“In the very nature of every human being has been sown the seed of the ability to love. You and I ought to welcome this seed, cultivate it carefully, nourish it attentively and foster its growth by going to the school of God's commandments with help of His grace.”

- St. Basil the Great
Table of Contents

Mission .........................................................................................................................4
Belief Statements............................................................................................................4
Advanced Placement and Honors Courses ..............................................................6
Student Schedules ..........................................................................................................8
Graduation Requirements - Class of 2021 .................................................................9
Dual Enrollment Program ............................................................................................10
Diocesan Scholars Program .......................................................................................10
Counseling Services Department ..............................................................................11
Standardized Testing ....................................................................................................11
English Department ......................................................................................................12
World Languages ..........................................................................................................18
  Latin Program...............................................................................................................18
  French Program ...........................................................................................................19
  Spanish Program .........................................................................................................19
  Ukrainian Program ....................................................................................................21
Mathematics Department .............................................................................................23
Health and Physical Education ......................................................................................30
Technology Department ...............................................................................................31
Theology Department ....................................................................................................24
MISSION

Saint Basil Academy is a college preparatory school for young women, founded by the Sisters of the Order of Saint Basil the Great, and rooted in the Ukrainian Byzantine Tradition of the Catholic Church. We are dedicated to creating an environment nourished by the Gospel values of Jesus Christ in which young women can develop to the fullness of their Christian potential. Through academic excellence, we educate the whole person by integrating faith and life. We awaken our students to the inherent beauty of God’s creation, and empower them to become the spiritual and visionary leaders who will enlighten and transform our global society.

Admission standards provide enrollment opportunities for students of varied ethnic and religious backgrounds. Saint Basil Academy is proud to offer its young women a vision of themselves, their world and the conviction that they can and do make a difference.

BELIEF STATEMENTS

We, the Saint Basil Academy Community, commit ourselves to the education and development of the whole person spiritually, physically, intellectually, emotionally and socially while striving toward the following goals:

We believe in...

- Creating an atmosphere for spiritual growth rich in the Gospel values of Jesus Christ, thereby challenging students to form personal moral values based on Christian teaching.

- Fostering an appreciation for the richness and diversity of the Catholic Church through liturgical celebration and studies of the Byzantine Catholic Church.

- Offering a rigorous curriculum that emphasizes 21st Century skills, so that students embrace the challenges of an evolving global community.

- Challenging students to develop critical thinking skills and intellectual independence.

- Inspiring students to appreciate the visual and performing arts, thereby developing their innate talents and God-given need for expression and experience.

- Providing opportunities for students to contribute their God-given talents through service to their communities.

- Encouraging an appreciation of our Ukrainian heritage, while fostering an openness to all human and ethnic diversity.

- Proclaiming that the heart of our school is a family-like community which connects students, faculty, administration, staff, parents, alumnae, and guests.
• Developing leadership potential through curricular/co-curricular activities with the mutual support of the administration, faculty, staff, students, parents, and alumnae.

• Calling students to accept their responsibilities of protecting and caring for the environment.
Advanced Placement and Honors Courses

Although all courses offered at Saint Basil Academy are in preparation for study at a college/university, placement into Honors/AP courses is not appropriate for all of our students. Students who have demonstrated a superior academic ability during their study at the Academy will be admitted into Honors/AP classes. Eligibility for entry into Honors/AP classes in a discipline is designated in the prerequisite for the specific course. Any student enrolled in an Honors/AP course is required to have met the standards put forth by department chairs and subject teachers.

Ninth grades students are placed into honors courses based on their performance on their elementary school transcript, standardized test scores, entrance test scores, and placement tests.

What is the Advanced Placement Program?

The Advanced Placement (AP) program is a cooperative educational endeavor. Based on the fact that many young people can complete college-level courses in secondary school, it represents a desire of schools and colleges to foster such experiences. About 30% of American secondary schools currently participate, serving approximately 16% of their college bound students. As an intermediary agent of the participating institutions, the AP Program does the following:

- Provides conferences, consultants, and curricular materials to help interested schools establish college level courses;
- Furnishes and grades examinations based on the learning goals set forth in the course descriptions;
- Sends examination grades to the students, their schools and their designated colleges;
- Prepares related publications;
- Supports appropriate research.

Who Operates the Program?

The AP Program is administered by the College Board under the advice of national groups of educators, its Council on College-Level Services and its academic advisory communities in the disciplines concerned. The College Board itself, founded in 1900 with headquarters in New York, is a nonprofit membership organization of more than 2,500 colleges and universities, schools, school systems and education associations. Its activities are supported by student fees. In the operation of all its testing programs, the College Board contracts with the Educational Testing Service (ETS), an independent, nonprofit agency with headquarters in Princeton, NJ, for technical and operational services.
College Collaboration

Colleges and universities have varying policies in handling AP grades. Students should contact the schools they are considering for specific details. Students who elect to take AP courses must take the respective AP exam in May 2018 regardless of their grade in the course. The current cost of the exam is $93, but is subject to change. The fee for each exam is required no later than October 31, 2017.

TO BE ELIGIBLE TO TAKE AN AP COURSE, THE STUDENT MUST PRESENT ALL COURSE PRE-REQUISITES, RECEIVE THE APPROVAL OF THE DEPARTMENT CHAIR, AS WELL AS THE CURRENT SUBJECT TEACHER.

Each AP course requires at least one hour of homework daily. It is a college level course. Those planning to apply must understand the workload and must understand that they may not leave the course once the academic year is underway.
Student Schedules

*Students must take 6-7 credits per year, as started with the 2016-2017 registration.*

Parents and students are encouraged to give much thought into the course selection process. Student ability, interest and preparation for future classes are just some aspects to consider when choosing a course. It is strongly recommended that students do not change or drop electives or AP courses. A student who requests a change within the first five days of classes is subject to a $25.00 fee per course change. If a student withdraws from such courses after the allotted time, the notation “withdrew” and any quarter grades that are earned become part of the official transcript and will appear on the report card.

Every effort will be made to schedule students’ requested courses. However, if there is a scheduling conflict or insufficient enrollment in the course, a course may be cancelled and another course used as its replacement. Any conflicts and/or cancellations will be discussed with both student and parents BEFORE any courses are finalized.

If Saint Basil Academy determines it is in the best interest of the student to change her placement from an Honors/AP class to another class in any particular subject area or from one track to another, the change will be completed only after careful consideration with the student, parents, counselor, and Assistant Principal/Dean of Students.
Graduation Requirements - Class of 2021

The minimum requirement for graduation at Saint Basil Academy is 26 core course and elective credits. A credit is earned by completing assigned work satisfactorily. Christian service is a requirement at each grade level and is mandatory for graduation. For more information see Christian Service Handbook.

**English** – 4.0 credits - Required every year, 9-12.

**Theology** – 4.0 credits - Required every year, 9-12.

**Languages** – 3.0 credits - The study of one language for three consecutive years is required.

**Social Studies** – 4.0 credits Required every year, 9-12.

**Mathematics** – 4.0 credits - Required every year, 9-12.

**The Arts** – 1.5 credits - One and a half credits are required starting in Grade 9. Students may choose from all of the course offerings for which they are eligible in the Visual and Performing Arts Department.

**Science** – 4.0 credits - Required every year, 9-12. Freshmen start with Biology, following with Chemistry in Grade 10, and Physics in Grade 11. This leaves room in Grade 12 for science electives.

**Physical Education** – 1.0 credit - Non-Graded - Pass/Fail. Please see Course Descriptions for the variety of ways this requirement may be fulfilled.

**Health** – 0.5 credit - Students choose the year that they will take this one-semester course.

*Credits for each class are earned only after the successful completion of each course.*
**Dual Enrollment Program - Manor College**

Seniors and Juniors have the privilege of taking elective courses at Manor College at a discounted price per credit. Dual enrollment students do not pay Manor College fees, gain college student privileges at no cost, and have access to all campus facilities, including the library and computers. The student must have a 3.0 cumulative average and approval from the Director of Counseling and the Vice Principal. Final grades from Manor College courses will be incorporated into the GPA when the student submits the final grade to Saint Basil Academy.

**Area Colleges and Universities**

Any junior or senior is welcome to take courses at local colleges or universities. Interested students should notify the Vice Principal and the Director of Counseling before registering for these courses, as there may be additional discounts available depending on the individual college or university. Final grades from college courses will be incorporated into the GPA when the student submits the final grade to Saint Basil Academy.

**Diocesan Scholars Program**

A number of students from among the top ten (ranked at the beginning of the second semester junior year) from each of the Catholic high schools of the Archdiocese of Philadelphia will be designated “Diocesan Scholars” and will be permitted to take two courses each semester during senior year at a nearby Catholic college or university. During that time students will be guests of the college or university (will not pay tuition but will be graded participants in the selected courses, and the home high school will accept the course(s) and grade toward graduation). Following graduation from high school, the host college or university will provide a transcript of the course(s) students have taken.

**Purposes of the Diocesan Scholars Program**

- To recognize the quality of education imparted in our Catholic Secondary School System as exemplified by those students who have excelled in their academic development and performance;

- To provide students an opportunity to gain experience at the collegiate level and to experience the quality of education on Catholic college and university campuses while continuing their involvement and growth in the high school community;

- To provide a means to permit our Catholic college and university community to express its recognition, admiration and appreciation for the work being performed in the Catholic secondary schools.
Counseling Services Department

The Counseling Services Department follows each student’s progress from acceptance through graduation. Students’ academic progress is monitored through progress reports, report cards and standardized tests, as well as through discussion with the students, faculty, and parents. Counselors meet with each student to discuss school adjustment, course selections, career exploration, and college decision-making.

Freshmen learn the importance of time management, effective study habits, organizational techniques, and adjustment to high school. They are also introduced to Naviance, a college and career web-based program. Students are given access to their individual accounts to help them become more aware of their learning styles, personality traits and how those elements will guide them in further career exploration.

Sophomores continue to master effective study and time management skills as they progress through high school. They are encouraged to complete additional personality inventories on Naviance as it relates to future college and career exploration.

Juniors begin focusing on the college admissions process. They begin to identify and research various types of colleges and universities based on their personal criteria. Students also explore the world of financial aid by searching and applying for scholarships, familiarizing themselves with the FAFSA and educating themselves on responsible debt. Students are encouraged to create a personal resume on Naviance, meet individually with their counselor, and attend evening presentations on college admissions and financial aid.

Seniors focus on completing the college application process through the Naviance program. Students need to be aware of all college admission deadlines, request transcripts in a timely manner, secure letters of recommendation from teachers, apply for scholarships, and complete the FAFSA. All Naviance accounts need to be active and current as college information will be disseminated through the program and ALL transcript requests will be made through the program as well.

Standardized Testing

The Counseling Services Department employs standardized testing to evaluate students’ academic strengths and areas for growth. Freshmen and Juniors take a version of the PSAT in October, while Sophomores take the PreACT. In the spring, Sophomores will take the PSAT10. Juniors and Seniors have the opportunity to take the SAT Reasoning Test, SAT Subject Tests and the ACT. AP tests are administered to all students enrolled in an Advanced Placement (AP) course.
Please note: All SBA courses are college preparatory

English Department

Students seeking admittance to an Honors or AP English course will be evaluated using a variety of performance factors, including but not limited to: foundational writing skills, class participation and preparation, reading comprehension and the ability to meet deadlines. Teacher evaluation will complement other student data, including final grades from previous English courses, and PSAT results. See each Honors and AP course description for specific prerequisites. Teacher recommendation is required for all Honors and AP placements.

