Technology
Animal Science
Automotive Service Technology
Baking and Pastry Arts
Barbering
Carpentry
Commercial Art & Design Media
Computer Information Systems
Cosmetology
Criminal Justice & Police Services
Culinary Arts
Diesel Technology
Digital Media & Sound Communications
Early Childhood Care & Education
Electromechanical Engineering
Electrical Occupations
Engine Technology
Health Career Pathways
HVAC & Refrigeration Technology
Marketing & Financial Services
Veterinary Science

***Senior only programs**

Allied Health Program: This prestigious program is for seniors who are planning to pursue post-secondary education in a health-related career. Students are given an opportunity to explore many health-care occupations as they participate in 7.5 hours per week of clinical and classroom education in a local hospital facility.

Students interested in courses at TCHS or in the Allied Health programs should report to the Guidance Office for information or log onto www.technicalcollegehighschool.org.

GUIDANCE DEPARTMENT

The Guidance program at Bishop Shanahan High School is concerned with the spiritual, educational, emotional and social development of all students. A basic assumption of this program is that all individuals, from time to time, may require guidance assistance. The guidance department offers the following services: academic and career/vocation counseling, personal counseling, support groups, parental consultation, and referral to outside specialists when appropriate.

Students and parents are encouraged to contact their counselor to answer questions about academic progress, social/emotional concerns, activity participation, or overall adjustment to Bishop Shanahan. The Guidance Office believes that proactive responses are key to a student's well-being and academic success. Counselors act as the first line of defense in assisting students and families and sometimes determining if a student needs additional services.

COLLEGE ADVISING OFFICE

College and career guidance involves individual, small group and classroom sessions with students to assist in planning for the future.

With the help of internet programs, students can begin their initial investigation into college and career opportunities. Shanahan provides Naviance Student, a Web-based purchased service designed especially for students and families. Naviance Student is a comprehensive website that you can use to help in making decisions about your courses, colleges, careers, and applying to college senior year. Naviance Student is linked with Counselor's Office, a service that we use in our office to track and analyze data about college and career plans, so it provides up-to-date information that's specific to our school.

To access Naviance Student, you will need a personal access code, which the Guidance Department provides to each student. You can log onto your Naviance Student account at http://student.naviance.com/bishopshan.

The following college and career resources and services are also available:

Naviance
Fall College Fair
An Internet Directory for College, Scholarship, and Career Sites
Visits by College Representatives
Visits by the Armed Forces
College Instant Decision Days at Bishop Shanahan

ROSTERING

Grade 10, 11, 12

There are several steps in rostering at Bishop Shanahan. They are the following:

- Late-February, early March: Course Selection Cafe and Publication of the Course Catalog placed online
- Early to Mid March: Students are recommended for placement in their respective classes. The Department Chair and current teacher confer upon this process.
- Late March: All course selection will take place on-line via PowerSchool.
- Students will have access to on-line course selection beginning in late March; at this time, students will select from all courses for which they have met the necessary prerequisites.
- Finalized course selection will be approved by parents via the PowerSchool portal indicating the courses and the tracks of the subjects for which students have been approved for the following school year.
- Registration is assumed and FACTS is charged the registration fee. If a student is not returning to Bishop Shanahan they must complete a Withdraw from and submit it to the Principal
- The student's individual roster will then be processed.
- **All students rostered for an AP class are required to pay for and take the AP exam. AP classes may not be dropped after June 15.**
- Rosters will be viewable on PowerSchool in August. At that time dates will be assigned when roster conflicts can be adjusted prior to the opening of school.
- Rosters **WILL NOT** be changed due to:
  -Dissatisfaction with a course or teacher
  -Displeasure with a schedule
  -Desire for early dismissal
  -Desire for a different lunch or study hall
- Students are required to carry all chosen courses, including electives, for the entire year.

Roster Change requests will incur a $30 fee

Grade 9

During the late spring the formal process of preparing rosters for the incoming freshman class begins. By that time the vast majority of our future students are registered and their current schools have provided us with records including grades and standardized test scores. The sequence of steps in the rostering process for incoming freshmen is as follows:

- Almost all ninth graders will take seven courses all of which are required for graduation. The primary concern of the Office for Academic Affairs when rostering freshmen is to identify the best placement for these students in the subject areas.

- If you have not already done so, you are encouraged to review the information concerning placement in the assistant principal's letter at the beginning of the catalog. The major difference between the levels of difficulty is the pace of instruction and the level of difficulty of assessment. For required courses the curriculum is fundamentally the same. While the process described below is used to place students in the ninth grade, the major criteria for placement changes in subsequent grades is based on class rank and student performance in the preceding courses.

- In February, information concerning seventh and eighth grade grades along with standardized test score data becomes part of the data records for each registered student.