English I-9 - Introduction to Literature – EE10

Selected Freshmen (Required) 1.0 credit

English I-9 provides an introductory course to teach students how to study, understand and reflect upon significant themes in the context of world history. A study of classical and modern selections of global literature develops the critical thinking and analytical skills needed to explore meaningful texts. The literature includes short stories, novels, poetry, drama, and non-fiction. Themes common to the human experience such as epic heroes, war and its aftermath, society and justice, and the meaning of life and death are investigated through a multi-cultural lens. In-depth review and development of the fundamentals of reading comprehension, grammar, vocabulary and writing, as well as class study skills and learning strategies afford students effective ways in which to approach texts and to enhance academic skills. Also, a yearlong writing portfolio engages students in a creative and thoughtful application of their learning skills.

English I - Introduction to Literature – EE14

Freshmen (Required) 1.0 Credit

English I is an introductory course to teach students how to study, understand and reflect upon world-wide themes that authors present in short stories and novels and to place those themes in context of history — past, present, and future. A study of both classical and modern selections of literature, including non-fiction works, will be used to develop critical and analytical skills needed to explore meaningful texts. The anthology and novels will cover different literary genres including short stories, novels, poetry and drama. Themes common to the human experience such as epic heroes, war and its aftermath, society and justice, and the meaning of life and death are investigated through a multi-cultural lens. Emphasis in grammar, vocabulary, and various forms of writing are critical components of this course and students will maintain a writing portfolio.
**Honors English I – Hon. Introduction to Literature – EH14**

*Selected Freshmen (Required) 1.0 Credit*

Students in English I Honors excelled on the English placement test and high school entrance test by demonstrating strong reading comprehension and vocabulary, and a firm grasp of grammar and usage. Students in this class study more challenging and complex literature that reflects upon worldwide themes authors present in short stories and novels. Themes common to the human experience such as epic heroes, war and its aftermath, society and justice, and the meaning of life and death are investigated through a multi-cultural lens. These themes are further placed in context of history—past, present, and future. A study of both classical and modern selections of literature, including non-fiction works, will be used to develop critical and analytical skills needed to explore meaningful texts. The anthology and novels will cover different literary genres including short stories, novels, poetry and drama. A greater emphasis is placed on reading comprehension and writing skills and students are expected to maintain a more extensive writing portfolio.

**English II-10 - Introduction to American Literature – EE30**

*Selected Sophomores (Required) 1.0 Credit*

The English I-10 course introduces students to a range of American literature from colonial times to the 21st century and provides a thematic study of fiction and non-fiction literature as it relates to America’s development as a nation. Small class size promotes emphasis on developing reading comprehension strategies for tackling challenging texts and allows for individualized instruction. Concentrated attention to continued development of grammar and vocabulary skills in preparation for standardized testing is also a primary focus. The writing program focuses on the development of analytical, persuasive and expository/research essays incorporating support from primary sources.

**English II - Introduction to American Literature – EE34**

*Sophomores (Required) 1.0 Credit*

This course introduces students to a range of American literature from colonial times to the 21st century and provides a thematic study of fiction and non-fiction literature as it relates to America’s development as a nation. By utilizing both excerpts from a textbook and novel-based reading, students will read and evaluate major literary works and literary criticisms. Students are also exposed to SAT preparation, reading comprehension strategies, and an extensive vocabulary and grammar enrichment program. The writing program focuses on the development of analytical, persuasive and expository/research essays incorporating support from primary sources.
Honors English II – Honors Intro to American Literature – EH34

Sophomores (Required) 1.0 Credit

Honors American Literature is differentiated from American Literature in scope and sequence. This course offers students a greater range and depth of American literature, and exposes students to more independent, novel-based reading. The course examines a thematic study of fiction and non-fiction literature as it relates to America’s development as a nation. By utilizing both excerpts from a textbook and novel-based reading, students will read and evaluate both major literary works and literary criticisms. Students are also exposed to SAT preparation, reading comprehension strategies, and an extensive vocabulary enrichment program.

Prerequisite: A average in Honors English I, Teacher Recommendation and Teacher Performance Evaluation.

English III-11 Introduction to British Literature – EE56

Selected Juniors (Required) 1.0 Credit

This course offers a wide selection of literature, covering the works of great writers from the Anglo-Saxon period to the present. Skills in close reading, critical thinking, analytical writing, and oral participation are stressed, as students read both novels representative of selected themes and nonfiction works. Small class size promotes emphasis on developing reading comprehension strategies for tackling challenging texts and allows for individualized instruction. Concentrated attention to continued development of grammar and vocabulary skills in preparation for standardized testing is also a primary focus. Writing includes, but is not limited to analytical essays, college essays, the formal research paper, and expository literature-based short papers.

English III - Introduction to British Literature – EA56

Juniors (Required) 1.0 Credit

This course offers a wide selection of literature, covering the works of great writers from the Anglo-Saxon period to the present. Skills in close reading, critical thinking, analytical writing, and oral participation are stressed, as students read both novels representative of selected themes and nonfiction works. Further vocabulary and grammar development incorporated. Writing includes, but is not limited to analytical essays, college essays, the formal research paper, and expository literature-based short papers.

Honors English III - Honors Intro to British Literature – EH56

Juniors (Required) 1.0 Credit

This course offers an in-depth study of British Literature covering the great writers from the Anglo-Saxon period to the present, but the literature choices and nonfiction texts are of a more
challenging and intensive nature. Writing and speaking assignments are more extensive and numerous, while emphasizing complex thinking skills. Writing includes, but is not limited to analytical essays, college essays, the formal research paper, and expository literature-based short papers.

**Prerequisite:** A-average in Honors American Literature, Teacher Recommendation and Teacher Performance Evaluation.

**AP English III - Advanced Placement (AP) Language and Composition – EL54**

*Juniors (Elective - fulfills English Requirement) 1.0 Credit*

The primary objective of this college-level course is to introduce students to language in order to expand their stylistic repertoire, to engage in becoming skilled readers of nonfiction prose and to develop skilled writers who compose for a variety of purposes. AP Language and Composition is a writing intensive course that pushes students to move beyond such programmatic responses as the five-paragraph essay, and instead place emphasis on purpose and audience. Students advance as nonfiction readers and writers through interpretation, class discussion, inquiry and written discourse of texts. Students are required to take the AP Exam in the spring.

**Prerequisite:** A-average in Honors English II; Teacher Recommendation and Teacher Performance Evaluation. Students will be required to take a reading comprehension and analysis test.

**English IV - The Role of Women in Literature – EE76**

*Seniors (Required) 1.0 Credit*

Through the lenses of character, narrator, author and critic, the role of women in literature is varied and deep. This course introduces students to representative works from a variety of cultures, by and about women from historical, social, and literary perspectives, as it seeks to inform about gender identities. Students will track the development of gender roles and explore how society’s view of women, and women's view of themselves, are reflected through stories and writing. Students will be exposed to a variety of literary forms while strengthening all areas of English curriculum college readiness skills. Writing includes but is not limited to college essays, analytical essays, the formal research paper and expository short assignments. Continued development of vocabulary, grammar, speaking, and listening skills is enforced throughout the year through a combination of traditional and project-based assessments.

**Honors English IV - Honors Role of Women in Literature – EH74**

*Seniors (Required) 1.0 Credit*

Through the lenses of character, narrator, author and critic, the role of women in literature is
varied and deep. This course introduces students to representative works of a more challenging and intensive nature from a variety of cultures, by and about women from historical, social, and literary perspectives, as it seeks to inform about gender identities. Students will track the development of gender roles and explore how society’s view of women, and women's view of themselves, are reflected through stories and writing. Writing includes but is not limited to college essays, analytical essays, the formal research paper and expository short assignments. Continued development of vocabulary, grammar, speaking, and listening skills is enforced throughout the year through a combination of traditional and project-based assessments. Writing and speaking assignments are more extensive and numerous, while emphasizing complex thinking skills.

**AP English IV - Advanced Placement (AP) English Literature and Composition – EA74**

*Seniors (Elective – fulfills English requirement) 1.0 Credit*

The primary objective of this college-level course is to introduce students to a range of literature including novels, short stories, poetry, and dramatic fiction. AP Literature and Composition is a reading-intensive course that engages students in becoming skilled readers of prose, and developing close-text reading and analytical writing skills. As in a college course, the purpose of AP Literature & Composition is to enable students to read complex texts with understanding and to write prose with sufficient richness and complexity to communicate effectively with mature readers. Students are required to take the AP Exam in the spring.

**Prerequisite:** A- average in AP Language and Composition, Teacher Recommendation and Teacher Performance Evaluation. Students will be required to take a reading comprehension and analysis test.

**Broadcast Journalism – EB34**

*Sophomores, Juniors and Seniors (Freshmen – second semester with approval only) (Elective) 1.0 credit*

Broadcast Journalism is an exploration of all aspects of producing a regular video news program. Students will learn skills and develop habits that keep them aware of current events in the media. Also, students will be involved in every stage of pre-production (research, planning, and project management) production: (on-location video recording, reporting, and directing), and post-production (editing and publishing content). In addition to the production of a regular news program, the class will also participate in various other video projects, both as exercise and for public consumption.
**Gothic Literature and Fairy Tales – EG54**

*Sophomores, Juniors, Seniors (Elective) 0.5 credit*

This class offers students a chance to explore the unique world of villains, monsters and damsels in distress that is the heart of gothic literature and fairy tales. Students will learn of the origins of the gothic genre and be able to apply the gothic conventions to various horror stories from Great Britain and the United States. The fairy tales of the Brothers Grimm will take on new meaning as students examine the many elements that define that genre. These are not your Disney fairy tales! Moreover, no gothic class would be complete without dabbling in the works of Edgar Allen Poe and Stephen King. Assessments are geared toward projects and presentations, culminating in the creation of original gothic short stories.

*(Runs one semester only)*

**Shakespeare – ES54**

*Juniors, Seniors (Elective) .5 Credit*

This one semester elective is offered to students who are interested in delving deeper into the world of Shakespearian theater. Students read and understand Shakespeare’s language, examine and evaluate a range of comedies and tragedies, and engage in class discussions making thematic and textual connections to the 21st century. Assessments in the class will be based on classroom discussions, short response papers, completions of study guides, as well as projects.

*(Runs first semester only)*

**Creative Writing – EC32**

*Freshmen (qualified), Sophomores, Juniors, Seniors (elective) .5 credit*

As an extensive, one-semester composition course, Creative Writing builds on the skills of description, narration and exposition taught in the required English courses. Writing skills for specific fictional forms of the poem, play, essay and short story are explored. Non-fiction creative writing opportunities in the form of profile and review writing will also be offered. Journal writing, short and frequent writing assignments, and group interaction serve to emphasize the development of individual writer’s voices.

**SAT/ACT Preparation – MA52**

*Juniors (Elective) 0.5 Credit*

This course is designed to provide students with a superior understanding of a standardized test and how logical reasoning can be used in conjunction with content knowledge of verbal and mathematical content from standard course work to increase test performance and achievement. The course prepares students for the critical reading, math and writing skills sections of the SAT/ACT. Students will become familiar with the actual format of the SAT/ACT, as well as
valuable test-taking practices. Practice exercises focused on the commonly encountered problem types and practice problem sets will be used in classroom instruction. *(this course may be taken only once)*

**World Languages**

**Classical Roots - LC12**

*Freshmen, Sophomores, Juniors (Elective) 0.5 Credit (2nd semester)*

This course specifically targets the development and enrichment of the student’s vocabulary through in-depth analysis of Greek and Roman root words (etymology) and culture. Students are introduced to a vast array of Latin and Greek “cell” words, prefixes and suffixes, and are taught how to deduce the meaning of many advanced vocabulary words without having recourse to a dictionary. The course can be an enhancement for subjects across the curriculum, as most academic disciplines (humanities, medicine, law) and their lexicon are discussed in detail. Latin/Greek root study may also enhance the writing skills of students in standardized testing contexts.

**Latin Program**

**Latin I - LL14**

*1.0 Credit*

This course introduces students to the Latin language and Roman culture. The course includes a heavy focus on the fundamentals of Latin grammar, including cases and declensions, as well as the building of a basic Latin vocabulary. Emphasis is placed on Latin-based English language derivatives. Basics of Roman culture are discussed through the reading of Virgil’s *Aeneid*, Ovid’s *Metamorphoses*, as well as other select works. All aspects of Roman history from 753 B.C. to 476 A.D. are explored.

**Latin II - LL34**

*1.0 Credit*

This intermediate course continues to focus on new structures and controlled language patterns from Latin I. Students read and interpret classical literature, and continue to explore the early history of Rome begun in Latin I.
Latin III - LL54

1.0 Credit

This course develops students’ ability to read and translate Latin passages with greater fluency and comprehension. The selected readings include narrative poetry, comedy, history, and epigrams.

Latin IV - LL74

1.0 Credit

This course focuses on the literary contribution of many of the great authors of Roman antiquity. Writers such as Vergil, Catullus, Julius Caesar, Cicero, St. Jerome and St. Augustine are studied. Although the authors’ lives and literary masterpieces are the primary focus of the class, grammatical analysis and derivative study continue. Parsing and translation skills are further developed.

Prerequisite: Students must have a B average in Latin III and the recommendation of the teacher.

French Program

French I – LF14

1.0 Credit

This introductory course focuses on the fundamental language skills of listening, speaking (with proper pronunciation), reading, and writing of the French language. Students explore grammatical structures, as well as the study of vocabulary, proper punctuation and pronunciation. Students also become acquainted with the culture of French-speaking countries and their people.

French II – LF34

1.0 Credit

This intermediate course provides students with an active, flexible command of French through listening, speaking, reading and writing. Students learn about French culture and its people through cultural readings, and further explore grammatical structures in detail.

Spanish Program
Spanish I - LS14

1.0 Credit

This introductory course focuses on the fundamental language skills of listening, speaking (with proper pronunciation), reading, and writing of the Spanish language. Students explore grammatical structures as well as the study of vocabulary, proper punctuation and pronunciation, along with the culture of Spanish-speaking countries and its people.

Spanish II - LS34

1.0 Credit

This intermediate course provides students an active, flexible command of Spanish through listening, speaking, reading, and writing. Students learn about Hispanic culture and its people through cultural readings, and further explore grammatical structures in detail.

Honors Spanish II – LH34

1.0 Credit

This course continues the development of proficiency in the basic language skills of listening, speaking, reading, and writing. The foundation of vocabulary and grammar of the Spanish I course is built upon and the study of Hispanic culture is continued. The content is similar to that of the regular Spanish II course, but the pace is accelerated, the expectation of classroom participation is higher, the evaluation of all skills, including oral proficiency, is stricter. Supplementary materials are added.

Prerequisite: Students must have an A or A- average in Spanish I and the recommendation of the teacher.

Spanish III - LS54

1.0 Credit

This course offers a more in-depth study of the Spanish language, literature, and civilization. Students explore cultural readings and participate in oral class discussions in the native language. Through the use of projects, presentations and writing assignments, students develop their ability to communicate effectively and express themselves clearly in Spanish.

Honors Spanish III – LP54

1.0 Credit

This course, conducted predominantly in Spanish, advances students’ proficiency in the Spanish language in preparation for the fourth level of Spanish. All four language skills, with
special emphasis on reading comprehension and conversational proficiency, are studied. Students will be required to complete detailed writing assignments and explore literature selections.

**Prerequisite:** Students must have an A- average in Spanish II or B+ in Honors Spanish II and the recommendation of the teacher.

**Spanish IV - LP74**

*1.0 Credit*

This course, conducted predominantly in Spanish, enables self-motivated students to further master the spoken Spanish language, and focuses on composition and grammar. A conversational approach is used in discussing the selected literary masterpieces, including poetry, drama, essays, and narrative genres. Students will be responsible for readings, written assignments and presentations.

**Prerequisite:** Students must have a B+ average in Spanish III and the recommendation of the previous year’s teacher.

**Advanced Placement (AP) Spanish Language and Culture – LC74**

*1.0 Credit*

This course has been designed to provide advanced students with a rich and rigorous opportunity to study the language and culture of the Spanish-speaking world that is approximately equivalent to an upper-intermediate college or university Spanish course. The class therefore focuses on the mastery of listening, speaking, reading and writing skills. This course engages students in an exploration of culture in both contemporary and historical contexts. In order to best facilitate the study of language and culture, this course is conducted entirely in Spanish.

**Prerequisite:** Students must have an A- average in Honors Spanish III or Spanish III and the recommendation of the teacher. *Students taking an AP course are required to take the respective AP exam.*

**Ukrainian Program**

**Ukrainian will be taken as an independent study course.**

**Ukrainian I - LU14**

*1.0 Credit*

This course introduces students to the formal study of the Ukrainian language and its grammatical structure. The course’s main focus is on the presentation of the Cyrillic alphabet, parts of speech, phrases, and basic vocabulary. Rudimentary skills are developed in noun declension and verb conjugation. Students develop reading and writing skills through various
activities. Listening and speaking skills are honed through aural and oral exercises. Basics of the history, geography and culture of Ukraine are presented.

**Ukrainian II - LU34**

*1.0 Credit*

Each new level of this self-study course delves deeper into the above aspects of the Ukrainian language and related topics.

**Ukrainian III - LU54**

*1.0 Credit*

Please see above descriptions.

**Ukrainian IV - LU74**

*1.0 Credit*

Please see above descriptions.
Mathematics Department

Policies:

- Saint Basil Academy and the Mathematics Department requires all students beginning with the class of 2020 to take four years of mathematics courses.
- The Mathematics Department places students in the appropriate courses based upon entrance testing or previous performance in all pre-requisite math courses.
- All students are required to have a TI-84 or TI-83 graphing calculator.
- All courses designated as Honors are taught at an accelerated pace. These courses are challenging and students are expected to complete independent work.
- If a student is accepted into an Honors math course as a freshman, she is required to earn a final grade of B or higher in each course completed to remain in the honors level.

Recommendation:

- The Mathematics Department strongly recommends all students study mathematics for four years, with the fourth year culminating in a Pre-Calculus course or AP Calculus course.

Algebra I - ME10

Selected Freshmen 1.0 Credit

This Algebra 1 course is designed to reinforce concepts and math study skills that are essential for a student to be successful in their study of mathematics. Students integrate algebraic skills and concepts, critical thinking, and mathematical reasoning into their application of topics such as the properties in algebra; solving equations; factoring, solving, and performing operations on polynomials; introduction to functions by graphing and writing equations of lines in a coordinate plane; interpreting and solving word problems; and solving systems of equations in one or more variables. An introduction and on-going practice with data analysis, probability, and statistics is included in the scope of this course. A student will be placed in this course based on entrance test scores.

Algebra I - MM14

Selected Freshmen 1.0 Credit

Algebra forms the foundation for all high school mathematics courses. This course helps students to develop fluency with the language of mathematics by analyzing how to represent various relationships between two quantities. Students apply algebraic skills and concepts, critical thinking, and mathematical reasoning into their problem solving. Topics include the properties of algebra; solving equations; factoring, solving, and performing operations on polynomials; introduction to functions by graphing and writing equations of lines in a coordinate plane; interpreting and solving word problems; and solving systems of equations in one or more variables.
variables. The application of skills in solving real-world problems in the pure and applied sciences is stressed in each of the major units of study. The use of graphing calculators to facilitate problem solving and deepen understanding is an integral part of the course of study. An introduction and on-going practice with data analysis is included in the scope of this course. A student will be placed in this course based on entrance test scores.

Honors Algebra I - MH14

Selected Freshmen 1.0 Credit

Algebra forms the foundation for all high school mathematics courses. This course helps students to develop fluency with the language of mathematics by analyzing how to represent various relationships between two quantities. This course reviews the basic language and symbolism of algebra. Emphasis is placed on using logical thinking and precise language to develop an increasingly sophisticated set of problem solving skills. Students translate and solve equations and inequalities in one or more variables. They learn to write, solve, and graph linear equations. Students also explore polynomial expressions and techniques to solve polynomial equations including the quadratic formula. The solving of word problems showing real world application is stressed in each of the major units of study. The use of graphing calculators to facilitate problem solving and deepen understanding is an integral part of the course of study. An introduction and on-going practice with data analysis is included in the scope of this course. A student will be placed in this course based on entrance test scores.

Algebra II-10 – ME50

Sophomores 1.0 Credit

This course reviews the content and skills learned in Algebra I. Students will become familiar with the basic definition of a function, radical expressions and equations, and imaginary and complex numbers. The application of skills in solving real-world problems in the pure and applied sciences is stressed in each of the major units of study. The use of graphing calculators to facilitate problem solving and deepen understanding is an integral part of the course of study. Review work for the PSAT and SAT is included in this course.

Prerequisite: Successful completion of an Algebra 1-9 course.

Algebra II - MM54

Sophomores 1.0 Credit

This course reviews the content and skills learned in Algebra I. Students will become familiar with the basic definition of a function, radical expressions and equations, and imaginary and complex numbers. The application of skills in solving real-world problems in the pure and applied sciences is stressed in each of the major units of study. The use of graphing calculators to
facilitate problem solving and deepen understanding is an integral part of the course of study. Review work for the PSAT and SAT is included in this course.

**Prerequisite:** Successful completion of an Algebra I course.

**Honors Algebra II - MH54**

*Sophomores 1.0 Credit*

This course reviews the content and skills learned in Honors Algebra I. Students explore polynomial equations and functions, imaginary and complex numbers, radical expressions and equations, rational expressions and functions, the equations of conic sections from coordinate geometry, and an introduction to exponential and logarithmic functions. The application of skills in solving real-world problems in the pure and applied sciences is stressed in each of the major units of study. The use of graphing calculators to facilitate problem solving and deepen understanding is an integral part of the course of study. Review work for the PSAT and SAT is included in this course.