- In early June, eighth grade students who are enrolled in recognized accelerated programs for math, science and world language in the public and private schools are invited to "test-out" of grade 9 level courses in these areas. Based on the results of this testing, qualified students are placed in next level courses, i.e. Spanish II instead of Spanish I.

- The registration program that is part of our administrative computer system is used to generate indexes for the various subjects. Theses indexes rank students based on their grades and standardized test scores. Different rankings are generated for different subject areas by placing primary emphasis on those subject area grades. For example, the index for English and Social Studies uses language arts, reading and social studies grades and standardized test scores but does not factor in the students' math grades and standardized test scores to determine this index.

- Separate indexes (rankings) are generated for English and Social Studies, Science, and Mathematics.

- Generally greater emphasis is given to standardized test scores than subject grades in developing these indexes. Most incoming students have taken the Terra Nova or PSSA test. The local percentiles from this test are used to develop the index. The local percentiles from these tests are considered the most valid basis for comparing the abilities and performance of students from a variety of elementary and middle school who will become our freshman class.

- The student's individual rosters will then be developed. Rosters will be emailed to parents/students in late August. At that time dates will be assigned when roster conflicts can be adjusted prior to the opening of school.

- Rosters **WILL NOT** be changed due to:
  -Dissatisfaction with a course or teacher
  -Displeasure with a schedule
  -Desire for early dismissal
  -Desire for a different lunch or study

Roster Change requests will incur a $30 fee

ROSTER CHANGE

At the end of the first cycle of classes (six days), the roster conflict and change process is concluded.

The rostering process allows ample time for students and parents to consider course selection decisions. The necessity to consider changing or dropping a course once the school year has begun should be for serious and compelling reasons. Course change and drop requests will be reviewed by the instructor and appropriate chairperson. The instructor and chairperson will make a recommendation to the assistant principal for academic affairs.

Rosters **WILL NOT** be changed due to: dissatisfaction with a course or teacher, displeasure with a schedule, desire for early dismissal, and/or desire for a different lunch or study hall.

Electives are courses opted for by the student to either fulfill requirements or to satisfy a seven-period class day. Students are required to carry all chosen courses, including electives, for the entire year. Serious consideration should be given to any and all elective courses chosen by the student. **No permission will be granted to drop a class, including electives, after the second week of school.**

The fee for a roster change request is $30.

All course selections are final and there will not be any roster changes after Friday, September 12, 2025

TRANSCRIPTS

Official transcripts must be sent by **MAIL** to any institution requesting such information.

It is the policy of Bishop Shanahan High School, in accordance with the Diocesan policy, not to send any transcripts if the student's tuition and fees are not up to date.

REQUIRED COURSES

Each student is required to carry a course load resulting in seven (7) credits in Grades 9 and 10. For Grades 11 and 12 each student is required to carry a course load resulting in at least six (6) credits. Archdiocesan policies require 26 credits for graduation.

The following courses are required in each year. The remaining number of electives may be selected from the elective courses offered in the various departments.

FRESHMAN YEAR	SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR
Theology 1	Theology 2	Theology 3	Theology 4
English 1	English 2	English 3/or American Studies	English 4
World History	American Gov. & Politics	United States History/or American Studies	Choice of 4th Math, Science or SS class
Algebra 1 or Algebra 2	Mathematics	Mathematics	4 or 5 Electives
Science	Science	Science	
Foreign Language/ Academic Strategies	Foreign Language/ Academic Strategies	1or 2 Electives	
Related Arts or Intro to Art (1 Semester) Info Technologies 1 (1 Semester)	Physical Education (1 Semester) Health (1 Semester)		

GRADUATION REQUIREMENTS

The State of Pennsylvania requires 4 credits in English, 2 credits in Western and non-Western Cultures, 1 credit in American Studies, 3 credits in Mathematics, 3 credits in Science and 5 credits in electives. A course in Physical Education, Health, Related Arts and Information Technologies 1 is also required. The Archdiocese of Philadelphia requires 4 credits in Religious Studies and a total of 26 credits in order to receive a diploma from an Archdiocesan High School.

METHOD OF OBTAINING HONORS BY GENERAL AVERAGE

Each grade for tracked courses is multiplied by the credits associated with that course and rounded to the nearest whole number. The results are accumulated. The credits for tracked courses are also accumulated.

The accumulated credits are divided into the accumulated grades; the result is rounded to the nearest whole number.

EXAMPLE:

COURSE	TRACK	CREDIT	GRADE	RESULTS	
THEOLOGY	2	1.00	90	90	
ENGLISH	2	1.00	85	85	
SOCIAL STUDIES	Honors	1.00	90	90	
MATHEMATICS	2	1.00	89	89	
SCIENCE	Honors	1.00	91	91	
LANGUAGE	2	1.00	85	85	GENERAL
HEALTH/PHYS.ED.	2	1.00	95	95	AVERAGE
		7.00		625	89

REQUIREMENTS FOR FIRST HONORS

General Quarterly Average of 93; no grade below 90.