**Prerequisite:** Students must have completed Honors Algebra 1 with a final grade of B or higher or have an A- in Algebra 1 and obtain the approval of the math department.

**Geometry-11/Introduction to Trigonometry – MG30**

*Juniors 1.0 Credit*

An in-depth analysis of plane and solid geometry based on the fundamentals of Euclid are explored and examined through the descriptions, definitions, postulates, theorems, and corollaries. These concepts are used to prove lines are parallel or perpendicular; to prove the congruence and similarity of various polygons; to solve right triangles using both Pythagorean Theorem and right triangle trigonometry; to investigate and solve for parts of a circle; and to find the area of polygons and volumes of solids. The effects of various transformations on polygons are discussed in relation to congruent and similar polygons. Students will further develop critical thinking and reasoning skills by formulating two-column proofs as well as in various problem-solving exercises using deductive and inductive reasoning. Skills mastered in Algebra I and II will be integrated into the coursework to facilitate the strengthening and reinforcement of these skills. An introduction to the trigonometric ratios in terms of the sides of a right triangle, radian measure of an angle, and the basic trigonometric functions in the context of the unit circle is included in the course of study. Review work for the PSAT and SAT is included in this course.

**Prerequisite:** Students must have completed Algebra I-9 and Algebra II-10.
Geometry/Introduction to Trigonometry - MG34

Juniors 1.0 Credit

An in-depth analysis of plane and solid geometry based on the fundamentals of Euclid are explored and examined through the descriptions, definitions, postulates, theorems, and corollaries. These concepts are used to prove lines are parallel or perpendicular; to prove the congruence and similarity of various polygons; to solve right triangles using both Pythagorean Theorem and right triangle trigonometry; to investigate and solve for parts of a circle; and to find the area of polygons and volumes of solids. The effects of various transformations on polygons are discussed in relation to congruent and similar polygons. Students will further develop critical thinking and reasoning skills by formulating two-column proofs as well as in various problem-solving exercises using deductive and inductive reasoning. Skills mastered in Algebra I and II will be integrated into the coursework to facilitate the strengthening and reinforcement of these skills. An introduction to the trigonometric ratios in terms of the sides of a right triangle, radian measure of an angle, and the basic trigonometric functions in the context of the unit circle is included in the course of study. Review work for the PSAT and SAT is included in this course.

Prerequisite: Students must have completed Algebra I and Algebra II.

Honors Geometry/Introduction to Trigonometry - MH34

Juniors 1.0 Credit

Geometry is a critical component in the study of mathematics, as it requires students to utilize the concepts mastered in Algebra I into current coursework. An in-depth analysis of plane and solid geometry based on the fundamentals of Euclid are explored and examined through descriptions, definitions, postulates, theorems, and corollaries. These concepts are used to prove lines are parallel or perpendicular; to prove the congruence and similarity of various polygons; to solve right triangles using both Pythagorean Theorem and right triangle trigonometry; to investigate and solve for parts of a circle; and to find the area of polygons and volumes of solids. The effects of various transformations on polygons are discussed in relation to congruent and similar polygons. Students will need to think critically and logically when confronted with the various types of problems in this course. Skills mastered in Algebra I and II will be integrated into the coursework. Students will further develop critical thinking and reasoning skills by formulating original two-column proofs as well as in various problem-solving exercises using deductive and inductive reasoning. An introduction to the trigonometric ratios in terms of the sides of a right triangle, radian measure of an angle, and the basic trigonometric functions in the context of the unit circle is included in the course of study. Review work for the PSAT and SAT is included in this course.

Prerequisite: Students must have completed Honors Algebra I and Honors Algebra II with a minimum final grade of B or have completed Algebra I (MM14) and Algebra II with an A- and obtain approval from the math department.
Pre-Calculus-12/Trigonometry – MP50

Juniors, Seniors 1.0 Credit

This course is designed to prepare students for a Calculus course in college. The course consists of a review of algebraic functions, analytic geometry, and extends the students understanding of exponential and logarithmic functions. Students explore the general properties of functions, functional notation, symmetry, inverse functions, and the graphs of several classes of functions. Students extend their study of trigonometric ratios, functions, and equations. Students will learn to solve triangles and trigonometric equations through the use of trigonometric laws, formulas, and identities. Time permitting, the course will conclude with an introduction to the notion of a limit and the definition of continuity of a function to ease the transition to the study of calculus.

Prerequisite: Students must have completed Geometry-11/Introduction to Trigonometry.

Pre-Calculus/Trigonometry - MP54

Juniors, Seniors 1.0 Credit

This course is designed to prepare students for a Calculus course in college. The course consists of a review of algebraic functions, analytic geometry, and extends the students understanding of exponential and logarithmic functions. Students explore the general properties of functions, functional notation, symmetry, inverse functions, and the graphs of several classes of functions. Students extend their study of trigonometric ratios, functions, and equations. Students will learn to solve triangles and trigonometric equations through the use of trigonometric laws, formulas, and identities. Time permitting, the course will conclude with an introduction to the notion of a limit and the definition of continuity of a function to ease the transition to the study of calculus.

Prerequisite: Students must have completed Geometry/Introduction to Trigonometry.

Honors Pre-Calculus/Trigonometry - MC54

Juniors, Seniors 1.0 Credit

This course is designed to prepare students for AP Calculus AB in their senior year or a Calculus course in college. The course consists of a review of algebraic functions, analytic geometry, and extends the students understanding of exponential and logarithmic functions. Students explore the general properties of functions, functional notation, symmetry, inverse functions, and the graphs of several classes of functions. Students extend their study of trigonometric ratios, functions, and equations. Students will learn to solve triangles and trigonometric equations through the use of trigonometric laws, formulas, and identities. Time permitting, the course will conclude with an introduction to the notion of a limit and the definition of continuity of a function to ease the transition to the study of calculus.
Prerequisite: Students must have completed Honors Geometry/Introduction to Trigonometry with a minimum final grade of B or have an A- in Geometry/Introduction to Trigonometry and have the approval of the math department.

Advanced Placement Calculus (AB) - MA74

Seniors 1.0 Credit

This AP course strictly adheres to the curricular guidelines for the College Board approved Advanced Placement Calculus AB course and culminates in the AP Calculus exam. The major topics covered include limits and continuity, derivatives, techniques and application of differentiation, indefinite and definite integrals, and techniques and application of integration. Application to real-world problems is addressed at every opportunity to deepen student appreciation and understanding of the remarkable human achievement called Calculus.

Prerequisite: Students must have completed Honors Pre-Calculus/Trigonometry with a final grade of B or higher.

Statistics and Probability 1 – MS54

Juniors, Seniors (Elective) 0.5 Credit
(Offered only in the Fall semester)

This course is designed to be a student’s introduction to statistical analysis. The purpose of the course is to show students the basic methods used to collect, present, and describe quantitative and qualitative data. Students will learn the basic vocabulary and principles of descriptive statistics including measures of central tendency, dispersion, position, and distribution. This course also presents an introduction to theoretical probability and data organization. Students learn about events, conditions, random variables, and graphs and tables that allow them to manage data. Students will learn the rules of elementary probability, and study various probability distributions. Students will be expected to present their conclusions in various forms: graphs, written reports, presentations, etc. A graphing calculator is required for this course.

Pre-requisite: Students must have completed all previous mathematics coursework with a final grade of C or higher.

Statistics and Probability 2 – MS55

Juniors, Seniors (Elective) 0.5 Credit
(Offered only in the Spring semester)

This course is a continuation of Statistics and Probability 1. Students will continue to study statistical analysis and probability, both experimental and theoretical. This second course helps students perform data analysis and graphical analysis. This course shows students how to analyze real world data using correlation and regression coefficients in order to determine linear
relationships between bivariate data. This course will involve many hands-on activities in which students will gather data through simple experiments using both traditional laboratory equipment and computer-based equipment. Students will be expected to present their conclusions in various forms: graphs, written reports, presentations, etc. The activities in this course will investigate data analysis of functions, such as linear, quadratic, and periodic functions. A graphing calculator is required for this course.

**Pre-requisite:** Students must have completed Statistics and Probability 1 with a final grade of C or higher.

**SAT/ACT Preparation - MA52**

*Juniors (Elective) 0.5 Credit*

This course is designed to provide students with a superior understanding of a standardized test and how logical reasoning can be used in conjunction with content knowledge of verbal and mathematical content from standard coursework to increase test performance and achievement. The course prepares students for the critical reading, math and writing skills sections of the SAT/ACT. Students will become familiar with the actual format of the SAT/ACT as well as valuable test-taking tactics. Practice exercises focused on the commonly encountered problem types and practice problem sets will be used in classroom instruction. *This course may be taken only once.*
Health and Physical Education

In keeping with the Saint Basil Academy philosophy of “educating the whole person,” the Health and Physical Education Department promotes an awareness of appropriate forms of recreation for the development of the mind, body, and spirit through physical activities that correlate with strength, agility, endurance, skills, and posture. Socially acceptable habits of conduct, such as fair play, cooperation, sportsmanship, loyalty, leadership, and self-control, are formed through this all-inclusive curriculum.

Health – PH31

(Required) 0.50 Credit  Students may register for this semester course at any time during their four years.

Students are taught to assume responsibility for their own health and fitness. Topics include alcohol, drug, and tobacco use through the Abington Police Department DARE Program; stress management; healthy lifestyles; relationships; and the importance of good nutrition. Further, students explore critical issues and problems facing teenagers and young women today. The topics include preventive health, breast cancer awareness, nutrition fundamentals, sexually transmitted diseases, women’s health issues, and college socialization.

Physical Education – PE14, PE34, PE54, PE74

(Required) 1.0 Credit

All SBA students must complete a total of 1.0 credit of physical education during their four years. This may be done by any combination of:

.25 credit – SBA gym class once per cycle .

25 credit – each sport played per year, includes attending all practices and games

.25 credit – outside classes, such as dance, gymnastics, tennis, zumba, for 60 minutes a week for the school year

0.5 credit - outside classes, such as dance, gymnastics, tennis, zumba, for 120 minutes a week for the school year

.25 credit – attending a local gym once a week for 60 minutes or more each session for one year.

0.5 credit – attending a local gym 2 times a week for the school year, each session for 60 minutes or more.

Any partial physical education credits that have already been earned in previous years will count toward the 1.0 credit requirement. Signed verification of attendance in the outside activities will be a mandate for earned credit.
Technology Department

*In keeping with our philosophy of technology integration in each course, students will learn all needed computer skills within their core and elective classes.*

**Introduction to Computer Science - CS15**

*Sophomores, Juniors, Seniors (Elective) 1.0 Credit*

This is an introductory level course that will cover the foundations of computer science and programming utilizing the Python language. The building blocks of programming will be presented emphasizing computational thinking and developing the ability to solve complex problems. No prior knowledge or experience is required for this course.

**Graphic Design - BD54**

*Sophomores, Juniors, Seniors (Elective) 1.0 Credit*

The overall goal of the Graphic Design course is to develop the creative talents of students and introduce them to the skills and techniques needed to excel in graphic design. This course introduces students to general graphic design techniques used by commercial and visual artists. This course introduces students to the design process and the principles of design, layout, color theory, composition and typography, using the Adobe Creative Suite including Photoshop, Illustrator and InDesign. This is a project based course in which students will learn how to create a variety of documents, giving them a thorough grounding in the fundamental processes involved in producing professional documentation.
Theology Department

Theology I - RC14

*Freshmen (Required) 1.0 Credit*

**The Eastern Church and the Revelation of Jesus Christ in Scripture (First Semester)** This course introduces students to the richness of the Universal Catholic Church as a corporate body of Churches (Byzantine and Roman) with vibrant faith and its sacramental systems. Included also, are some of the Churches’ (Byzantine and Roman) liturgical practices, teachings from *Orientale Lumen* and the *Catechism of the Catholic Church*, the witness of Saint Basil the Great, many other saints and well-known Catholics. In addition to the Eastern Church, students will gain general knowledge and appreciation of Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. The students will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. The students learn to read the Bible and will become familiar with the major sections and the books included in each section of the Bible. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

**Who Is Jesus Christ and Theology of the Body (Second Semester)** This course introduces students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, students also will learn who He calls them to be. In the second semester, we will include the first three chapters from *Theology of the Body*. TOB is the result of 129 short talks given by Saint Pope John Paul II between September 1979 and November 1984. Throughout this course, which will be taught over the next four years, the students will discover the beauty and purpose of their sexuality.

Theology II - RJ34

*Sophomores (Required) 1.0 Credit*

**The Mission of Jesus Christ (The Paschal Mystery) (First Semester)** This course enables students to understand all that God has done for us through His Son, Jesus Christ. Here, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. The students will learn that they share in this redemption only in and through Jesus Christ. They also will be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

**Jesus Christ’s Mission Continues in the Church and Theology of the Body (Second Semester)**

This course helps the students to understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human
elements. In this course, students will learn not so much about events in the life of the Church, but about the sacred nature of the Church. In the second semester, we will continue chapters from Theology of the Body. TOB is the result of 129 short talks given by Saint Pope John Paul II between September 1979 and November 1984. This course was started in freshmen year and will continue to be taught over the next three years. Through this course, the students will discover the beauty and purpose of their sexuality.

**Theology III - RC54**

**Juniors (Required) 1.0 Credit**

**Sacraments as Privileged Encounters with Jesus Christ (First Semester)** This course helps students to understand that they can encounter Christ today in a full and real way in and through the Church and its sacraments, especially through the Eucharist. The students will examine each of the sacraments for its traditional definition, rites, graces and scriptural origins. This course offers the students an opportunity to further their relationship with Christ in a very real way through the sacraments.

**Life in Jesus (Second Semester)** This course helps students to understand that they can fully live out God’s plan for their lives. The course includes the moral teachings of Jesus, beatitudes, commandments, concepts of sin and forgiveness, love of God and neighbor, and the social justice teachings of the Church. The students are to learn the moral concepts and precepts that govern the lives of Christ’s disciples. In the second semester, we will continue chapters from Theology of the Body. TOB is the result of 129 short talks given by Saint Pope John Paul II between September 1979 and November 1984. This course was started in freshmen year and will continue to be taught over the next three years. Through this course, the students will discover the beauty and purpose of their sexuality.

**Theology IV – RSr4**

**Seniors (Required) 1.0 credit**

**Hebrew Scriptures (First Semester)** This course invites students to partake in the great love story of God and His people – a God who revealed Himself to a people through His Word in history, on this earth. This course takes all the books of the Hebrew Scriptures in its study, with the primary emphasis being placed on understanding the meaning of the Scriptures within the context of their history, culture, and literary form, and experiencing God’s revelation as it is contained there. Students thus come to discover and experience a God who is utterly concrete and relational.

**Love and Relationships (Second Semester)** With the background of relationship study given in the Hebrew Scriptures course, students recognize that the most basic of all human needs is that of loving relationships – with God, others, and all creation. The course will emphasize authentic love, self love, human love, and its connectedness to all of creation. Insights, skills, and techniques of communication will enable students to relate better to others in a Christian manner, thus contributing harmony in their lives and in this world, regardless of their choice of career or
vocation.

**Introduction to Philosophy – RP54**

*Sophomores, Juniors, Seniors (elective) 0.5 credit*

Philosophy! The word means “love of knowledge”, and in many ways it expresses the heart of what education is all about! Philosophy is the discipline which can most enable a young person to live “a life well examined”, a life with purpose. In this enriching class, students will experience a broad introduction to many of the world’s greatest thinkers, from the Ancient Greek “big 3”, (Socrates, Plato and Aristotle”) through contemporary existentialists, like Pope Saint John Paul the II. The only prerequisite is a mind which actively seeks to learn. We will question and explore human experience in relation to self, to other and to God. Your mind is the only boundary.
Science Department

Biology - SB34

Freshmen (Required) 1.0 credit

Students will continue to strengthen the science practices that began in prior grades and gain the necessary skills to be proficient in biology. Curriculum includes concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms and biological evolution. A project-based study of the human body systems culminates in a fetal pig dissection.

Honors Biology – SH34

Freshmen, per department recommendation (Required) 1.0 credit

Students will continue to strengthen the science practices that began in prior grades and gain the necessary skills to be proficient in biology. Curriculum includes concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. The course requirements are rigorous; therefore, the students are expected to demonstrate learning through synthesis, application, and evaluation of the fundamental principles of biology. Writings from scientific journals add relevance to learning outcomes. A project-based study of the human body systems culminates in a fetal pig dissection.

Chemistry – SC54

Sophomores, Juniors (Required) 1.0 Credit

Chemistry is the study of matter and their changes. Students will be introduced to topics of chemistry through inquiry, experiments, data collection, observation and critical thinking, guided by the steps of scientific method. Course topics include classification of matter, atomic models, the periodic table, dimensional analysis, chemical bonds, molecular structure, stoichiometry, the gas laws and acids & bases. Throughout the course, the influence of science, engineering and technology on society and the natural world will be emphasized.

Prerequisite: Students must have completed Algebra and Biology with passing grades.

Honors Chemistry – SH54

Sophomores, Juniors (Required) 1.0 Credit

Chemistry is the study of matter and their changes. Students will be introduced to topics of chemistry through inquiry, experiments, data collection, observation and critical thinking, guided by the steps of scientific method. In addition to memorizing ions, course topics include classification of matter, atomic models, the periodic table, dimensional analysis, chemical bonds,
molecular structure, stoichiometry, the gas laws and acids and bases. Throughout the course, the influence of science, engineering and technology on society and the natural world will be emphasized.

**Prerequisite:** Students must have completed Honors Algebra I with an A-, Accelerated Honors Algebra with a B+ AND Honors Biology with a B+, or Biology with an A-.

**General Physics – SP74**

*Juniors (Required), Seniors (Elective) 1.0 Credit*

This course is designed to provide students with a solid introduction to general physics. The course focuses on Newtonian Mechanics. The course is organized around six big ideas that bring together the fundamental science principles and theories of general physics. Emphasis is placed on concepts, while mathematical analysis is used to support the concepts. Mathematical problem solving skills are necessary and weekly problem sets are assigned. Laboratory experiments are conducted using an inquiry-based approach and computer-based labs are conducted when appropriate.

**Prerequisites:** Students must have successfully completed two required science courses prior to the Physics electives. A strong background in Algebra and Geometry is highly recommended.

**Honors Physics – SH74**

*Juniors (Required), Seniors (Elective) 1.0 credit*

This rigorous course is designed to provide students with a solid introduction to general physics at an accelerated pace. The course focuses on Newtonian Mechanics. The course is based on the Pennsylvania Academic Standards for Physics to help students better understand the fundamental science principles and theories of general physics. Emphasis is placed on concepts and mathematical analysis of concepts. Mathematical problem solving skills are necessary and weekly problem sets are assigned. Required math skills needed involve solving systems of equations, solving quadratic equations, and applying right triangle trigonometric ratios. A college physics textbook is used as the class textbook. Laboratory experiments are conducted using an inquiry-based approach and computer-based labs are conducted when appropriate.

**Prerequisites:** Seniors must have completed Chemistry with a B+ or Honors Chemistry with a B, Algebra II and Geometry with a B+ or Honors Algebra II and Honors Geometry with a B. 
Juniors must have completed Honors Biology with a B+, and Honors Algebra II with a B+. A strong background in Algebra and Geometry is necessary. Students are strongly encouraged to take Pre-Calculus concurrently with this course.
Advanced Placement (AP) Environmental Science - SE34

(Not offered this year 2017-2018)

Sophomores, Juniors, and Seniors (Elective) 1.0 Credit

This course is being offered only in school years that end in even numbers (ex.: Fall 2016). This course will alternate with AP Physics which will be offered in school years that end in odd numbers (ex.: Fall 2017).

The course will provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Topics include biodiversity, natural resources, energy flow, ecology, population, energy resources, conservation, global sustainability and policy-making. And we will follow the course framework recommended by the College Board to achieve the most student success on AP exam. Students registered for this year long class must take APES exam in May. Students registered for this course must also register for AP Lunch. This course may require lab work done after school or on weekends.

Prerequisite: Students must have completed 1.0 credit of any science with a passing grade, taking another science course concurrently, or have the science department approval.

Advanced Placement (AP) Biology – SA74

Juniors, Seniors (Elective) 1.0 Credit

This advanced placement course allows students to develop a conceptual framework for modern biology and an appreciation of science as a process. Focus is on developing an understanding of concepts rather than on memorizing terms and technical details. Students will experience scientific inquiry; appreciate the unifying themes that integrate the major topics of biology; and the application of biological knowledge and critical thinking to environmental and social concerns. Students will have a lengthy summer assignment and are required to take the AP Biology exam in May. This course may require lab work done after school or on weekends.

Prerequisite: Students must have completed Honors Biology with a B+ or Biology with an A- or have department approval.

Advanced Placement (AP) Chemistry – SA72

Juniors, Seniors (Elective) 1.0 Credit

Assuming that students are familiar with the introductory chemistry topics, this course will be student-centered, inquiry- and lab-based. We will follow the course planning recommended by the College Board to achieve the most success of student achievement on Advanced Placement Exam. Therefore students must be willing to work hard and keep up with the fast pace.
Receiving a score of 4 or 5 on AP exam will lead to one year of college chemistry credit. In addition to the curriculum topics mentioned in Honors Chemistry, this course will include reaction kinetics, equilibrium, titration, buffers, $K_{sp}$ calculations, laws of thermodynamics and electrochemistry.

**Prerequisite:** Teacher recommendation is required and Honors Chemistry is strongly recommended.

**Advanced Placement (AP) Physics 1 - SA76**

**Juniors, Seniors (Elective) 1.0 Credit**

This course is being offered only in school years that end in odd numbers (ex.: Fall 2017). This course will alternate with AP Environmental Science which will be offered in school years that end in even numbers (ex.: Fall 2016).