REQUIREMENTS FOR SECOND HONORS

General Quarterly Average of 88; no grade below 85.

N.B.

A failure in any minor subject or an incomplete in any subject eliminates a student from either honor roll. A "W" or an "I" in any subject eliminates a student from the honor roll. It is considered a failure until it is rectified.

QUALITY POINTS TABLE

Grade	Advanced Placement	Honors	CP	Academic
100	54	48	44	40
99	53	47	43	39
98	52	46	42	38
97	51	45	41	37
96	50	44	40	36
95	49	43	39	35
94	48	42	38	34
93	47	41	37	33
92	46	40	36	32
91	45	39	35	31
90	44	38	34	30
89	43	37	33	29
88	42	36	32	28
87	41	35	31	27
86	40	34	30	26
85	39	33	29	25
84	38	32	28	24
83	37	31	27	23
82	36	30	26	22
81	35	29	25	21
80	34	28	24	20
79	33	27	23	19
78	32	26	22	18
77	31	25	21	17
76	30	24	20	16
75	29	23	19	15
74	28	22	18	14
73	27	21	17	13
72	26	20	16	12
71	25	19	15	11
70	24	18	14	10
69	23	17	13	9
68	22	16	12	8
67	21	15	11	7
66	20	14	10	6
65	19	13	9	5
64	18	12	8	4
63	17	11	7	3
62	16	10	6	2
61	15	9	5	1
60	14	8	4	0

Each course earns a number of quality points determined by the credit given the course, the track and the grade earned.

RANK IN CLASS WILL BE DETERMINED BY AVERAGE QUALITY POINTS

This is determined in the following manner. The quality points earned in a course are multiplied by the credits given for that course. These points are added to determine the total quality points. The total number is then divided by the number of credits using the adjustment table indicated below. This gives an advantage to those students who carry a heavier course load.

ADJUSTMENT TABLE

	Credits	Subtract
Between	0.00 and 5.00	0.00
	5.01 to 5.99	0.10
	6.00	0.15
	6.01 to 6.99	0.20
	7.00	0.25

Therefore, a student who earned 283 quality points in courses worth 7 credits would have the total divided by 6.75 and would receive a quality point average of 41.93.

Unweighted GPA Scale/ Adopted August 2025

Grade	Unweighted	AP	Honors	CP	Academic
100	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
99	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
98	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
97	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
96	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
95	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
94	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
93	**4.00**	**5.00**	**4.50**	**4.25**	**4.00**
92	**3.70**	**4.70**	**4.20**	**3.95**	**3.70**
91	**3.70**	**4.70**	**4.20**	**3.95**	**3.70**
90	**3.70**	**4.70**	**4.20**	**3.95**	**3.70**
89	**3.30**	**4.30**	**3.80**	**3.55**	**3.30**
88	**3.30**	**4.30**	**3.80**	**3.55**	**3.30**
87	**3.30**	**4.30**	**3.80**	**3.55**	**3.30**
86	**3.00**	**4.00**	**3.50**	**3.25**	**3.00**
85	**3.00**	**4.00**	**3.50**	**3.25**	**3.00**
84	**3.00**	**4.00**	**3.50**	**3.25**	**3.00**
83	**3.00**	**4.00**	**3.50**	**3.25**	**3.00**
82	**2.70**	**3.70**	**3.20**	**2.95**	**2.70**
81	**2.70**	**3.70**	**3.20**	**2.95**	**2.70**
80	**2.70**	**3.70**	**3.20**	**2.95**	**2.70**
79	**2.30**	**3.30**	**2.80**	**2.55**	**2.30**
78	**2.30**	**3.30**	**2.80**	**2.55**	**2.30**
77	**2.30**	**3.30**	**2.80**	**2.55**	**2.30**
76	**2.00**	**3.00**	**2.50**	**2.25**	**2.00**
75	**2.00**	**3.00**	**2.50**	**2.25**	**2.00**
74	**2.00**	**3.00**	**2.50**	**2.25**	**2.00**
73	**2.00**	**3.00**	**2.50**	**2.25**	**2.00**
72	**1.00**	**2.00**	**1.50**	**1.25**	**1.00**
71	**1.00**	**2.00**	**1.50**	**1.25**	**1.00**
70	**1.00**	**2.00**	**1.50**	**1.25**	**1.00**
69	**0.00**	0	0	0	0
68	**0.00**	0	0	0	0
67	**0.00**	0	0	0	0
66	**0.00**	0	0	0	0
65	**0.00**	0	0	0	0

EDUCATIONAL INTEGRITY

Integrity is that quality by which a person is true to his or her convictions in the face of opposition. It is a value that Bishop Shanahan High School endorses, a value we encourage our students to adopt. Consequently, any student who violates educational integrity and engages in any form of cheating, plagiarizing, or stealing of academic material is subject to both academic and disciplinary penalties.