AP Physics 1 is an algebra-based course in general physics that mirrors an introductory level university physics course. This advanced placement course allows students to develop a conceptual framework for general physics and an appreciation of science as a process. General physics topics presented during the course closely follow those outlined by the College Board and AP Physics 1 is organized around six big ideas that bring together the fundamental science principles and theories of general physics. The students will participate in inquiry-based labs of these topics to gain a more conceptual understanding of these physics concepts. Students will be required to develop critical thinking and reasoning skills. Students must have strong algebraic and geometric skills. Students will have a challenging summer assignment and are required to take the AP Physics 1 exam in May.

**Prerequisites:** Seniors must have completed Chemistry with a B+ or Honors Chemistry with a B, Algebra II and Geometry with a B+ or Honors Algebra II and Honors Geometry with a B. Juniors must have completed Honors Biology with a B+, and Honors Algebra II with a B+. A strong background in Algebra and Geometry is necessary. Students are strongly encouraged to take Pre-Calculus concurrently with this course. Students are strongly encouraged to take Pre-Calculus concurrently with this course. If a student is not enrolled in Pre-Calculus the student must learn certain topics from trigonometry independently. A great deal of independent work is required for this course.

**Human Anatomy – SA52**

**Sophomores, Juniors, Seniors (Elective) 0.5 Credit**

This semester course provides a rigorous study of the anatomical structures of the body. Students will be required to exhibit the scientific approach to problem solving through case studies, demonstrations, computer activities, and class discussions. Physical and computer based models will be used to enhance instruction and students will be given the opportunity to dissect various individual organs throughout the semester long course.
Cell Biology and Cancer – SB52

Sophomores, Juniors, and Seniors (Elective) 0.5 Credit

This semester course provides students with the opportunity to focus on biological concepts related to the development of cancer cells, while promoting the positive correlation that exists between biomedical research and public health outcomes. Students will gain exposure to current research and advances in cancer care through the use of journal articles, clinical trials, and guest speakers. Topics will include multiple forms of cancer, gene mutations, hereditary risks, carcinogen exposure, gains in cancer research, preventive care, and medical interventions.
Social Studies Department

World History – HW14

*Freshmen (Required) 1.0 Credit*

This is a year-long survey course that explores the key events and global developments in world history from ancient times to the present day. Students will uncover patterns of behavior, explore historical movements and concepts, and identify historical trends and themes. Students will use skills of historical, political, economic, and geographic analysis to formulate a narrative of world history and to explore connections between present day and past events.

Honors World History – HH14

*Freshmen (Required) 1.0 Credit*

This is a year-long survey course that explores the key events and global developments in world history from ancient times to the present day. Students will uncover patterns of behavior, explore historical movements and concepts, and identify historical trends and themes. Students will use skills of historical, political, economic, and geographic analysis to formulate a narrative of world history and to explore connections between present day and past events. It is designed for students who are motivated to pursue an in-depth study of World History and are willing to spend extra time working independently. This course also requires additional reading and writing assignments. Students are placed into the course based on entrance exam scores.

United States Government/Economics – HU76

*Sophomores (Required) 1.0 Credit*

This course is a survey of United States Government and introduction to contemporary economics. The first semester will focus on the doctrines, principles and ideals of American government. The second semester will focus on contemporary economic theory with emphasis on the free enterprise system, economic policy, and America’s economic relationship in the global economy.

Advanced Placement (AP) United States Government - HA74

*Sophomores, Juniors, Seniors (Elective – fulfills the U.S. Government/Economics requirement) 1.0 Credit*

AP United States Government is designed to give students a critical perspective on American politics and our country’s system of government. Students are introduced to key political ideas, institutions, policies, interactions, roles and behaviors that comprise the political culture of the United States through the examination of politically significant concepts and
themes. Students develop the ability to critically analyze facts and data to evaluate various
theories and explain patterns of political processes and behaviors and make connections across
the curriculum. Students are required to take the AP examination upon completion of the course.

**Prerequisite:** Students must have an A- in the previous social studies course and approval of the Social Studies Department.

**United States History - HU54**

*Juniors (Required) 1.0 Credit*

This course is a basic survey of the history of the United States from the age of exploration to the twenty-first century. The political, social, economic, and cultural impact of the United States is developed and analyzed. The changing role of America in the world will be explored. Current events and connections with historical occurrences are explored during class discussions.

**Honors United States History - HH54**

*Juniors (Required) 1.0 Credit*

This course is a basic survey of the history of the United States from the age of exploration to the twenty-first century. The political, social, economic, and cultural impact of the United States is developed and analyzed. The changing role of America in the world will be explored. Class discussions will include the relationship between current events and the past to demonstrate the relevance of history. This course is designed for students who are motivated to pursue an in-depth study of American history and are willing to spend extra time working independently. This course also requires additional reading and writing assignments.

**Prerequisites:** Minimum grade of B+ in Honors U.S. Government/Economics or A- in U.S. Government/Economics and approval of the Social Studies Department.

**Advanced Placement (AP) U.S. History - HA54**

*Juniors (Required) 1.0 Credit*

AP United States History is a college-level survey course that will explore American history in depth from its Native American origins to the present. The course focuses on the development and practice of historical thinking skills, historical thematic approaches, and historical content knowledge. Emphasis is placed on the interpretation and analysis of primary and secondary sources. Students will learn to use historical evidence in the process of establishing and supporting their positions on historical issues, events, and phenomena. Students will practice historiography, critical thinking and reading skills, and essay writing. AP United States History requires a student’s willingness to devote considerable time to homework and independent study. Students are required to take the AP exam upon completion of the course.
**Advanced Placement (AP) World History - HW34**

*Juniors and Seniors (Elective) 1.0 Credit*

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. This year-long course explores the expansive history of the human world. The course is organized into five themes and these will serve as a frame of reference in the chronological study of our world’s history. The five themes are: interaction between humans and the environment; development and interaction of cultures; state-building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. AP World History requires a student’s willingness to devote considerable time to homework and independent study. Students taking an AP Course are required to take the AP exam in the spring.

**Prerequisite:** Students must have an A- in their previous Social Studies course and approval of the Social Studies Department.

*Students are required to take the AP examination for the course.*

**U.S. History Since 1945 – HM74**

*Seniors only (Elective) 0.5 Credit*

This one-semester course serves as an introduction to the history of the United States focused on the formation of modern American character traits. The course will examine the political, social, and cultural history of the United States after 1945. Students will analyze American identity and purpose within the context of Cold War politics and culture, foreign policy, social movements, and globalization. The course will explore the role of new technologies, consumer culture, countercultures, youth subcultures, and shifting demographics in the American experience of the late twentieth century. Primary sources, secondary readings, films, and music will provide lenses into recent American history.

**Psychology - HP52**

*Juniors and Seniors (Elective) 0.5 Credit*

This one-semester course introduces students to the study of behavior and mental processes, and provides a broad overview of the many different perspectives from which psychologists try to
understand human behavior. Psychology is based on science with roots in the fields of biology, philosophy, and physiology. Students examine the topics of behavior, development, learning, memory, psychological disorders, and how psychologists research and develop theories addressing human behavior.

**Sociology - HS52**

*Juniors and Seniors (Elective) 0.5 Credit*

This one-semester course introduces students to the study of society, focusing on the systematic understandings of social interaction, social organization, social institutions, and social change. The themes of self, social inequality, and the future of society will be explored. Students will gain an understanding of the interplay between the individual and society, how society is both stable and changing, how society and behavior are socially constructed, how societies differ, and the causes and consequences of social inequality. Understanding sociology assists students in identifying social patterns, focusing on change over time and in different locations, and to embrace the social basis of everyday life and the diversity of human life.

**History in Film - HF52**

*Junior and Seniors (Elective) 0.5 Credit*

History in Film is a semester long elective course offered to Juniors and Seniors. The course is designed to study World and United States History through film. Students will be evaluating films focused on the following time periods: World War II, the Civil Rights Movement, the Cold War, and the Modern Age. Students will be challenged with assessing the accuracy of the information presented, the motivations of the filmmakers and supporters, and the effects of the films on the general public. To accomplish this, students will examine primary sources associated with the film and analyze the historical context of the relevant period. Through this course, students will gain a better understanding the social, political, economic, and religious aspects influencing these time periods within the United States and the World. They will also be empowered to readily analyze the influences surrounding films, both past and present, through the processes they develop in this course.

*Certain films necessary to the content of the course are expected to contain adult language and situations. Permission forms will be utilized to ensure parental consent in support of the learning objectives.*

**Culture, Race, and Ethnicity in America – HR32**

*Freshmen (Qualified), Sophomores, Juniors, and Seniors (Elective) 0.5 Credit*

This one-semester history course explores the impact that diverse races, cultures and ethnicities have had on America from the time of European discovery to the present-day. Students will focus on the accomplishments and social movements of the Americans whose stories are often neglected or underreported in conventional U.S. history textbooks. We will also examine the effect that discrimination and inequality have had on ethnic and racial minorities on political,
social and economic levels, as well as efforts Americans have taken to resolve the inequities in American society. Assessments will be largely project-based.

The Role of Women in America – HEW32

*Freshmen (qualified), Sophomores, Juniors and Seniors (Elective) 0.5 credit*

This inter-disciplinary course delves into the struggles and successes that define what it means to be an American woman. In a team-taught approach, students travel through America’s past and present to explore the role of women through the decades, while enjoying and analyzing the literature that gives voice and expression to those roles. The class places the topic of women and politics in the larger context of American history, studying how more general social and cultural trends affected, and were affected by, women’s political activities. It also reveals how these trends generated some of the most influential literature about women and composed by women in America. Specific topics and themes will include the relationship of gender, race, and class; the impact of war on women; sectional and regional differences; the suffrage movement; and the emergence of feminism. Assessments will be largely project-based.
Visual and Performing Arts Department

Every student must take 1.5 credits from the Visual and Performing Arts Department during the course of her four years at SBA.

Art Program

Art Appreciation - FA32

Freshmen (for qualified freshmen second semester), Sophomores, Juniors, Seniors 0.5 credit

This course is an introduction to the understanding of the visual arts. The students are introduced to art theory, the study of elements and principles, experimentation with art media, and learning various techniques of expression. The students also learn art history, covering famous artists and different art periods from prehistoric times to contemporary modern art.

Art I – FA34

Freshmen (for qualified freshmen) Sophomores, Juniors, Seniors 1.0 Credit

Art I presents the studio courses of drawing, oil painting, block printing, and sculpture. Computer graphics and exploration of various other media also are included. Drawing focuses on elements and principles, composition, values, and tones. Charcoal and pastels are studied. Students become aware of styles and techniques of oil painting. Sculpture allows for the experimentation with three-dimensional objects. Various media such as clay, wood, and other materials also are used.

Art II – FA54

Sophomores, Juniors, Seniors 1.0 Credit

Art II is a continuation of Art I in the exploration of drawing, oil painting, sculpture, and block printing. The students work toward producing pieces in a more creative manner and at a more sophisticated level. The students research styles and techniques of their favorite artists.

Prerequisite: Successful completion of Art I and approval by the art teacher.

Art III – FA74

Juniors, Seniors 1.0 Credit

Art III enables students to work on an independent basis. Students’ final art pieces should reflect high quality work, utilization of art knowledge, materials, originality, and creativity. Students contemplating an art career prepare their portfolio in preparation for college admission.

Prerequisite: Successful completion of Art I and Art II and approval by the art teacher.
Art for the Non-Artist – FN14

Freshmen (for qualified freshmen second semester), Sophomores, Juniors, Seniors 0.5 credit

This class will give students plenty of opportunity to practice all that encompasses creating drawings and paintings, from initial inspiration to setting up the scene, through sketching, to finishing the creation. Topics will include landscapes, animals, still-life; students will work with various media.

Music Program

Elements of Music - FE12

Freshmen (for qualified freshmen second semester) Sophomores, Juniors, Seniors (Elective – non Music Academy students) 0.5 Credit

The elements of music, including harmony, rhythm, meter, tempo and dynamics, and the application of these elements to choral music, are studied. The performance of sight singing and rhythm supports the concepts presented.

Music in Our Lives - FO52

Freshmen (for qualified freshmen second semester) Sophomores, Juniors, Seniors (Elective) 0.5 Credit

This course examines the function of music in the everyday world. Students will examine their personal relationship with music, develop a larger listening repertoire, experiment in music creation, gain confidence in performing, and develop their ability to discuss music critically. This class will nurture a life-long relationship with music for students of all interests and abilities.

History of Popular Music – FH32

Freshmen (for qualified freshmen second semester) Sophomores, Juniors, Seniors (Elective) 0.5 Credit

Come and explore some of the most popular music throughout history. See how musical and historic events parallel to affect popular culture. Discover the origins of the Jazz Age, the Big Band Era, the American Musical, early Rock ‘n’ Roll, Motown, the music of the 1960's and continue into today's music scene to see how music has contributed to our society.
Intro to Music History – FH33

Sophomores, Junior, Seniors (Elective, Music Academy: Required) 0.5 Credit

This survey of Music History takes the student from the Renaissance Era of the arts through the Baroque, Classical, Romantic, and 20th/21st Centuries. Students will learn to understand the major developments of musical characteristics of each of these periods in reference to the societal events of those times.

Intro to Music Technology – FT34

Sophomores, Juniors, Seniors (Elective) 0.5 Credit

Through this music technology class, the student will investigate ways that technology enhances the musician’s world, with a strong focus on sequencing and notation programs that aid the composing, arranging, and transposing process.

Piano Class for Non-Pianists - FP31 – Class may be taken more than once

Freshmen, Sophomores, Juniors, Seniors (Suggested for Madrigals) 0.5 credit

This course is designed to give vocalists and instrumentalists the keyboard facility needed to be an effective musician. This course must be taken by all Madrigals unless a keyboard proficiency test is passed. The class includes reading of notation and rhythms, recognition of key signatures, scale playing, simple theoretical concepts, and elementary sight-reading and harmonization.

Elementary Piano Class - FP32 – Class may be taken more than once

Freshmen, Sophomores, Juniors, Seniors 0.25 Credit

In the group setting, students will learn basic technique, develop keyboard facility, learn and perfect notation reading, and develop the analytical skills needed to become an independent learner.

Guitar I - FG11

Freshmen, Sophomores, Juniors, Seniors 0.25 Credit

This course is designed for beginners with no previous experience in guitar. The course covers chord strumming, chord progressions, finger strums, note reading and theory. Both folk and classical guitar are included.
**Guitar Class - FG12** – *This class may be taken more than once*

*Freshmen, Sophomores, Juniors, Seniors 0.25 Credit*

This course is designed for beginning guitarists with little previous experience in guitar. The course covers chord strumming, chord progressions, finger strums, note reading and theory. Both folk and classical guitar are included.

**Handbell Choir – FH11** – *This class may be taken more than once*

*Freshmen, Sophomores, Juniors, Seniors (Elective) 0.25 Credit*

This course is open to students of all musical abilities. It will focus on proper ringing technique, music literacy, rhythmic skills, performance, and collaboration. Students will have several performance opportunities throughout the year. Each course will have a maximum of 15 ringers.

**Band - FB12** – *May be taken every year*

*Freshmen, Sophomores, Juniors, Seniors 0.5 Credit*

The Saint Basil Academy Band performs as a concert band, pep band, and jazz band. The band plays for the Christmas and Spring Concerts, pep rallies, sporting events, and for special events at school and in the community. Band membership includes all ability levels from beginner to advanced. Any student is welcome to start an instrument and join the band or to continue her instrument study from earlier years. Students must perform in the Christmas and Spring Concerts, and other periodic performances.

*Band meets two mornings per week before school; includes mandatory coaching sessions as scheduled by the band director.*

**String Ensemble - FS12** – *May be taken every year*

*0.5 Credit*

The string ensemble is open to all levels of string instrument proficiency, including beginners. In addition to the standard orchestral string instruments, the ensemble includes the harp and the keyboard. Students must perform in the Christmas and Spring Concerts, and other periodic performances.

*The String Ensemble meets two mornings per week before school; includes mandatory coaching sessions as scheduled by the string ensemble director.*
**Concert Choir - FC32** – *May be taken every year*

*0.5 Credit*

Concert Choir does not require an audition. It focuses on developing the vocal mechanism, as well as the application of the elements of music that are learned through more advanced three-part music. Choir members must perform in the Christmas and Spring Concerts, as well as other periodic performances.

**Madrigals - FM32** – *May be taken every year*

*0.5 Credit*

Madrigals are a small group of singers selected upon audition. An outgrowth of the Concert Choir, the Madrigals provide small ensemble experience for the advanced singer and individual attention to the vocal growth of each member. Music is sung a capella, as well as with accompaniment. The Madrigals are provided with many performance opportunities during the year.

**Music Theory I - FM52**

*0.5 Credit*  *This elective is required of all music scholarship students once during their four years at SBA.*

This course is designed for students with no previous class experience in music theory. It provides a sound foundation in basic music skills, such as music reading and analysis, notation, composition, listening, and keyboarding skills. Theory I includes notation and sequencing computer programs as well as other interactive computer analysis and ear training.

**SBA Music Academy**

*Any Music Academy course may be taken by qualified non-Music Academy students as an elective and/or Fine Arts requirement.*

*The requirements of first-year Music Academy students are: 2.0 – 2.5/3 credits in...*

- Band, String Ensemble, or Concert Choir/Madrigals - .5 cr.
- Master Class - .25 cr.
- Chamber Ensemble - .25 cr.
- Music Theory (independent study) – 1 cr.
- Piano Class for non-pianists if needed or Keyboard Theory - .5 cr.
Second year Music Academy Students:

Band, String Ensemble, or Concert Choir/Madrigals - .5 cr.

Master Class - .25 cr.

Chamber Ensemble - .25 cr.

Music Theory II (independent study) – 1 cr.

Music Technology (Elective) - .5 cr.

Keyboard Theory II (Elective) - .5 cr.

Third year Music Academy Students:

Band, String Ensemble, or Concert Choir/Madrigals - .5 cr.

Master Class - .25 cr.

Chamber Ensemble - .25 cr.

Music Theory III (independent study) – 1 cr.

Fourth-year Music Academy students

Band, String Ensemble, or Concert Choir/Madrigals - .5 cr.

Music History - .5 cr. (required)

Master Class - .25 cr.

Chamber Ensemble - .25 cr.

AP Music Theory (elective) - 1 cr.

Keyboard Theory I or II (Elective) – .5 cr.

Handbells or Guitar (Elective) - .25

History of Popular Music or Music in Our Lives (Elective) - .5

Band, String Ensemble, Concert Choir/Madrigals – please see above.
**Master Class - FS52**

*(Required annually) 0.25 Credit*

The Master Class will give the student who sings or plays an instrument opportunities to hone performance skills in front of a small audience of classmates. Students will learn how to critique their own and other performances, and how to coach each other for musical growth. The direction of the class will also take the students’ musical interests into consideration. Classes will include guest professors.

**Chamber Ensemble - FS62 – may be taken more than once, strongly suggested every year (Elective) 0.25 Credit**

The Chamber Ensemble will ideally consist of three to seven students. The ensemble members will learn how to balance the music of a small group, as well as how to communicate with each other musically during the course of a composition.

**Music Theory I - FM53**

*(Required) 1.0 Credit*

This year-long non-scheduled course is designed for students with no previous class experience in music theory. It provides a solid foundation in basic music skills, such as music reading and analysis, notation, composition, listening, and minimal keyboarding skills. Theory I includes interactive computer analysis and ear training. The student works independently with an assigned mentor.

**Music Theory II – FM63**

*(Required) 1.0 Credit*

This year-long non-scheduled course continues the path established by Music Theory I. It provides a solid foundation in basic music skills, such as music reading and analysis, notation, composition, and listening. Theory II includes a higher level of interactive computer analysis and ear training, as well as building solfège skills. The student will be introduced to a higher level of harmonic analysis, as well as harmonic notation. The student works independently with an assigned mentor.

**Piano Class for Non-Pianists - FP33 – this class may be taken more than once**

*(Required) 0.5 Credit*

This course is designed to give vocalists and instrumentalists the keyboard facility needed to be an effective musician. This course must be taken by all Music Academy students unless a keyboard proficiency test is passed, or one enters the Music Academy as a pianist. The class includes reading of notation and rhythms, recognition of key signatures, scale playing, simple
theoretical concepts, and elementary sight-reading and harmonization.

**Keyboard Theory I - FP34**

*(Elective) 0.5 Credit*

The Keyboard Theory class is offered to students who already have facility at the piano. It will focus on playing simple chord progressions, harmonizing melodies by reading chord symbols, playing melodies by ear, harmonizing melodies by determining best use of chords.

**Keyboard Theory II – FP35**

*(Elective) 0.5 Credit*

The second level of the Keyboard Theory class builds on the skills started in the first level, taking the students into a greater variety of keys, and giving them the knowledge base for greater independence of choice in accompaniment styles.
# Graduation Class of 2021

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English (4.0)</strong></td>
<td>English I-9: Intro to Literature</td>
<td>English II-10: Intro to American Literature</td>
<td>English III-11: Intro to British Literature</td>
<td>English IV: Women in Literature</td>
</tr>
<tr>
<td><strong>English I:</strong></td>
<td>Intro to Literature</td>
<td>Intro to American Literature</td>
<td>Intro to British Literature</td>
<td>Women in Literature</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Theology (4.0)</th>
<th>Theology I</th>
<th>Theology II</th>
<th>Theology III</th>
<th>Theology IV</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>World Language (3.0)</strong></td>
<td>French I</td>
<td>French II</td>
<td>French III</td>
<td>French IV</td>
</tr>
<tr>
<td>Latin I</td>
<td>Latin II</td>
<td>Latin III</td>
<td>Latin IV</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Course</td>
<td>Course</td>
<td>Course</td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------------</td>
<td>-------------------------------</td>
<td>-------------------------------</td>
<td></td>
</tr>
<tr>
<td>Spanish I</td>
<td>Spanish II</td>
<td>Spanish III</td>
<td>Spanish IV</td>
<td></td>
</tr>
<tr>
<td>Hon. Span. II</td>
<td>Hon. Span. III</td>
<td>AP Spanish Language and Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ukrainian I</td>
<td>Ukrainian II</td>
<td>Ukrainian III</td>
<td>Ukrainian IV</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Studies (4.0)</th>
<th>World History</th>
<th>US Gov’t/ Economics</th>
<th>US History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors World History</td>
<td>AP US Gov’t/ Economics</td>
<td>Honors US History</td>
<td>Electives (See Course Descriptions)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AP US History</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics (4.0)</th>
<th>Algebra I-9</th>
<th>Algebra II-10</th>
<th>Geometry-11</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Precalculus-12/Trig</td>
<td>Statistics &amp; Probability</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Precalculus/Trigonometry</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Honors Algebra I</td>
<td>Honors Algebra II</td>
<td>Honors Geometry</td>
</tr>
<tr>
<td></td>
<td>Honors Precalculus/Trig</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science (4.0)</td>
<td>Biology I</td>
<td>Chemistry I</td>
<td>Physics</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>Honors Biology I</td>
<td>Honors Chemistry I</td>
<td>Honors Physics</td>
<td>AP Chemistry</td>
</tr>
</tbody>
</table>

| Visual and Performing Arts (1.5) | See Course Descriptions (Limited) | See Course Descriptions | See Course Descriptions | See Course Descriptions |

| Health (.5) | See Course Descriptions (Limited) | See Course Descriptions | See Course Descriptions | See Course Descriptions |

| Physical Education (1.0) | See Course Descriptions | See Course Descriptions | See Course Descriptions | See Course Descriptions |
### Graduation Class of 2020