1. Cheating is defined as the giving, receiving or copying of information by any means, including the use of electronic devices, for class work, homework, reports, projects, quizzes, tests, or assessments.

2. Plagiarism is defined as the submission of work that is determined by the teacher not to be original. If a student has consulted a source, whether published or not, and has incorporated any language, structure, ideas, or thought into his or her work without acknowledging that source, the student is guilty of misrepresenting the work as his or her own.

3. Stealing is defined as the taking, copying, or examining academic materials belonging to other students with or without their permission or to teachers without their permission.

Penalties will be determined by the teacher in consultation with the Department Chair, and may include:

1. A zero (0) in the class work or homework assignment, report, project, quiz, test, assessment, etc. thereby resulting in an automatic lowering of the quarter, semester, and final grades.

2A. If the zero (0) is for a major grade, the matter will be reviewed by the Department Chair in consultation with the Assistant Principal for Academic Affairs. This may result in a grade as low as 60 for the quarter.

2B. Demerits and/or detention if approved by the administration.

2C. Any other consequence deemed appropriate by the Administration. The student's parents will be notified by the teacher in writing (notation on Progress Report or Report Card), by phone call, or by email.

GRADING

Report cards are distributed quarterly. Tentative distribution dates appear on the school calendar. The highest report card grade that may be given is 100; the lowest passing grade is 70; the lowest failing grade is 60.

Excellent (A)	90-100	Passing (D)	70-72
Superior (B)	80-89	Failing (F)	Below 70
Average (C)	73-79		

The quarter grade reflects the progress that a student has made during that period. This grade reflects achievement on major tests and quizzes, completion of homework assignments, and classroom participation. These are major components in determining the quarter grade. Major projects and research papers, which are reasonably spaced over the quarter, are also used.

The semester grade is computed by adding the two quarters' grades. The final grade is the average of the two semester grades.

FAILURE WARNINGS

When a student is not performing at a satisfactory level or is in danger of failing for the semester or the entire school year, notification will be sent to the parents/guardians at least twenty school days before the close of the marking period. Approximate dates are noted on the school calendar. A notice of unsatisfactory work may be issued later in the marking period if the student's academic performance changes dramatically.

Teachers are not required to issue a failure warning for a potential quarter failure.

FAILURE AND SUMMER SCHOOL POLICY

Bishop Shanahan follows the Archdiocesan policy regarding summer school which states, "All students in archdiocesan high schools with final failures in major subjects, both required and electives, **must attend an approved Archdiocesan Summer School Program." The summer school fee must be paid prior to the beginning of the program.**

A senior who fails any subject, elective or required, must attend the archdiocesan summer school, may not participate in the graduation exercises, and does not receive a diploma until the successful completion of summer school.

Archdiocesan directives state that students with excessive absences (20), not excused by medical certification, do not successful complete the school year until they make up the time missed in an approved diocesan summer school. This applies even though there are no academic failures. In this situation, the student attends the classes in which the lowest passing grade was received.

STATEMENT OF POLICY ON DISMISSAL AND ACADEMIC PROBATION

The following is the diocesan policy on dismissal and probation.

1. Students who receive THREE scholastic failures at the end of the school year are liable to dismissal.

2. Any student with two failures at the end of the school year is put on probation. If this student has two failures at the end of the following year then he/she is liable to dismissal. If he/she has one failure at the end of the following year he/she remains on probation. If he/she should have two failures the next year while still on probation, he/she is liable to dismissal.

3. Ninth grade students with five (5) failures at the end of the first semester are liable to dismissal.

4. Tenth, Eleventh, and Twelfth grade students with four (4) failures at the end of the first semester are liable to dismissal.

5. Students on probation who have three (3) failures at the mid-term are liable to dismissal.

IT SHOULD BE NOTED THAT THE STUDIES OFFICE, ASIDE FROM THE REGULATIONS CITED ABOVE, HAS THE RIGHT TO PLACE ANY STUDENT ON ACADEMIC PROBATION IF SUCH ACTION IS DEEMED NECESSARY.

ANY SENIOR STUDENT WHO HAS ANY FAILURE IN JUNE CANNOT PARTICIPATE IN THE GRADUATION CEREMONY. A DIPLOMA WILL NOT BE AWARDED UNTIL THE FAILURE HAS BEEN RECTIFIED.