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (4.0)</td>
<td>English I-9: Intro to World Lit</td>
<td>English II-10: Intro to American Literature</td>
<td>English III-11: Intro to British Literature</td>
<td>English IV: Women in Literature</td>
</tr>
<tr>
<td></td>
<td>English I: Intro to World Lit</td>
<td>English II: Intro to American Literature</td>
<td>English III: Intro to British Literature</td>
<td>English IV: Women in Literature</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AP English: AP Language and Composition</td>
<td></td>
<td>AP English IV: AP English Literature and Composition</td>
</tr>
<tr>
<td>Theology (4.0)</td>
<td>Theology I</td>
<td>Theology II</td>
<td>Theology III</td>
<td>Theology IV</td>
</tr>
<tr>
<td>World Language (3.0)</td>
<td>French I</td>
<td>French II</td>
<td>French III</td>
<td>French IV</td>
</tr>
<tr>
<td>---------------------</td>
<td>----------</td>
<td>-----------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Latin I</td>
<td>Latin II</td>
<td>Latin III</td>
<td>Latin IV</td>
<td></td>
</tr>
<tr>
<td>Spanish I</td>
<td>Hon. Span. II</td>
<td>Hon. Span. III</td>
<td>Spanish IV</td>
<td></td>
</tr>
<tr>
<td>Spanish II</td>
<td>Spanish III</td>
<td></td>
<td>AP Spanish Language and Culture</td>
<td></td>
</tr>
<tr>
<td>Ukrainian I</td>
<td>Ukrainian II</td>
<td>Ukrainian III</td>
<td>Ukrainian IV</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Studies (4.0)</th>
<th>World History</th>
<th>US Gov’t/Economics</th>
<th>US History</th>
<th>Electives (See Course Descriptions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors World History</td>
<td></td>
<td>AP US Gov’t/Economics</td>
<td>Honors US History</td>
<td>AP US History</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics (4.0)</th>
<th>Algebra I</th>
<th>Algebra II-10</th>
<th>Geometry-11</th>
<th>Precalculus-12/Trig</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Algebra II</td>
<td>Geometry</td>
<td>Precalculus/Trig</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Precalculus/Trig</td>
<td>Statistics &amp; Probability</td>
</tr>
<tr>
<td>Honors Algebra I</td>
<td>Honors Algebra II</td>
<td>Honors Geometry</td>
<td>Honors Precalculus/Trig</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Honors Algebra II</td>
<td>Honors Geometry/Intro to Trig</td>
<td>Honors Precalculus/Trigonometry</td>
<td>AP Calculus (AB)</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------</td>
<td>-------------------------------</td>
<td>----------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td><strong>Science (4.0)</strong></td>
<td>Biology I</td>
<td>Chemistry I</td>
<td>Physics</td>
<td>AP Biology</td>
</tr>
<tr>
<td></td>
<td>Honors Biology I</td>
<td>Honors Chemistry I</td>
<td>Honors Physics</td>
<td>AP Chemistry</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AP Environ. Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AP Physics</td>
</tr>
<tr>
<td><strong>Visual and Performing Arts (1.5)</strong></td>
<td>See Course Descriptions (Limited)</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
</tr>
<tr>
<td><strong>Health (.5)</strong></td>
<td>See Course Descriptions (Limited)</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
</tr>
<tr>
<td><strong>Physical Education (1.0)</strong></td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
</tr>
<tr>
<td>Electives</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------------------</td>
<td>-------------------------</td>
<td>-------------------------</td>
<td>-------------------------</td>
</tr>
</tbody>
</table>

**Graduation Class of 2019**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English (4.0)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English I-9:</td>
<td>English I-9: Intro to World Lit</td>
<td>English II-10: Intro to American Literature</td>
<td><strong>English III-11: Intro to British Literature</strong></td>
<td>English IV: Women in Literature</td>
</tr>
<tr>
<td>Honors English: Intro to World Lit</td>
<td>Honors English II: Honors Intro to American Lit.</td>
<td><strong>Hon. Eng. III: Hon. Intro to British Lit.</strong></td>
<td>Hon. Eng. IV: Hon. Women in Literature</td>
<td></td>
</tr>
<tr>
<td><strong>Theology (4.0)</strong></td>
<td>Theology I</td>
<td>Theology II</td>
<td><strong>Theology III</strong></td>
<td>Theology IV</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>AP English:</strong> AP Language and Composition</td>
<td>AP English IV: AP Literature and Composition</td>
</tr>
<tr>
<td>World Language (3.0)</td>
<td>French I</td>
<td>French II</td>
<td>French III</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>----------</td>
<td>-----------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>Latin I</td>
<td>Latin II</td>
<td>Latin III</td>
<td>Latin IV</td>
<td></td>
</tr>
<tr>
<td>Spanish I</td>
<td>Hon. Span. II</td>
<td>Hon. Span. III</td>
<td>Spanish IV</td>
<td></td>
</tr>
<tr>
<td>Spanish II</td>
<td>Spanish III</td>
<td>AP Spanish Language and Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ukrainian I</td>
<td>Ukrainian II</td>
<td>Ukrainian III</td>
<td>Ukrainian IV</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Studies (3.0)</th>
<th>World History</th>
<th>US Gov’t/ Economics</th>
<th>US History</th>
<th>Electives (See Course Descriptions)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mathematics (3.0)</th>
<th>Algebra I</th>
<th>Algebra II</th>
<th>Geometry-11</th>
<th>Precalculus-12/Trig</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Statistics &amp; Probability</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Geometry</td>
<td>Precalculus/Trig</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Statistics &amp; Probability</td>
</tr>
<tr>
<td>Science (3.0)</td>
<td>Environmental Science</td>
<td>Biology I</td>
<td>Chemistry</td>
<td>Physics</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>---------</td>
</tr>
<tr>
<td>Honors Biology I</td>
<td>Honors Chemistry I</td>
<td>Honors Physics</td>
<td>Honors Physics</td>
<td>AP Biology</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AP Physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AP Environ. Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AP Chemistry</td>
</tr>
<tr>
<td>Visual and Performing Arts (1.5)</td>
<td>See Course Descriptions (Limited)</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
</tr>
<tr>
<td>Health (.5)</td>
<td>See Course Descriptions (Limited)</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
</tr>
</tbody>
</table>
### Graduation Class of 2018

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td><strong>English I-9: Intro to World Lit</strong></td>
<td><strong>English II-10: Intro to American Literature</strong></td>
<td><strong>English III-10: Intro to Rhetoric and Analysis</strong></td>
<td><strong>English IV: Women in Literature</strong></td>
</tr>
<tr>
<td><strong>(4.25)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>English I: Intro to World Lit</strong></td>
<td><strong>English II: Intro to American Literature</strong></td>
<td><strong>English III: Intro to Rhetoric and Analysis</strong></td>
<td><strong>English IV: Women in Lit.</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Hon. Eng. IV: Hon. Women in Literature</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Honors English: Intro to World Lit</strong></td>
<td><strong>Honors English II: Hon. Intro to American Lit.</strong></td>
<td><strong>AP English: AP Language and Composition</strong></td>
<td><strong>AP English IV: AP Literature and Composition</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Effective Writing (all)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Electives**  
See Course Descriptions

**Physical Education (1.0)**  
See Course Descriptions

---

**Graduation Class of 2018**

**Subject**  
See Course Descriptions

**Electives**  
See Course Descriptions
<table>
<thead>
<tr>
<th><strong>Theology (4.0)</strong></th>
<th>Theology I</th>
<th>Theology II</th>
<th>Theology III</th>
<th>Theology IV</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>World Language (3.0)</strong></td>
<td>Latin I</td>
<td>Latin II</td>
<td>Latin III</td>
<td>Latin IV</td>
</tr>
<tr>
<td></td>
<td>Spanish I</td>
<td>Hon. Span. II</td>
<td>Hon. Span. III</td>
<td>Spanish IV</td>
</tr>
<tr>
<td></td>
<td>Spanish II</td>
<td>Spanish III</td>
<td>AP Spanish Language and Culture</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ukrainian I</td>
<td>Ukrainian II</td>
<td>Ukrainian III</td>
<td>Ukrainian IV</td>
</tr>
<tr>
<td><strong>Social Studies (3.0)</strong></td>
<td>World Cultures</td>
<td>US Gov’t/ Economics</td>
<td>US History</td>
<td>Electives (See Course Descriptions)</td>
</tr>
<tr>
<td></td>
<td>Honors World Cultures</td>
<td>Honors US Government/ Economics</td>
<td>AP US History</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>AP US Gov’t/ Economics</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics (3.0)</strong></td>
<td>Algebra I</td>
<td>Algebra II</td>
<td>Geometry</td>
<td>Precalc-12/ Trigonometry</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Precalculus/ Trigonometry</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Statistics &amp; Probability</td>
</tr>
<tr>
<td>Science (3.0)</td>
<td>Integrated Physical Science</td>
<td>Biology I</td>
<td>Chemistry</td>
<td>AP Biology</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>------------</td>
</tr>
<tr>
<td>Honors Biology I</td>
<td>Honors Chemistry I</td>
<td>Honors Physics</td>
<td>AP Environ. Science</td>
<td>AP Physics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual and Performing Arts (1.5)</th>
<th>See Course Descriptions</th>
<th>See Course Descriptions</th>
<th>See Course Descriptions</th>
<th>See Course Descriptions</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Health (.5)</th>
<th>See Course Descriptions</th>
<th>See Course Descriptions</th>
<th>See Course Descriptions</th>
<th>See Course Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education (1.0)</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
<td>See Course Descriptions</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------------------------</td>
<td>-------------------------</td>
<td>-------------------------</td>
<td>-------------------------</td>
</tr>
</tbody>
</table>

| Electives | See Course Descriptions | See Course Descriptions | See Course Descriptions | See Course Descriptions |